

Batch Wafer Quality Report

Report Date: 2025-12-27 12:27:14

Per-Wafer Decisions

Wafer 1 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0001

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:04:46.220967

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 2 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0001

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:04:46.221975

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 3 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0001

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:04:46.223318

Defect Class: Random

Confidence Score: 0.9997

Defect Percentage: 76.97%

Reason: Defect Percentage: 76.97% (>40% threshold), Defect Class: Random, Confidence: 99.97%

Wafer 4 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0001

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:04:46.223318

Defect Class: Edge-Ring

Confidence Score: 0.9954

Defect Percentage: 58.04%

Reason: Defect Percentage: 58.04% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.54%

Wafer 5 Inspection Decision

Wafer ID: Thermal_THERM_02_W0001

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:04:46.223823

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 34.12%

Reason: Defect Percentage: 34.12% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 6 Inspection Decision

Wafer ID: Thermal_THERM_01_W0001

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:04:46.223823

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 36.26%

Reason: Defect Percentage: 36.26% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 7 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0002

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:04:51.707457

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.97%

Reason: Defect Percentage: 34.97% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 8 Inspection Decision

Wafer ID: Thermal_THERM_01_W0002

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:04:51.786085

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 9 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0002

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:04:52.264065

Defect Class: Center

Confidence Score: 0.9999

Defect Percentage: 59.07%

Reason: Defect Percentage: 59.07% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 10 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0002

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:04:52.603979

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 11 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0002

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:04:52.690484

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 12 Inspection Decision

Wafer ID: Thermal_THERM_02_W0002

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:04:55.370718

Defect Class: Edge-Loc

Confidence Score: 0.9531

Defect Percentage: 45.25%

Reason: Defect Percentage: 45.25% (>40% threshold), Defect Class: Edge-Loc, Confidence: 95.31%

Wafer 13 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0003

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:04:57.634761

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 14 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0003

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:04:58.043874

Defect Class: Normal

Confidence Score: 1.0000

Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 15 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0003

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:04:58.826203

Defect Class: Normal

Confidence Score: 0.9995

Defect Percentage: 39.51%

Reason: Defect Percentage: 39.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 16 Inspection Decision

Wafer ID: Thermal_THERM_01_W0003

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:04:59.142516

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 17 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0003

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:04:59.606736

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 18 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0004

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:05:03.060846

Defect Class: Donut

Confidence Score: 1.0000

Defect Percentage: 55.45%

Reason: Defect Percentage: 55.45% (>40% threshold), Defect Class: Donut, Confidence: 100.00%

Wafer 19 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0004

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:05:03.455798

Defect Class: Center

Confidence Score: 1.0000

Defect Percentage: 53.65%

Reason: Defect Percentage: 53.65% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 20 Inspection Decision

Wafer ID: Thermal_THERM_01_W0004

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:05:04.929362

Defect Class: Edge-Loc

Confidence Score: 0.9990

Defect Percentage: 45.65%

Reason: Defect Percentage: 45.65% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.90%

Wafer 21 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0004

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:05:05.520309

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.03%

Reason: Defect Percentage: 34.03% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 22 Inspection Decision

Wafer ID: Thermal_THERM_02_W0003

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:05:07.149710

Defect Class: Near-Full

Confidence Score: 0.9999

Defect Percentage: 91.72%

Reason: Defect Percentage: 91.72% (>40% threshold), Defect Class: Near-Full, Confidence: 99.99%

Wafer 23 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0004
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:05:07.445990

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 29.05%

Reason: Defect Percentage: 29.05% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 24 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0005
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:05:08.524111

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 25 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0005
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:05:09.327225

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 53.72%

Reason: Defect Percentage: 53.72% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 26 Inspection Decision

Wafer ID: Thermal_THERM_01_W0005
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:05:10.881489

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 37.71%

Reason: Defect Percentage: 37.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 27 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0005

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:05:12.360378

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 37.60%

Reason: Defect Percentage: 37.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 28 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0006

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:05:14.161093

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 49.60%

Reason: Defect Percentage: 49.6% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 29 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0006

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:05:14.563979

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 30 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0005

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:05:15.316036

Defect Class: Normal

Confidence Score: 0.9997
Defect Percentage: 35.66%

Reason: Defect Percentage: 35.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 31 Inspection Decision

Wafer ID: Thermal_THERM_01_W0006
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:05:17.279825

Defect Class: Edge-Loc
Confidence Score: 0.9999
Defect Percentage: 48.70%

Reason: Defect Percentage: 48.7% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.99%

Wafer 32 Inspection Decision

Wafer ID: Thermal_THERM_02_W0004
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:05:17.282335

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 38.54%

Reason: Defect Percentage: 38.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 33 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0006
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:05:18.053274

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 45.35%

Reason: Defect Percentage: 45.35% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 34 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0007
Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02
Timestamp: 2025-12-27T12:05:19.803333

Defect Class: Random
Confidence Score: 0.9999
Defect Percentage: 73.27%

Reason: Defect Percentage: 73.27% (>40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 35 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0006
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:05:20.402885

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 48.94%

Reason: Defect Percentage: 48.94% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 36 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0007
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:05:20.435388

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 31.81%

Reason: Defect Percentage: 31.81% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 37 Inspection Decision

Wafer ID: Thermal_THERM_01_W0007
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:05:23.681753

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 38 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0007

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:05:23.952339

Defect Class: Donut

Confidence Score: 0.9997

Defect Percentage: 57.79%

Reason: Defect Percentage: 57.79% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 39 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0008

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:05:25.065850

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 35.60%

Reason: Defect Percentage: 35.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 40 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0008

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:05:25.674798

Defect Class: Random

Confidence Score: 0.9808

Defect Percentage: 62.73%

Reason: Defect Percentage: 62.73% (>40% threshold), Defect Class: Random, Confidence: 98.08%

Wafer 41 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0007

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:05:27.352415

Defect Class: Edge-Ring

Confidence Score: 0.9940

Defect Percentage: 54.68%

Reason: Defect Percentage: 54.68% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.40%

Wafer 42 Inspection Decision

Wafer ID: Thermal_THERM_02_W0005

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:05:28.720322

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 43 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0008

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:05:30.062679

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 36.26%

Reason: Defect Percentage: 36.26% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 44 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0009

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:05:30.618248

Defect Class: Random

Confidence Score: 0.9999

Defect Percentage: 0.36%

Reason: Defect Percentage: 0.36% (<=40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 45 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0009

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:05:30.853988

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 46 Inspection Decision

Wafer ID: Thermal_THERM_01_W0008

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:05:33.978257

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.45%

Reason: Defect Percentage: 37.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 47 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0008

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:05:34.252295

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 48 Inspection Decision

Wafer ID: Thermal_THERM_02_W0006

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:05:36.119961

Defect Class: Edge-Loc

Confidence Score: 0.9933

Defect Percentage: 51.32%

Reason: Defect Percentage: 51.32% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.33%

Wafer 49 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0009

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:05:36.230835

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 50 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0010
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:05:36.529291

Defect Class: Random
Confidence Score: 0.9999
Defect Percentage: 73.10%

Reason: Defect Percentage: 73.1% (>40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 51 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0010
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:05:36.546121

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.22%

Reason: Defect Percentage: 33.22% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 52 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0009
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:05:41.435925

Defect Class: Normal
Confidence Score: 0.9991
Defect Percentage: 38.98%

Reason: Defect Percentage: 38.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.91%

Wafer 53 Inspection Decision

Wafer ID: Thermal_THERM_01_W0009
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:05:41.758738

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 54 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0011

Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:05:41.793896

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.52%

Reason: Defect Percentage: 33.52% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 55 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0011

Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:05:42.370591

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.44%

Reason: Defect Percentage: 33.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 56 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0010

Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:05:43.938247

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.44%

Reason: Defect Percentage: 38.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 57 Inspection Decision

Wafer ID: Thermal_THERM_02_W0007

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:05:45.940390

Defect Class: Donut

Confidence Score: 1.0000

Defect Percentage: 59.76%

Reason: Defect Percentage: 59.76% (>40% threshold), Defect Class: Donut, Confidence: 100.00%

Wafer 58 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0012

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:05:46.897439

Defect Class: Random

Confidence Score: 0.9998

Defect Percentage: 71.30%

Reason: Defect Percentage: 71.3% (>40% threshold), Defect Class: Random, Confidence: 99.98%

Wafer 59 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0012

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:05:47.599214

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.66%

Reason: Defect Percentage: 35.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 60 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0010

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:05:49.114666

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 61 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0011
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:05:51.328704

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 62 Inspection Decision

Wafer ID: Thermal_THERM_01_W0010
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:05:51.433861

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 63 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0013
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:05:51.978675

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.54%

Reason: Defect Percentage: 35.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 64 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0013
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:05:53.053750

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 65 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0011
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:05:56.313130

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 66 Inspection Decision

Wafer ID: Thermal_THERM_02_W0008
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:05:57.418650

Defect Class: Edge-Ring
Confidence Score: 0.9923
Defect Percentage: 55.67%

Reason: Defect Percentage: 55.67% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.23%

Wafer 67 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0014
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:05:57.638565

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 68 Inspection Decision

Wafer ID: Thermal_THERM_01_W0011
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:05:57.671134

Defect Class: Normal

Confidence Score: 0.9999
Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 69 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0014
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:05:58.388002

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 70 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0012
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:05:58.997624

Defect Class: Random
Confidence Score: 0.9991
Defect Percentage: 70.29%

Reason: Defect Percentage: 70.29% (>40% threshold), Defect Class: Random, Confidence: 99.91%

Wafer 71 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0015
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:06:02.921634

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 45.66%

Reason: Defect Percentage: 45.66% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 72 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0012
Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:06:03.301529

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 73 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0015

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:06:03.903929

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.54%

Reason: Defect Percentage: 36.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 74 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0013

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:06:06.593978

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 47.13%

Reason: Defect Percentage: 47.13% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 75 Inspection Decision

Wafer ID: Thermal_THERM_02_W0009

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:06:07.616231

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 76 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0016

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:06:08.548773

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 77 Inspection Decision

Wafer ID: Thermal_THERM_01_W0012

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:06:08.867935

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 39.16%

Reason: Defect Percentage: 39.16% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 78 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0016

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:06:08.950678

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 79 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0013

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:06:09.962193

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 80 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0014
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:06:11.734808

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.54%

Reason: Defect Percentage: 36.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 81 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0017
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:06:13.715121

Defect Class: Center
Confidence Score: 0.9999
Defect Percentage: 59.07%

Reason: Defect Percentage: 59.07% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 82 Inspection Decision

Wafer ID: Thermal_THERM_01_W0013
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:06:14.436573

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 83 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0017
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:06:14.720768

Defect Class: Random
Confidence Score: 1.0000
Defect Percentage: 75.51%

Reason: Defect Percentage: 75.51% (>40% threshold), Defect Class: Random, Confidence: 100.00%

Wafer 84 Inspection Decision

Wafer ID: Thermal_THERM_02_W0010

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:06:14.881292

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.83%

Reason: Defect Percentage: 35.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 85 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0014

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:06:15.420153

Defect Class: Local

Confidence Score: 0.9998

Defect Percentage: 48.65%

Reason: Defect Percentage: 48.65% (>40% threshold), Defect Class: Local, Confidence: 99.98%

Wafer 86 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0015

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:06:17.576237

Defect Class: Donut

Confidence Score: 1.0000

Defect Percentage: 63.56%

Reason: Defect Percentage: 63.56% (>40% threshold), Defect Class: Donut, Confidence: 100.00%

Wafer 87 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0018

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:06:19.638251

Defect Class: Normal

Confidence Score: 0.9997
Defect Percentage: 29.05%

Reason: Defect Percentage: 29.05% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 88 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0018
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:06:20.709268

Defect Class: Scratch
Confidence Score: 1.0000
Defect Percentage: 43.34%

Reason: Defect Percentage: 43.34% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 89 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0015
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:06:21.109262

Defect Class: Donut
Confidence Score: 0.9999
Defect Percentage: 55.99%

Reason: Defect Percentage: 55.99% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 90 Inspection Decision

Wafer ID: Thermal_THERM_02_W0011
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:06:22.296010

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.54%

Reason: Defect Percentage: 35.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 91 Inspection Decision

Wafer ID: Thermal_THERM_01_W0014
Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:06:24.251113

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 92 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0019

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:06:24.761425

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.22%

Reason: Defect Percentage: 33.22% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 93 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0016

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:06:24.935151

Defect Class: Edge-Ring

Confidence Score: 0.9917

Defect Percentage: 56.59%

Reason: Defect Percentage: 56.59% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.17%

Wafer 94 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0019

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:06:26.683602

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.83%

Reason: Defect Percentage: 34.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 95 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0016

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:06:27.800614

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 96 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0020

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:06:30.235885

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 97 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0017

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:06:31.531958

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 98 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0020

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:06:32.084824

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 99 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0017
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:06:33.736893

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 100 Inspection Decision

Wafer ID: Thermal_THERM_02_W0012
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:06:33.984933

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 101 Inspection Decision

Wafer ID: Thermal_THERM_01_W0015
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:06:34.020927

Defect Class: Random
Confidence Score: 0.9996
Defect Percentage: 77.21%

Reason: Defect Percentage: 77.21% (>40% threshold), Defect Class: Random, Confidence: 99.96%

Wafer 102 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0021
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:06:35.993893

Defect Class: Normal
Confidence Score: 0.9999

Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 103 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0018

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:06:36.738499

Defect Class: Donut

Confidence Score: 0.9997

Defect Percentage: 56.64%

Reason: Defect Percentage: 56.64% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 104 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0021

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:06:37.392655

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.76%

Reason: Defect Percentage: 34.76% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 105 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0018

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:06:40.009928

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.83%

Reason: Defect Percentage: 34.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 106 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0022

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:06:41.972288

Defect Class: Center
Confidence Score: 0.9999
Defect Percentage: 45.54%

Reason: Defect Percentage: 45.54% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 107 Inspection Decision

Wafer ID: Thermal_THERM_01_W0016
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:06:42.572294

Defect Class: Random
Confidence Score: 0.9976
Defect Percentage: 84.62%

Reason: Defect Percentage: 84.62% (>40% threshold), Defect Class: Random, Confidence: 99.76%

Wafer 108 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0022
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:06:43.270395

Defect Class: Normal
Confidence Score: 0.9993
Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 109 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0019
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:06:43.495097

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 110 Inspection Decision

Wafer ID: Thermal_THERM_02_W0013
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:06:45.246058

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 37.60%

Reason: Defect Percentage: 37.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 111 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0019
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:06:46.654884

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.45%

Reason: Defect Percentage: 37.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 112 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0023
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:06:47.800404

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.68%

Reason: Defect Percentage: 36.68% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 113 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0023
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:06:48.979185

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 36.26%

Reason: Defect Percentage: 36.26% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 114 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0020

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:06:49.957325

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 115 Inspection Decision

Wafer ID: Thermal_THERM_01_W0017

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:06:50.750237

Defect Class: Edge-Loc

Confidence Score: 0.9987

Defect Percentage: 54.02%

Reason: Defect Percentage: 54.02% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.87%

Wafer 116 Inspection Decision

Wafer ID: Thermal_THERM_02_W0014

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:06:52.298564

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.54%

Reason: Defect Percentage: 38.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 117 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0020

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:06:52.726050

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 32.13%

Reason: Defect Percentage: 32.13% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 118 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0024

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:06:53.166136

Defect Class: Center

Confidence Score: 0.9996

Defect Percentage: 45.15%

Reason: Defect Percentage: 45.15% (>40% threshold), Defect Class: Center, Confidence: 99.96%

Wafer 119 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0024

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:06:54.687358

Defect Class: Edge-Ring

Confidence Score: 0.9893

Defect Percentage: 53.70%

Reason: Defect Percentage: 53.7% (>40% threshold), Defect Class: Edge-Ring, Confidence: 98.93%

Wafer 120 Inspection Decision

Wafer ID: Thermal_THERM_01_W0018

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:06:55.859420

Defect Class: Normal

Confidence Score: 0.9991

Defect Percentage: 38.98%

Reason: Defect Percentage: 38.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.91%

Wafer 121 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0021

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:06:56.749327

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.54%

Reason: Defect Percentage: 35.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 122 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0025

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:06:59.057905

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.55%

Reason: Defect Percentage: 34.55% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 123 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0021

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:06:59.968110

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 124 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0025

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:00.672033

Defect Class: Normal

Confidence Score: 0.9976

Defect Percentage: 37.70%

Reason: Defect Percentage: 37.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.76%

Wafer 125 Inspection Decision

Wafer ID: Thermal_THERM_01_W0019

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:07:01.498254

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 31.11%

Reason: Defect Percentage: 31.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 126 Inspection Decision

Wafer ID: Thermal_THERM_02_W0015

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:07:02.734960

Defect Class: Random

Confidence Score: 0.9999

Defect Percentage: 79.42%

Reason: Defect Percentage: 79.42% (>40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 127 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0022

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:07:03.106505

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 128 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0026

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:07:04.430468

Defect Class: Edge-Loc

Confidence Score: 0.9893

Defect Percentage: 44.78%

Reason: Defect Percentage: 44.78% (>40% threshold), Defect Class: Edge-Loc, Confidence: 98.93%

Wafer 129 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0026

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:05.717798

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.04%

Reason: Defect Percentage: 30.04% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 130 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0022

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:07:06.873197

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 131 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0023

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:07:09.854951

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 132 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0027

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:07:10.288258

Defect Class: Normal

Confidence Score: 0.9976

Defect Percentage: 37.70%

Reason: Defect Percentage: 37.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.76%

Wafer 133 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0027

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:10.797005

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.83%

Reason: Defect Percentage: 34.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 134 Inspection Decision

Wafer ID: Thermal_THERM_01_W0020

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:07:12.096002

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.03%

Reason: Defect Percentage: 34.03% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 135 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0023

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:07:13.152086

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 136 Inspection Decision

Wafer ID: Thermal_THERM_02_W0016

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:07:13.822573

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.68%

Reason: Defect Percentage: 36.68% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 137 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0024

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:07:15.997936

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 138 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0028

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:07:15.997936

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 51.96%

Reason: Defect Percentage: 51.96% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 139 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0028

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:16.215188

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.27%

Reason: Defect Percentage: 38.27% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 140 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0024

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:07:20.761128

Defect Class: Normal

Confidence Score: 0.9999
Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 141 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0029
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:07:21.762754

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 142 Inspection Decision

Wafer ID: Thermal_THERM_01_W0021
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:07:21.774080

Defect Class: Donut
Confidence Score: 0.9982
Defect Percentage: 55.10%

Reason: Defect Percentage: 55.1% (>40% threshold), Defect Class: Donut, Confidence: 99.82%

Wafer 143 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0029
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:07:21.972610

Defect Class: Normal
Confidence Score: 0.9995
Defect Percentage: 39.46%

Reason: Defect Percentage: 39.46% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 144 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0025
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:07:22.316698

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 145 Inspection Decision

Wafer ID: Thermal_THERM_02_W0017
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:07:23.586239

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 146 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0025
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:07:25.964321

Defect Class: Edge-Ring
Confidence Score: 0.9951
Defect Percentage: 53.62%

Reason: Defect Percentage: 53.62% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.51%

Wafer 147 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0030
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:07:27.403453

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 148 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0030
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:07:27.700614

Defect Class: Local
Confidence Score: 0.9999
Defect Percentage: 53.16%

Reason: Defect Percentage: 53.16% (>40% threshold), Defect Class: Local, Confidence: 99.99%

Wafer 149 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0026
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:07:27.706340

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.28%

Reason: Defect Percentage: 34.28% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 150 Inspection Decision

Wafer ID: Thermal_THERM_01_W0022
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:07:29.093285

Defect Class: Near-Full
Confidence Score: 1.0000
Defect Percentage: 94.31%

Reason: Defect Percentage: 94.31% (>40% threshold), Defect Class: Near-Full, Confidence: 100.00%

Wafer 151 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0026
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:07:32.222126

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 152 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0031

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:32.527610

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 153 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0031

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:07:32.928420

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.76%

Reason: Defect Percentage: 34.76% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 154 Inspection Decision

Wafer ID: Thermal_THERM_02_W0018

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:07:33.363221

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.28%

Reason: Defect Percentage: 34.28% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 155 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0027

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:07:34.455162

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 156 Inspection Decision

Wafer ID: Thermal_THERM_01_W0023

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:07:37.156033

Defect Class: Edge-Loc

Confidence Score: 0.9996

Defect Percentage: 44.30%

Reason: Defect Percentage: 44.3% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.96%

Wafer 157 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0032

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:38.018935

Defect Class: Random

Confidence Score: 0.5003

Defect Percentage: 86.14%

Reason: Defect Percentage: 86.14% (>40% threshold), Defect Class: Random, Confidence: 50.03%

Wafer 158 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0032

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:07:38.618548

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 159 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0027

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:07:39.704952

Defect Class: Scratch
Confidence Score: 0.9999
Defect Percentage: 43.89%

Reason: Defect Percentage: 43.89% (>40% threshold), Defect Class: Scratch, Confidence: 99.99%

Wafer 160 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0028
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:07:40.414450

Defect Class: Local
Confidence Score: 0.9998
Defect Percentage: 47.63%

Reason: Defect Percentage: 47.63% (>40% threshold), Defect Class: Local, Confidence: 99.98%

Wafer 161 Inspection Decision

Wafer ID: Thermal_THERM_02_W0019
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:07:41.513978

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 162 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0033
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:07:43.120392

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 163 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0033
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:07:44.406012

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.01%

Reason: Defect Percentage: 33.01% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 164 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0028

Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:07:46.257925

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 165 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0029

Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:07:47.784857

Defect Class: Near-Full
Confidence Score: 0.9993
Defect Percentage: 89.73%

Reason: Defect Percentage: 89.73% (>40% threshold), Defect Class: Near-Full, Confidence: 99.93%

Wafer 166 Inspection Decision

Wafer ID: Thermal_THERM_01_W0024

Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:07:47.876958

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.04%

Reason: Defect Percentage: 30.04% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 167 Inspection Decision

Wafer ID: Thermal_THERM_02_W0020

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:07:48.493667

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.52%

Reason: Defect Percentage: 33.52% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 168 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0034

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:48.993093

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 45.04%

Reason: Defect Percentage: 45.04% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 169 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0034

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:07:50.257878

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 36.26%

Reason: Defect Percentage: 36.26% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 170 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0029

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:07:51.591608

Defect Class: Edge-Ring

Confidence Score: 0.9973

Defect Percentage: 55.05%

Reason: Defect Percentage: 55.05% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.73%

Wafer 171 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0030

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:07:53.006021

Defect Class: Donut

Confidence Score: 0.9989

Defect Percentage: 56.15%

Reason: Defect Percentage: 56.15% (>40% threshold), Defect Class: Donut, Confidence: 99.89%

Wafer 172 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0035

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:07:54.933584

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.22%

Reason: Defect Percentage: 33.22% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 173 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0035

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:07:55.926978

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 174 Inspection Decision

Wafer ID: Thermal_THERM_02_W0021

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:07:56.557852

Defect Class: Normal

Confidence Score: 0.9999
Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 175 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0030
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:07:56.800615

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 176 Inspection Decision

Wafer ID: Thermal_THERM_01_W0025
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:07:56.907960

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 34.12%

Reason: Defect Percentage: 34.12% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 177 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0031
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:07:59.597338

Defect Class: Scratch
Confidence Score: 0.9999
Defect Percentage: 45.11%

Reason: Defect Percentage: 45.11% (>40% threshold), Defect Class: Scratch, Confidence: 99.99%

Wafer 178 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0036
Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02
Timestamp: 2025-12-27T12:08:00.086225

Defect Class: Edge-Ring
Confidence Score: 0.9981
Defect Percentage: 51.43%

Reason: Defect Percentage: 51.43% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.81%

Wafer 179 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0036
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:08:01.723669

Defect Class: Normal
Confidence Score: 0.9993
Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 180 Inspection Decision

Wafer ID: Thermal_THERM_01_W0026
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:08:02.595036

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 181 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0031
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:08:02.796663

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 31.73%

Reason: Defect Percentage: 31.73% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 182 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0037

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:08:05.769858

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.78%

Reason: Defect Percentage: 34.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 183 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0037

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:08:06.819263

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.56%

Reason: Defect Percentage: 34.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 184 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0032

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:06.960011

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 29.05%

Reason: Defect Percentage: 29.05% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 185 Inspection Decision

Wafer ID: Thermal_THERM_02_W0022

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:08:08.277420

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 43.14%

Reason: Defect Percentage: 43.14% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 186 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0032
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:08:08.450964

Defect Class: Edge-Ring
Confidence Score: 0.9641
Defect Percentage: 51.21%

Reason: Defect Percentage: 51.21% (>40% threshold), Defect Class: Edge-Ring, Confidence: 96.41%

Wafer 187 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0038
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:08:11.137349

Defect Class: Donut
Confidence Score: 0.9999
Defect Percentage: 57.79%

Reason: Defect Percentage: 57.79% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 188 Inspection Decision

Wafer ID: Thermal_THERM_01_W0027
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:08:12.554765

Defect Class: Edge-Loc
Confidence Score: 0.9979
Defect Percentage: 50.44%

Reason: Defect Percentage: 50.44% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.79%

Wafer 189 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0033
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:08:12.600179

Defect Class: Normal
Confidence Score: 0.9999

Defect Percentage: 31.11%

Reason: Defect Percentage: 31.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 190 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0038

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:08:12.805623

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 29.05%

Reason: Defect Percentage: 29.05% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 191 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0033

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:08:15.142133

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.78%

Reason: Defect Percentage: 34.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 192 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0039

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:08:16.966058

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 59.78%

Reason: Defect Percentage: 59.78% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 193 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0039

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:08:18.033811

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 194 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0034

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:18.267186

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 195 Inspection Decision

Wafer ID: Thermal_THERM_02_W0023

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:08:19.662174

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.83%

Reason: Defect Percentage: 35.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 196 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0034

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:08:20.730252

Defect Class: Edge-Loc

Confidence Score: 0.9617

Defect Percentage: 48.28%

Reason: Defect Percentage: 48.28% (>40% threshold), Defect Class: Edge-Loc, Confidence: 96.17%

Wafer 197 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0040

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:08:22.179691

Defect Class: Normal

Confidence Score: 1.0000

Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 198 Inspection Decision

Wafer ID: Thermal_THERM_01_W0028

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:08:22.835920

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.36%

Reason: Defect Percentage: 32.36% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 199 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0040

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:08:23.119402

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 29.05%

Reason: Defect Percentage: 29.05% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 200 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0035

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:23.618790

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 55.77%

Reason: Defect Percentage: 55.77% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 201 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0035
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:08:26.396342

Defect Class: Random
Confidence Score: 0.9992
Defect Percentage: 79.16%

Reason: Defect Percentage: 79.16% (>40% threshold), Defect Class: Random, Confidence: 99.92%

Wafer 202 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0041
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:08:28.171803

Defect Class: Edge-Ring
Confidence Score: 0.9966
Defect Percentage: 52.67%

Reason: Defect Percentage: 52.67% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.66%

Wafer 203 Inspection Decision

Wafer ID: Thermal_THERM_02_W0024
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:08:28.368351

Defect Class: Donut
Confidence Score: 0.9991
Defect Percentage: 56.61%

Reason: Defect Percentage: 56.61% (>40% threshold), Defect Class: Donut, Confidence: 99.91%

Wafer 204 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0041
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:08:29.028208

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 205 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0036

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:29.448517

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.27%

Reason: Defect Percentage: 38.27% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 206 Inspection Decision

Wafer ID: Thermal_THERM_01_W0029

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:08:30.028375

Defect Class: Donut

Confidence Score: 0.9998

Defect Percentage: 61.40%

Reason: Defect Percentage: 61.4% (>40% threshold), Defect Class: Donut, Confidence: 99.98%

Wafer 207 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0036

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:08:34.040122

Defect Class: Center

Confidence Score: 0.9999

Defect Percentage: 51.84%

Reason: Defect Percentage: 51.84% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 208 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0042

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:08:34.117900

Defect Class: Normal

Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 209 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0042
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:08:34.460928

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 210 Inspection Decision

Wafer ID: Thermal_THERM_02_W0025
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:08:35.151263

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 211 Inspection Decision

Wafer ID: Thermal_THERM_01_W0030
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:08:35.909985

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 212 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0037
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:37.428221

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 213 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0037

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:08:39.261422

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 214 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0043

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:08:39.420486

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 215 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0043

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:08:40.112664

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 216 Inspection Decision

Wafer ID: Thermal_THERM_02_W0026

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:08:42.894608

Defect Class: Near-Full

Confidence Score: 0.9979

Defect Percentage: 91.11%

Reason: Defect Percentage: 91.11% (>40% threshold), Defect Class: Near-Full, Confidence: 99.79%

Wafer 217 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0038

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:08:44.472797

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 218 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0044

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:08:44.552965

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 219 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0038

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:44.608325

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 39.16%

Reason: Defect Percentage: 39.16% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 220 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0044

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:08:45.352535

Defect Class: Normal

Confidence Score: 1.0000

Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 221 Inspection Decision

Wafer ID: Thermal_THERM_01_W0031

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:08:46.877594

Defect Class: Edge-Loc

Confidence Score: 0.9930

Defect Percentage: 45.07%

Reason: Defect Percentage: 45.07% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.30%

Wafer 222 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0039

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:08:50.122537

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 223 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0045

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:08:50.285765

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 31.07%

Reason: Defect Percentage: 31.07% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 224 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0045

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:08:51.090926

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 225 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0039

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:52.153464

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.44%

Reason: Defect Percentage: 38.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 226 Inspection Decision

Wafer ID: Thermal_THERM_01_W0032

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:08:52.562110

Defect Class: Edge-Ring

Confidence Score: 0.9832

Defect Percentage: 56.34%

Reason: Defect Percentage: 56.34% (>40% threshold), Defect Class: Edge-Ring, Confidence: 98.32%

Wafer 227 Inspection Decision

Wafer ID: Thermal_THERM_02_W0027

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:08:52.990747

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.76%

Reason: Defect Percentage: 34.76% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 228 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0040
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:08:55.887363

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 229 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0046
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:08:56.022099

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 230 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0046
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:08:56.661864

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.66%

Reason: Defect Percentage: 35.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 231 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0040

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:08:58.337849

Defect Class: Edge-Ring

Confidence Score: 0.9825

Defect Percentage: 58.92%

Reason: Defect Percentage: 58.92% (>40% threshold), Defect Class: Edge-Ring, Confidence: 98.25%

Wafer 232 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0041

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:09:01.428594

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.78%

Reason: Defect Percentage: 34.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 233 Inspection Decision

Wafer ID: Thermal_THERM_02_W0028

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:09:01.501863

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.04%

Reason: Defect Percentage: 30.04% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 234 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0047

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:09:01.812549

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 235 Inspection Decision

Wafer ID: Thermal_THERM_01_W0033

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:09:01.910529

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.66%

Reason: Defect Percentage: 35.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 236 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0047

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:09:02.624133

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 237 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0001

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:11:07.905529

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 238 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0001

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:11:07.905529

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 35.60%

Reason: Defect Percentage: 35.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 239 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0001

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:11:07.906553

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 37.71%

Reason: Defect Percentage: 37.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 240 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0001

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:11:07.906553

Defect Class: Local

Confidence Score: 0.9999

Defect Percentage: 54.81%

Reason: Defect Percentage: 54.81% (>40% threshold), Defect Class: Local, Confidence: 99.99%

Wafer 241 Inspection Decision

Wafer ID: Thermal_THERM_01_W0001

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:11:07.907553

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 37.60%

Reason: Defect Percentage: 37.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 242 Inspection Decision

Wafer ID: Thermal_THERM_02_W0001

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:11:07.908559

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 64.90%

Reason: Defect Percentage: 64.9% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 243 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0002

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:11:13.171162

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.44%

Reason: Defect Percentage: 33.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 244 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0002

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:11:13.408344

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.03%

Reason: Defect Percentage: 34.03% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 245 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0002

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:11:15.238308

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 64.90%

Reason: Defect Percentage: 64.9% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 246 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0002

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:11:15.383860

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.22%

Reason: Defect Percentage: 33.22% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 247 Inspection Decision

Wafer ID: Thermal_THERM_02_W0002
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:11:16.735697

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 248 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0003
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:11:18.326535

Defect Class: Edge-Loc
Confidence Score: 0.9999
Defect Percentage: 50.55%

Reason: Defect Percentage: 50.55% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.99%

Wafer 249 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0003
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:11:18.602831

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.44%

Reason: Defect Percentage: 33.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 250 Inspection Decision

Wafer ID: Thermal_THERM_01_W0002
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:11:19.878541

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 251 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0003
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:11:21.510777

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 252 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0003
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:11:23.008356

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.44%

Reason: Defect Percentage: 33.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 253 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0004
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:11:23.789852

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 29.98%

Reason: Defect Percentage: 29.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 254 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0004

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:11:24.297623

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 255 Inspection Decision

Wafer ID: Thermal_THERM_02_W0003

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:11:27.463287

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 39.16%

Reason: Defect Percentage: 39.16% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 256 Inspection Decision

Wafer ID: Thermal_THERM_01_W0003

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:11:28.078421

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.66%

Reason: Defect Percentage: 34.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 257 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0004

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:11:28.120768

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 47.13%

Reason: Defect Percentage: 47.13% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 258 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0004

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:11:28.414000

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 259 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0005

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:11:29.110476

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 260 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0005

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:11:29.559380

Defect Class: Edge-Ring

Confidence Score: 0.9960

Defect Percentage: 54.35%

Reason: Defect Percentage: 54.35% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.60%

Wafer 261 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0006

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:11:34.165982

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 262 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0005
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:11:34.253019

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 263 Inspection Decision

Wafer ID: Thermal_THERM_02_W0004
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:11:35.126397

Defect Class: Edge-Loc
Confidence Score: 0.9909
Defect Percentage: 44.71%

Reason: Defect Percentage: 44.71% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.09%

Wafer 264 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0006
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:11:35.540822

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.76%

Reason: Defect Percentage: 34.76% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 265 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0005
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:11:35.857349

Defect Class: Normal
Confidence Score: 0.9993
Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 266 Inspection Decision

Wafer ID: Thermal_THERM_01_W0004
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:11:37.794446

Defect Class: Local
Confidence Score: 0.9995
Defect Percentage: 50.32%

Reason: Defect Percentage: 50.32% (>40% threshold), Defect Class: Local, Confidence: 99.95%

Wafer 267 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0007
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:11:39.815718

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 268 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0007
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:11:41.120054

Defect Class: Normal
Confidence Score: 0.9993
Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 269 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0006

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:11:41.357653

Defect Class: Center

Confidence Score: 0.9999

Defect Percentage: 45.85%

Reason: Defect Percentage: 45.85% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 270 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0006

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:11:42.658638

Defect Class: Edge-Ring

Confidence Score: 0.7675

Defect Percentage: 50.71%

Reason: Defect Percentage: 50.71% (>40% threshold), Defect Class: Edge-Ring, Confidence: 76.75%

Wafer 271 Inspection Decision

Wafer ID: Thermal_THERM_02_W0005

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:11:44.312518

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 36.26%

Reason: Defect Percentage: 36.26% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 272 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0008

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:11:45.475294

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 273 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0008
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:11:46.443384

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 37.60%

Reason: Defect Percentage: 37.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 274 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0007
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:11:46.479813

Defect Class: Center
Confidence Score: 1.0000
Defect Percentage: 46.97%

Reason: Defect Percentage: 46.97% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 275 Inspection Decision

Wafer ID: Thermal_THERM_01_W0005
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:11:46.871810

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.60%

Reason: Defect Percentage: 36.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 276 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0007
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:11:48.299908

Defect Class: Normal
Confidence Score: 0.9991
Defect Percentage: 38.98%

Reason: Defect Percentage: 38.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.91%

Wafer 277 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0009
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:11:50.775506

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 278 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0009
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:11:51.560865

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.83%

Reason: Defect Percentage: 34.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 279 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0008
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:11:53.660454

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 280 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0008
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:11:54.477255

Defect Class: Normal

Confidence Score: 0.9998
Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 281 Inspection Decision

Wafer ID: Thermal_THERM_01_W0006
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:11:54.611201

Defect Class: Normal
Confidence Score: 1.0000
Defect Percentage: 38.90%

Reason: Defect Percentage: 38.90% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 282 Inspection Decision

Wafer ID: Thermal_THERM_02_W0006
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:11:56.104792

Defect Class: Random
Confidence Score: 0.9999
Defect Percentage: 79.42%

Reason: Defect Percentage: 79.42% (>40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 283 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0010
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:11:56.544174

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 284 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0010
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:11:57.420833

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 285 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0009

Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:11:59.971964

Defect Class: Near-Full
Confidence Score: 0.9981
Defect Percentage: 88.14%

Reason: Defect Percentage: 88.14% (>40% threshold), Defect Class: Near-Full, Confidence: 99.81%

Wafer 286 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0009

Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:12:00.158700

Defect Class: Donut
Confidence Score: 0.9999
Defect Percentage: 52.28%

Reason: Defect Percentage: 52.28% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 287 Inspection Decision

Wafer ID: Thermal_THERM_02_W0007

Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:12:01.145846

Defect Class: Local
Confidence Score: 0.9989
Defect Percentage: 52.45%

Reason: Defect Percentage: 52.45% (>40% threshold), Defect Class: Local, Confidence: 99.89%

Wafer 288 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0011

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:12:01.650239

Defect Class: Random

Confidence Score: 0.9978

Defect Percentage: 80.45%

Reason: Defect Percentage: 80.45% (>40% threshold), Defect Class: Random, Confidence: 99.78%

Wafer 289 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0011

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:12:03.224187

Defect Class: Donut

Confidence Score: 1.0000

Defect Percentage: 63.00%

Reason: Defect Percentage: 63.0% (>40% threshold), Defect Class: Donut, Confidence: 100.00%

Wafer 290 Inspection Decision

Wafer ID: Thermal_THERM_01_W0007

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:12:04.770492

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 291 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0010

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:12:06.973965

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.45%

Reason: Defect Percentage: 37.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 292 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0010
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:12:07.266318

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 293 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0012
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:12:07.506936

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 37.60%

Reason: Defect Percentage: 37.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 294 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0012
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:12:09.068470

Defect Class: Random
Confidence Score: 0.9999
Defect Percentage: 73.27%

Reason: Defect Percentage: 73.27% (>40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 295 Inspection Decision

Wafer ID: Thermal_THERM_01_W0008
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:12:10.968562

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.55%

Reason: Defect Percentage: 34.55% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 296 Inspection Decision

Wafer ID: Thermal_THERM_02_W0008

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:12:11.434715

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.76%

Reason: Defect Percentage: 34.76% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 297 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0011

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:12:13.035533

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 30.44%

Reason: Defect Percentage: 30.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 298 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0013

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:12:13.251039

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 299 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0013

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:12:14.315325

Defect Class: Edge-Ring

Confidence Score: 0.9805
Defect Percentage: 56.51%

Reason: Defect Percentage: 56.51% (>40% threshold), Defect Class: Edge-Ring, Confidence: 98.05%

Wafer 300 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0011
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:12:14.635029

Defect Class: Donut
Confidence Score: 0.9997
Defect Percentage: 57.79%

Reason: Defect Percentage: 57.79% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 301 Inspection Decision

Wafer ID: Thermal_THERM_02_W0009
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:12:16.546762

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 302 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0014
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:12:18.298227

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 31.07%

Reason: Defect Percentage: 31.07% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 303 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0014
Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:12:19.629735

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 44.70%

Reason: Defect Percentage: 44.7% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 304 Inspection Decision

Wafer ID: Thermal_THERM_01_W0009

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:12:19.877142

Defect Class: Donut

Confidence Score: 1.0000

Defect Percentage: 58.95%

Reason: Defect Percentage: 58.95% (>40% threshold), Defect Class: Donut, Confidence: 100.00%

Wafer 305 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0012

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:12:20.017013

Defect Class: Random

Confidence Score: 0.9999

Defect Percentage: 74.35%

Reason: Defect Percentage: 74.35% (>40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 306 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0012

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:12:20.604735

Defect Class: Scratch

Confidence Score: 0.9999

Defect Percentage: 43.89%

Reason: Defect Percentage: 43.89% (>40% threshold), Defect Class: Scratch, Confidence: 99.99%

Wafer 307 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0015

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:12:23.681734

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 308 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0015

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:12:24.686161

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 309 Inspection Decision

Wafer ID: Thermal_THERM_01_W0010

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:12:26.508353

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.83%

Reason: Defect Percentage: 35.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 310 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0013

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:12:27.012650

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 311 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0013
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:12:27.652490

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 312 Inspection Decision

Wafer ID: Thermal_THERM_02_W0010
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:12:28.574695

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 313 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0016
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:12:29.002120

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 46.16%

Reason: Defect Percentage: 46.16% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 314 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0016
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:12:30.610204

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 315 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0014
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:12:33.586652

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.97%

Reason: Defect Percentage: 34.97% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 316 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0014
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:12:33.967885

Defect Class: Random
Confidence Score: 0.9589
Defect Percentage: 83.22%

Reason: Defect Percentage: 83.22% (>40% threshold), Defect Class: Random, Confidence: 95.89%

Wafer 317 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0017
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:12:34.434222

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 318 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0017
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:12:36.624209

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.01%

Reason: Defect Percentage: 33.01% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 319 Inspection Decision

Wafer ID: Thermal_THERM_01_W0011

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:12:36.625214

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.44%

Reason: Defect Percentage: 38.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 320 Inspection Decision

Wafer ID: Thermal_THERM_02_W0011

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:12:37.516394

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 52.27%

Reason: Defect Percentage: 52.27% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 321 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0015

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:12:39.564405

Defect Class: Edge-Ring

Confidence Score: 0.7199

Defect Percentage: 52.08%

Reason: Defect Percentage: 52.08% (>40% threshold), Defect Class: Edge-Ring, Confidence: 71.99%

Wafer 322 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0018

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:12:40.283785

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 323 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0015
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:12:41.723715

Defect Class: Normal
Confidence Score: 1.0000
Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 324 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0018
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:12:42.187812

Defect Class: Near-Full
Confidence Score: 1.0000
Defect Percentage: 98.04%

Reason: Defect Percentage: 98.04% (>40% threshold), Defect Class: Near-Full, Confidence: 100.00%

Wafer 325 Inspection Decision

Wafer ID: Thermal_THERM_02_W0012
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:12:45.168122

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 326 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0019
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:12:45.495234

Defect Class: Edge-Ring
Confidence Score: 0.9942
Defect Percentage: 57.28%

Reason: Defect Percentage: 57.28% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.42%

Wafer 327 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0016

Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:12:46.653565

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.76%

Reason: Defect Percentage: 34.76% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 328 Inspection Decision

Wafer ID: Thermal_THERM_01_W0012

Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:12:46.818348

Defect Class: Random
Confidence Score: 0.9992
Defect Percentage: 79.16%

Reason: Defect Percentage: 79.16% (>40% threshold), Defect Class: Random, Confidence: 99.92%

Wafer 329 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0019

Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:12:47.681434

Defect Class: Near-Full
Confidence Score: 0.9381
Defect Percentage: 84.72%

Reason: Defect Percentage: 84.72% (>40% threshold), Defect Class: Near-Full, Confidence: 93.81%

Wafer 330 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0016
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:12:49.045058

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.04%

Reason: Defect Percentage: 30.04% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 331 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0020
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:12:51.148809

Defect Class: Normal
Confidence Score: 0.9995
Defect Percentage: 39.46%

Reason: Defect Percentage: 39.46% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 332 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0017
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:12:52.390545

Defect Class: Random
Confidence Score: 0.9992
Defect Percentage: 79.16%

Reason: Defect Percentage: 79.16% (>40% threshold), Defect Class: Random, Confidence: 99.92%

Wafer 333 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0020
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:12:52.836865

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 334 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0017

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:12:55.836314

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 335 Inspection Decision

Wafer ID: Thermal_THERM_02_W0013

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:12:56.463520

Defect Class: Edge-Loc

Confidence Score: 1.0000

Defect Percentage: 47.84%

Reason: Defect Percentage: 47.84% (>40% threshold), Defect Class: Edge-Loc, Confidence: 100.00%

Wafer 336 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0021

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:12:57.082228

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.55%

Reason: Defect Percentage: 34.55% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 337 Inspection Decision

Wafer ID: Thermal_THERM_01_W0013

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:12:57.192145

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 338 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0021

Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:12:58.408801

Defect Class: Near-Full
Confidence Score: 0.7516
Defect Percentage: 86.05%

Reason: Defect Percentage: 86.05% (>40% threshold), Defect Class: Near-Full, Confidence: 75.16%

Wafer 339 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0018

Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:12:58.634388

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 31.11%

Reason: Defect Percentage: 31.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 340 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0018

Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:13:01.444936

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 341 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0022

Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:13:02.354104

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.97%

Reason: Defect Percentage: 34.97% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 342 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0022
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:13:03.729530

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.54%

Reason: Defect Percentage: 35.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 343 Inspection Decision

Wafer ID: Thermal_THERM_01_W0014
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:13:04.728349

Defect Class: Donut
Confidence Score: 0.9982
Defect Percentage: 55.10%

Reason: Defect Percentage: 55.1% (>40% threshold), Defect Class: Donut, Confidence: 99.82%

Wafer 344 Inspection Decision

Wafer ID: Thermal_THERM_02_W0014
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:13:05.159325

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 345 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0019

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:13:06.637509

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.56%

Reason: Defect Percentage: 34.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 346 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0023

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:13:07.540932

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 29.98%

Reason: Defect Percentage: 29.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 347 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0019

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:13:08.809372

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 348 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0023

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:13:09.418875

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 64.90%

Reason: Defect Percentage: 64.9% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 349 Inspection Decision

Wafer ID: Thermal_THERM_01_W0015
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:13:12.307794

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 350 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0024
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:13:12.635967

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.60%

Reason: Defect Percentage: 36.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 351 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0020
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:13:13.963357

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.66%

Reason: Defect Percentage: 34.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 352 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0020
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:13:15.386533

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 353 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0024

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:13:15.551284

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 354 Inspection Decision

Wafer ID: Thermal_THERM_02_W0015

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:13:16.022348

Defect Class: Near-Full

Confidence Score: 0.9999

Defect Percentage: 93.20%

Reason: Defect Percentage: 93.2% (>40% threshold), Defect Class: Near-Full, Confidence: 99.99%

Wafer 355 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0025

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:13:18.469333

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.28%

Reason: Defect Percentage: 34.28% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 356 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0021

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:13:19.924269

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 357 Inspection Decision

Wafer ID: Thermal_THERM_01_W0016
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:13:20.665867

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 358 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0025
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:13:21.482193

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 359 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0021
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:13:22.038922

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 360 Inspection Decision

Wafer ID: Thermal_THERM_02_W0016

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:13:23.172407

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 361 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0026

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:13:24.154658

Defect Class: Normal

Confidence Score: 0.9976

Defect Percentage: 37.70%

Reason: Defect Percentage: 37.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.76%

Wafer 362 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0022

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:13:25.867352

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 363 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0026

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:13:27.135609

Defect Class: Edge-Ring

Confidence Score: 0.9941

Defect Percentage: 52.70%

Reason: Defect Percentage: 52.7% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.41%

Wafer 364 Inspection Decision

Wafer ID: Thermal_THERM_01_W0017

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:13:27.464388

Defect Class: Center

Confidence Score: 1.0000

Defect Percentage: 47.02%

Reason: Defect Percentage: 47.02% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 365 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0022

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:13:29.506565

Defect Class: Edge-Loc

Confidence Score: 0.9998

Defect Percentage: 49.95%

Reason: Defect Percentage: 49.95% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.98%

Wafer 366 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0027

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:13:29.739129

Defect Class: Edge-Ring

Confidence Score: 0.9976

Defect Percentage: 54.32%

Reason: Defect Percentage: 54.32% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.76%

Wafer 367 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0023

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:13:32.123253

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 34.12%

Reason: Defect Percentage: 34.12% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 368 Inspection Decision

Wafer ID: Thermal_THERM_02_W0017

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:13:32.359530

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 369 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0027

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:13:32.922020

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 370 Inspection Decision

Wafer ID: Thermal_THERM_01_W0018

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:13:33.651286

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 371 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0028

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:13:35.479202

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 31.81%

Reason: Defect Percentage: 31.81% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 372 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0023
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:13:37.584635

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.56%

Reason: Defect Percentage: 34.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 373 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0024
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:13:37.639428

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.22%

Reason: Defect Percentage: 33.22% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 374 Inspection Decision

Wafer ID: Thermal_THERM_02_W0018
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:13:37.691535

Defect Class: Donut
Confidence Score: 0.9997
Defect Percentage: 49.31%

Reason: Defect Percentage: 49.31% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 375 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0028
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:13:38.348445

Defect Class: Edge-Ring
Confidence Score: 0.9960
Defect Percentage: 54.35%

Reason: Defect Percentage: 54.35% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.60%

Wafer 376 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0029
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:13:41.103156

Defect Class: Normal
Confidence Score: 0.9993
Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 377 Inspection Decision

Wafer ID: Thermal_THERM_01_W0019
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:13:41.576443

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.45%

Reason: Defect Percentage: 37.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 378 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0025
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:13:43.004431

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.83%

Reason: Defect Percentage: 35.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 379 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0029

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:13:44.219038

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 380 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0024

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:13:45.392329

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.54%

Reason: Defect Percentage: 36.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 381 Inspection Decision

Wafer ID: Thermal_THERM_02_W0019

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:13:46.530295

Defect Class: Near-Full

Confidence Score: 0.9990

Defect Percentage: 87.47%

Reason: Defect Percentage: 87.47% (>40% threshold), Defect Class: Near-Full, Confidence: 99.90%

Wafer 382 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0030

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:13:46.699660

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 44.18%

Reason: Defect Percentage: 44.18% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 383 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0026

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:13:49.150127

Defect Class: Edge-Loc

Confidence Score: 0.9999

Defect Percentage: 50.94%

Reason: Defect Percentage: 50.94% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.99%

Wafer 384 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0030

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:13:49.438134

Defect Class: Edge-Loc

Confidence Score: 0.9930

Defect Percentage: 45.07%

Reason: Defect Percentage: 45.07% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.30%

Wafer 385 Inspection Decision

Wafer ID: Thermal_THERM_01_W0020

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:13:51.804309

Defect Class: Scratch

Confidence Score: 0.9998

Defect Percentage: 44.26%

Reason: Defect Percentage: 44.26% (>40% threshold), Defect Class: Scratch, Confidence: 99.98%

Wafer 386 Inspection Decision

Wafer ID: Thermal_THERM_02_W0020

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:13:52.052045

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 387 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0031
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:13:52.718350

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.55%

Reason: Defect Percentage: 34.55% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 388 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0025
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:13:53.293185

Defect Class: Random
Confidence Score: 1.0000
Defect Percentage: 78.73%

Reason: Defect Percentage: 78.73% (>40% threshold), Defect Class: Random, Confidence: 100.00%

Wafer 389 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0031
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:13:55.052719

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 390 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0027

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:13:56.817395

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.71%

Reason: Defect Percentage: 34.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 391 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0032

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:13:57.894633

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.45%

Reason: Defect Percentage: 37.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 392 Inspection Decision

Wafer ID: Thermal_THERM_02_W0021

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:13:58.369956

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 393 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0032

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:00.515270

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 29.98%

Reason: Defect Percentage: 29.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 394 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0026
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:14:00.842921

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.45%

Reason: Defect Percentage: 33.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 395 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0028
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:14:03.332152

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 31.73%

Reason: Defect Percentage: 31.73% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 396 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0033
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:14:03.723318

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 38.27%

Reason: Defect Percentage: 38.27% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 397 Inspection Decision

Wafer ID: Thermal_THERM_01_W0021
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:14:03.823462

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.44%

Reason: Defect Percentage: 38.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 398 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0033

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:06.393370

Defect Class: Random

Confidence Score: 0.9992

Defect Percentage: 79.16%

Reason: Defect Percentage: 79.16% (>40% threshold), Defect Class: Random, Confidence: 99.92%

Wafer 399 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0027

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:14:06.933575

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.54%

Reason: Defect Percentage: 38.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 400 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0034

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:08.982859

Defect Class: Edge-Ring

Confidence Score: 0.9812

Defect Percentage: 56.71%

Reason: Defect Percentage: 56.71% (>40% threshold), Defect Class: Edge-Ring, Confidence: 98.12%

Wafer 401 Inspection Decision

Wafer ID: Thermal_THERM_02_W0022

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:14:09.768500

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.71%

Reason: Defect Percentage: 34.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 402 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0029
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:14:11.376955

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.20%

Reason: Defect Percentage: 35.20% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 403 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0034
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:14:11.874282

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 404 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0028
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:14:12.617601

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 53.37%

Reason: Defect Percentage: 53.37% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 405 Inspection Decision

Wafer ID: Thermal_THERM_01_W0022
Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:14:14.441465

Defect Class: Near-Full

Confidence Score: 1.0000

Defect Percentage: 92.05%

Reason: Defect Percentage: 92.05% (>40% threshold), Defect Class: Near-Full, Confidence: 100.00%

Wafer 406 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0035

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:14.768562

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 45.02%

Reason: Defect Percentage: 45.02% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 407 Inspection Decision

Wafer ID: Thermal_THERM_02_W0023

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:14:15.583036

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 408 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0035

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:17.114822

Defect Class: Donut

Confidence Score: 0.9998

Defect Percentage: 63.89%

Reason: Defect Percentage: 63.89% (>40% threshold), Defect Class: Donut, Confidence: 99.98%

Wafer 409 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0030

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:14:18.505168

Defect Class: Edge-Loc

Confidence Score: 0.9985

Defect Percentage: 43.08%

Reason: Defect Percentage: 43.08% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.85%

Wafer 410 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0029

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:14:20.149246

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 411 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0036

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:20.715437

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.66%

Reason: Defect Percentage: 35.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 412 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0036

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:22.366111

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.83%

Reason: Defect Percentage: 35.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 413 Inspection Decision

Wafer ID: Thermal_THERM_01_W0023

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:14:23.250801

Defect Class: Center

Confidence Score: 1.0000

Defect Percentage: 58.23%

Reason: Defect Percentage: 58.23% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 414 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0030

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:14:25.814849

Defect Class: Edge-Ring

Confidence Score: 0.9686

Defect Percentage: 57.23%

Reason: Defect Percentage: 57.23% (>40% threshold), Defect Class: Edge-Ring, Confidence: 96.86%

Wafer 415 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0031

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:14:26.155564

Defect Class: Edge-Loc

Confidence Score: 0.9975

Defect Percentage: 46.08%

Reason: Defect Percentage: 46.08% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.75%

Wafer 416 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0037

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:26.244017

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 417 Inspection Decision

Wafer ID: Thermal_THERM_02_W0024

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:14:26.814918

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 418 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0037

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:27.867361

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 419 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0031

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:14:31.680431

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.44%

Reason: Defect Percentage: 33.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 420 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0038

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:31.684733

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 421 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0038
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:14:33.486926

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 31.73%

Reason: Defect Percentage: 31.73% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 422 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0032
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:14:33.992737

Defect Class: Donut
Confidence Score: 0.9997
Defect Percentage: 60.56%

Reason: Defect Percentage: 60.56% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 423 Inspection Decision

Wafer ID: Thermal_THERM_01_W0024
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:14:34.813003

Defect Class: Donut
Confidence Score: 0.9997
Defect Percentage: 56.64%

Reason: Defect Percentage: 56.64% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 424 Inspection Decision

Wafer ID: Thermal_THERM_02_W0025
Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:14:36.165511

Defect Class: Edge-Loc

Confidence Score: 0.9996

Defect Percentage: 52.66%

Reason: Defect Percentage: 52.66% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.96%

Wafer 425 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0039

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:37.211504

Defect Class: Edge-Ring

Confidence Score: 0.9917

Defect Percentage: 56.59%

Reason: Defect Percentage: 56.59% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.17%

Wafer 426 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0032

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:14:38.717308

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 427 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0039

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:39.430231

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 428 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0033

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:14:39.811926

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.78%

Reason: Defect Percentage: 34.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 429 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0040

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:42.826011

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 430 Inspection Decision

Wafer ID: Thermal_THERM_02_W0026

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:14:43.185942

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 431 Inspection Decision

Wafer ID: Thermal_THERM_01_W0025

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:14:44.506280

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.36%

Reason: Defect Percentage: 32.36% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 432 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0040

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:44.660073

Defect Class: Local

Confidence Score: 0.9989

Defect Percentage: 45.95%

Reason: Defect Percentage: 45.95% (>40% threshold), Defect Class: Local, Confidence: 99.89%

Wafer 433 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0034

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:14:45.235048

Defect Class: Normal

Confidence Score: 0.9976

Defect Percentage: 37.70%

Reason: Defect Percentage: 37.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.76%

Wafer 434 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0033

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:14:46.168439

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 49.30%

Reason: Defect Percentage: 49.3% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 435 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0041

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:48.569929

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 436 Inspection Decision

Wafer ID: Thermal_THERM_02_W0027

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:14:48.817877

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 44.30%

Reason: Defect Percentage: 44.3% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 437 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0041

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:14:49.742426

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 438 Inspection Decision

Wafer ID: Thermal_THERM_01_W0026

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:14:51.066392

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.36%

Reason: Defect Percentage: 32.36% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 439 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0034

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:14:52.458633

Defect Class: Normal

Confidence Score: 0.9997
Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 440 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0035
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:14:52.716504

Defect Class: Center
Confidence Score: 0.9999
Defect Percentage: 49.39%

Reason: Defect Percentage: 49.39% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 441 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0042
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:14:53.979042

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 442 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0042
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:14:55.110860

Defect Class: Edge-Ring
Confidence Score: 0.9940
Defect Percentage: 54.68%

Reason: Defect Percentage: 54.68% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.40%

Wafer 443 Inspection Decision

Wafer ID: Thermal_THERM_01_W0027
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01

Timestamp: 2025-12-27T12:14:57.104367

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 444 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0043

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:14:59.348155

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 445 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0036

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:14:59.625152

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 446 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0035

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:15:00.073109

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 447 Inspection Decision

Wafer ID: Thermal_THERM_02_W0028

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:15:00.192520

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 37.60%

Reason: Defect Percentage: 37.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 448 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0043

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:15:01.079165

Defect Class: Edge-Loc

Confidence Score: 0.9959

Defect Percentage: 46.07%

Reason: Defect Percentage: 46.07% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.59%

Wafer 449 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0044

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:15:04.876321

Defect Class: Near-Full

Confidence Score: 0.9999

Defect Percentage: 93.20%

Reason: Defect Percentage: 93.2% (>40% threshold), Defect Class: Near-Full, Confidence: 99.99%

Wafer 450 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0036

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:15:06.252022

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 44.89%

Reason: Defect Percentage: 44.89% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 451 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0037
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:15:06.361341

Defect Class: Normal
Confidence Score: 0.9995
Defect Percentage: 35.78%

Reason: Defect Percentage: 35.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 452 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0044
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:15:07.134055

Defect Class: Near-Full
Confidence Score: 0.9998
Defect Percentage: 91.16%

Reason: Defect Percentage: 91.16% (>40% threshold), Defect Class: Near-Full, Confidence: 99.98%

Wafer 453 Inspection Decision

Wafer ID: Thermal_THERM_01_W0028
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:15:08.742571

Defect Class: Center
Confidence Score: 0.9998
Defect Percentage: 44.40%

Reason: Defect Percentage: 44.4% (>40% threshold), Defect Class: Center, Confidence: 99.98%

Wafer 454 Inspection Decision

Wafer ID: Thermal_THERM_02_W0029
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:15:09.731054

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.97%

Reason: Defect Percentage: 34.97% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 455 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0045

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:15:10.574478

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 456 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0038

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:15:11.893812

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 35.60%

Reason: Defect Percentage: 35.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 457 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0045

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:15:12.185084

Defect Class: Near-Full

Confidence Score: 0.9992

Defect Percentage: 87.50%

Reason: Defect Percentage: 87.5% (>40% threshold), Defect Class: Near-Full, Confidence: 99.92%

Wafer 458 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0037

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:15:12.832102

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.52%

Reason: Defect Percentage: 33.52% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 459 Inspection Decision

Wafer ID: Thermal_THERM_01_W0029
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:15:14.335153

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 460 Inspection Decision

Wafer ID: Thermal_THERM_02_W0030
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:15:15.662900

Defect Class: Center
Confidence Score: 0.9999
Defect Percentage: 46.34%

Reason: Defect Percentage: 46.34% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 461 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0046
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:15:16.286468

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.68%

Reason: Defect Percentage: 36.68% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 462 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0046
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:15:18.128677

Defect Class: Normal
Confidence Score: 1.0000
Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 463 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0038

Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:15:18.574096

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 464 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0039

Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:15:19.645314

Defect Class: Donut
Confidence Score: 0.9996
Defect Percentage: 56.36%

Reason: Defect Percentage: 56.36% (>40% threshold), Defect Class: Donut, Confidence: 99.96%

Wafer 465 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0001

Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:15:45.922057

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 46.01%

Reason: Defect Percentage: 46.01% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 466 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0001

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:15:45.923316

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 467 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0001

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:15:45.923316

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.89%

Reason: Defect Percentage: 36.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 468 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0001

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:15:45.923316

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 469 Inspection Decision

Wafer ID: Thermal_THERM_01_W0001

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:15:45.924322

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.68%

Reason: Defect Percentage: 36.68% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 470 Inspection Decision

Wafer ID: Thermal_THERM_02_W0001

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:15:45.925326

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.78%

Reason: Defect Percentage: 34.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 471 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0002

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:15:51.359359

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 29.05%

Reason: Defect Percentage: 29.05% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 472 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0002

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:15:51.441963

Defect Class: Edge-Ring

Confidence Score: 0.9911

Defect Percentage: 56.43%

Reason: Defect Percentage: 56.43% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.11%

Wafer 473 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0002

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:15:51.783241

Defect Class: Scratch

Confidence Score: 1.0000
Defect Percentage: 44.04%

Reason: Defect Percentage: 44.04% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 474 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0002
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:15:52.578913

Defect Class: Normal
Confidence Score: 0.9995
Defect Percentage: 39.51%

Reason: Defect Percentage: 39.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 475 Inspection Decision

Wafer ID: Thermal_THERM_02_W0002
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:15:54.918851

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 476 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0001
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:16:22.777137

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.83%

Reason: Defect Percentage: 34.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 477 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0001
Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:16:22.778150

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 31.07%

Reason: Defect Percentage: 31.07% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 478 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0001

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:16:22.778150

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 479 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0001

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:16:22.779653

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.54%

Reason: Defect Percentage: 35.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 480 Inspection Decision

Wafer ID: Thermal_THERM_01_W0001

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:16:22.780656

Defect Class: Edge-Loc

Confidence Score: 0.9999

Defect Percentage: 50.55%

Reason: Defect Percentage: 50.55% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.99%

Wafer 481 Inspection Decision

Wafer ID: Thermal_THERM_02_W0001

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:16:22.781160

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 482 Inspection Decision

Wafer ID: Thermal_THERM_01_W0002

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:16:28.073142

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 31.73%

Reason: Defect Percentage: 31.73% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 483 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0002

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:16:28.224129

Defect Class: Random

Confidence Score: 1.0000

Defect Percentage: 0.35%

Reason: Defect Percentage: 0.35% (<=40% threshold), Defect Class: Random, Confidence: 100.00%

Wafer 484 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0002

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:16:28.339758

Defect Class: Random

Confidence Score: 1.0000

Defect Percentage: 74.25%

Reason: Defect Percentage: 74.25% (>40% threshold), Defect Class: Random, Confidence: 100.00%

Wafer 485 Inspection Decision

Wafer ID: Thermal_THERM_02_W0002

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:16:28.505505

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 486 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0002

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:16:28.511722

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 487 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0002

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:16:30.790590

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 42.94%

Reason: Defect Percentage: 42.94% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 488 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0001

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:17:29.074866

Defect Class: Edge-Ring

Confidence Score: 0.9938
Defect Percentage: 55.89%

Reason: Defect Percentage: 55.89% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.38%

Wafer 489 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0001
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:17:29.075987

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.70%

Reason: Defect Percentage: 35.70% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 490 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0001
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:17:29.075987

Defect Class: Normal
Confidence Score: 0.9995
Defect Percentage: 35.78%

Reason: Defect Percentage: 35.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 491 Inspection Decision

Wafer ID: Thermal_THERM_02_W0001
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:17:29.077015

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 38.27%

Reason: Defect Percentage: 38.27% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 492 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0001
Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02
Timestamp: 2025-12-27T12:17:29.077015

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 493 Inspection Decision

Wafer ID: Thermal_THERM_01_W0001
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:17:29.077015

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 494 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0002
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:17:34.487849

Defect Class: Center
Confidence Score: 1.0000
Defect Percentage: 49.72%

Reason: Defect Percentage: 49.72% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 495 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0002
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:17:35.009703

Defect Class: Normal
Confidence Score: 0.9991
Defect Percentage: 38.98%

Reason: Defect Percentage: 38.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.91%

Wafer 496 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0002

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:17:35.771813

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 497 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0002

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:17:35.955836

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.52%

Reason: Defect Percentage: 33.52% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 498 Inspection Decision

Wafer ID: Thermal_THERM_01_W0002

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:17:36.588540

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 499 Inspection Decision

Wafer ID: Thermal_THERM_02_W0002

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:17:39.264760

Defect Class: Near-Full

Confidence Score: 0.9381

Defect Percentage: 84.72%

Reason: Defect Percentage: 84.72% (>40% threshold), Defect Class: Near-Full, Confidence: 93.81%

Wafer 500 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0003

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:17:40.421515

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 30.44%

Reason: Defect Percentage: 30.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 501 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0003

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:17:40.568856

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 502 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0003

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:17:41.053857

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 503 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0003

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:17:41.464627

Defect Class: Normal

Confidence Score: 0.9999
Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 504 Inspection Decision

Wafer ID: Thermal_THERM_01_W0003
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:17:43.531803

Defect Class: Random
Confidence Score: 0.9999
Defect Percentage: 0.14%

Reason: Defect Percentage: 0.14% (<=40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 505 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0004
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:17:45.924863

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.45%

Reason: Defect Percentage: 33.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 506 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0004
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:17:46.529911

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 507 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0004
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:17:47.415744

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 35.60%

Reason: Defect Percentage: 35.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 508 Inspection Decision

Wafer ID: Thermal_THERM_02_W0003
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:17:47.805077

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 39.16%

Reason: Defect Percentage: 39.16% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 509 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0004
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:17:47.864212

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 510 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0005
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:17:51.945534

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 29.98%

Reason: Defect Percentage: 29.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 511 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0005

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:17:52.200521

Defect Class: Local

Confidence Score: 0.9995

Defect Percentage: 44.99%

Reason: Defect Percentage: 44.99% (>40% threshold), Defect Class: Local, Confidence: 99.95%

Wafer 512 Inspection Decision

Wafer ID: Thermal_THERM_01_W0004

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:17:53.719580

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.23%

Reason: Defect Percentage: 34.23% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 513 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0005

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:17:54.247092

Defect Class: Normal

Confidence Score: 0.9995

Defect Percentage: 39.46%

Reason: Defect Percentage: 39.46% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 514 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0005

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:17:54.304110

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.04%

Reason: Defect Percentage: 30.04% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 515 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0006

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:17:57.104817

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.71%

Reason: Defect Percentage: 34.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 516 Inspection Decision

Wafer ID: Thermal_THERM_02_W0004

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:17:57.746237

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.71%

Reason: Defect Percentage: 34.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 517 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0006

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:17:58.217660

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 51.32%

Reason: Defect Percentage: 51.32% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 518 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0006

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:17:59.823142

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 519 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0006

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:18:01.661528

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 44.27%

Reason: Defect Percentage: 44.27% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 520 Inspection Decision

Wafer ID: Thermal_THERM_01_W0005

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:18:01.852997

Defect Class: Center

Confidence Score: 0.9999

Defect Percentage: 48.77%

Reason: Defect Percentage: 48.77% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 521 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0007

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:18:02.386699

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.60%

Reason: Defect Percentage: 36.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 522 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0007

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:18:03.830777

Defect Class: Normal

Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 523 Inspection Decision

Wafer ID: Thermal_THERM_02_W0005
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:18:04.635868

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 31.11%

Reason: Defect Percentage: 31.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 524 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0007
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:18:06.906444

Defect Class: Edge-Loc
Confidence Score: 0.9946
Defect Percentage: 51.50%

Reason: Defect Percentage: 51.5% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.46%

Wafer 525 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0008
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:18:07.435857

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 526 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0007
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:18:08.055456

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.56%

Reason: Defect Percentage: 34.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 527 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0008

Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:18:08.925434

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 39.60%

Reason: Defect Percentage: 39.60% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 528 Inspection Decision

Wafer ID: Thermal_THERM_01_W0006

Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:18:10.746633

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 34.71%

Reason: Defect Percentage: 34.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 529 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0009

Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:18:12.761947

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.45%

Reason: Defect Percentage: 37.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 530 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0008

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:18:13.619503

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.44%

Reason: Defect Percentage: 38.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 531 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0009

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:18:14.084244

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 55.77%

Reason: Defect Percentage: 55.77% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 532 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0008

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:18:14.340756

Defect Class: Donut

Confidence Score: 0.9998

Defect Percentage: 63.77%

Reason: Defect Percentage: 63.77% (>40% threshold), Defect Class: Donut, Confidence: 99.98%

Wafer 533 Inspection Decision

Wafer ID: Thermal_THERM_02_W0006

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:18:15.591725

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 534 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0010
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:18:18.026491

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 535 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0009
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:18:18.955912

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 536 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0010
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:18:19.651837

Defect Class: Scratch
Confidence Score: 1.0000
Defect Percentage: 44.27%

Reason: Defect Percentage: 44.27% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 537 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0009
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:18:21.277339

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.54%

Reason: Defect Percentage: 35.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 538 Inspection Decision

Wafer ID: Thermal_THERM_01_W0007

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:18:22.566301

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 39.60%

Reason: Defect Percentage: 39.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 539 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0011

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:18:23.817867

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 540 Inspection Decision

Wafer ID: Thermal_THERM_02_W0007

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:18:24.783558

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.23%

Reason: Defect Percentage: 34.23% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 541 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0011

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:18:25.581131

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 542 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0010
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:18:25.907180

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 543 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0010
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:18:27.291942

Defect Class: Local
Confidence Score: 0.9995
Defect Percentage: 49.07%

Reason: Defect Percentage: 49.07% (>40% threshold), Defect Class: Local, Confidence: 99.95%

Wafer 544 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0012
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:18:29.693956

Defect Class: Local
Confidence Score: 0.9998
Defect Percentage: 47.63%

Reason: Defect Percentage: 47.63% (>40% threshold), Defect Class: Local, Confidence: 99.98%

Wafer 545 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0012
Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02
Timestamp: 2025-12-27T12:18:31.613408

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 29.98%

Reason: Defect Percentage: 29.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 546 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0011
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:18:32.093434

Defect Class: Scratch
Confidence Score: 1.0000
Defect Percentage: 43.80%

Reason: Defect Percentage: 43.8% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 547 Inspection Decision

Wafer ID: Thermal_THERM_01_W0008
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:18:34.308513

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 548 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0011
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:18:34.639488

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 549 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0013

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:18:34.764669

Defect Class: Scratch

Confidence Score: 0.9996

Defect Percentage: 45.38%

Reason: Defect Percentage: 45.38% (>40% threshold), Defect Class: Scratch, Confidence: 99.96%

Wafer 550 Inspection Decision

Wafer ID: Thermal_THERM_02_W0008

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:18:35.536811

Defect Class: Random

Confidence Score: 0.9999

Defect Percentage: 77.80%

Reason: Defect Percentage: 77.8% (>40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 551 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0013

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:18:37.283350

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.83%

Reason: Defect Percentage: 34.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 552 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0012

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:18:39.925429

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 553 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0012
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:18:40.539821

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.83%

Reason: Defect Percentage: 35.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 554 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0014
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:18:40.670620

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 31.11%

Reason: Defect Percentage: 31.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 555 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0014
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:18:42.378792

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 556 Inspection Decision

Wafer ID: Thermal_THERM_02_W0009
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:18:43.402936

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.97%

Reason: Defect Percentage: 34.97% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 557 Inspection Decision

Wafer ID: Thermal_THERM_01_W0009

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:18:45.180165

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.23%

Reason: Defect Percentage: 34.23% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 558 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0013

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:18:45.184968

Defect Class: Random

Confidence Score: 1.0000

Defect Percentage: 73.00%

Reason: Defect Percentage: 73.0% (>40% threshold), Defect Class: Random, Confidence: 100.00%

Wafer 559 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0015

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:18:45.892039

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 560 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0013

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:18:47.381897

Defect Class: Normal
Confidence Score: 0.9993
Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 561 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0015
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:18:48.297915

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 29.05%

Reason: Defect Percentage: 29.05% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 562 Inspection Decision

Wafer ID: Thermal_THERM_02_W0010
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:18:50.322752

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.92%

Reason: Defect Percentage: 35.92% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 563 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0016
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:18:51.575575

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.04%

Reason: Defect Percentage: 30.04% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 564 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0014

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:18:51.726818

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 565 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0014

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:18:53.879653

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.54%

Reason: Defect Percentage: 35.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 566 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0016

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:18:54.327865

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 32.13%

Reason: Defect Percentage: 32.13% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 567 Inspection Decision

Wafer ID: Thermal_THERM_01_W0010

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:18:56.617853

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.66%

Reason: Defect Percentage: 34.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 568 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0015
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:18:57.141944

Defect Class: Normal
Confidence Score: 0.9991
Defect Percentage: 38.98%

Reason: Defect Percentage: 38.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.91%

Wafer 569 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0017
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:18:57.474252

Defect Class: Normal
Confidence Score: 0.9993
Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 570 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0017
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:18:59.796567

Defect Class: Donut
Confidence Score: 0.9998
Defect Percentage: 59.32%

Reason: Defect Percentage: 59.32% (>40% threshold), Defect Class: Donut, Confidence: 99.98%

Wafer 571 Inspection Decision

Wafer ID: Thermal_THERM_02_W0011
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:19:00.565501

Defect Class: Normal
Confidence Score: 0.9976
Defect Percentage: 37.70%

Reason: Defect Percentage: 37.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.76%

Wafer 572 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0015
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:19:01.465466

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.60%

Reason: Defect Percentage: 36.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 573 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0016
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:19:02.868824

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 574 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0018
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:19:03.298638

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.66%

Reason: Defect Percentage: 34.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 575 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0018
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:19:05.481873

Defect Class: Normal
Confidence Score: 0.9997

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 576 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0016

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:19:07.511949

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 31.73%

Reason: Defect Percentage: 31.73% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 577 Inspection Decision

Wafer ID: Thermal_THERM_01_W0011

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:19:08.226119

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 578 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0017

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:19:08.257320

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 44.88%

Reason: Defect Percentage: 44.88% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 579 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0019

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:19:09.030861

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 54.15%

Reason: Defect Percentage: 54.15% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 580 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0019

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:19:11.429634

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 31.73%

Reason: Defect Percentage: 31.73% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 581 Inspection Decision

Wafer ID: Thermal_THERM_02_W0012

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:19:12.563491

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 582 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0017

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:19:14.145818

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.83%

Reason: Defect Percentage: 35.83% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 583 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0020

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:19:15.230845

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 584 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0018

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:19:16.843613

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 44.55%

Reason: Defect Percentage: 44.55% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 585 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0020

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:19:17.114523

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 31.81%

Reason: Defect Percentage: 31.81% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 586 Inspection Decision

Wafer ID: Thermal_THERM_01_W0012

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:19:18.068473

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 29.98%

Reason: Defect Percentage: 29.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 587 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0018
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:19:19.412929

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 588 Inspection Decision

Wafer ID: Thermal_THERM_02_W0013
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:19:19.425842

Defect Class: Near-Full
Confidence Score: 0.9997
Defect Percentage: 92.82%

Reason: Defect Percentage: 92.82% (>40% threshold), Defect Class: Near-Full, Confidence: 99.97%

Wafer 589 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0021
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:19:20.964507

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.89%

Reason: Defect Percentage: 36.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 590 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0021
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:19:22.290561

Defect Class: Near-Full

Confidence Score: 0.9999
Defect Percentage: 91.72%

Reason: Defect Percentage: 91.72% (>40% threshold), Defect Class: Near-Full, Confidence: 99.99%

Wafer 591 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0019
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:19:23.148349

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.90%

Reason: Defect Percentage: 37.90% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 592 Inspection Decision

Wafer ID: Thermal_THERM_01_W0013
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:19:24.715396

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.01%

Reason: Defect Percentage: 33.01% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 593 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0019
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:19:26.206683

Defect Class: Near-Full
Confidence Score: 0.9998
Defect Percentage: 91.16%

Reason: Defect Percentage: 91.16% (>40% threshold), Defect Class: Near-Full, Confidence: 99.98%

Wafer 594 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0022
Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01
Timestamp: 2025-12-27T12:19:26.849474

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.20%

Reason: Defect Percentage: 35.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 595 Inspection Decision

Wafer ID: Thermal_THERM_02_W0014
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:19:27.091775

Defect Class: Edge-Loc
Confidence Score: 0.9999
Defect Percentage: 47.90%

Reason: Defect Percentage: 47.9% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.99%

Wafer 596 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0022
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:19:27.563727

Defect Class: Donut
Confidence Score: 0.9997
Defect Percentage: 55.29%

Reason: Defect Percentage: 55.29% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 597 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0020
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:19:28.492928

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 598 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0020

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:19:32.250821

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 599 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0023

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:19:32.813806

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 600 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0023

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:19:33.594367

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.55%

Reason: Defect Percentage: 34.55% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 601 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0021

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:19:33.637433

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.52%

Reason: Defect Percentage: 33.52% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 602 Inspection Decision

Wafer ID: Thermal_THERM_02_W0015

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:19:33.947120

Defect Class: Near-Full

Confidence Score: 0.9990

Defect Percentage: 87.47%

Reason: Defect Percentage: 87.47% (>40% threshold), Defect Class: Near-Full, Confidence: 99.90%

Wafer 603 Inspection Decision

Wafer ID: Thermal_THERM_01_W0014

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:19:35.539548

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.03%

Reason: Defect Percentage: 34.03% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 604 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0021

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:19:37.340575

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 30.86%

Reason: Defect Percentage: 30.86% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 605 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0024

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:19:38.638045

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.97%

Reason: Defect Percentage: 34.97% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 606 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0024

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:19:38.938667

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 607 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0022

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:19:39.343887

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 608 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0025

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:19:43.782942

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 609 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0022

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:19:43.918082

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 35.60%

Reason: Defect Percentage: 35.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 610 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0025
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:19:44.065545

Defect Class: Edge-Ring
Confidence Score: 0.9938
Defect Percentage: 55.89%

Reason: Defect Percentage: 55.89% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.38%

Wafer 611 Inspection Decision

Wafer ID: Thermal_THERM_02_W0016
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:19:45.302849

Defect Class: Edge-Loc
Confidence Score: 0.9942
Defect Percentage: 46.09%

Reason: Defect Percentage: 46.09% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.42%

Wafer 612 Inspection Decision

Wafer ID: Thermal_THERM_01_W0015
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:19:46.839991

Defect Class: Donut
Confidence Score: 1.0000
Defect Percentage: 49.42%

Reason: Defect Percentage: 49.42% (>40% threshold), Defect Class: Donut, Confidence: 100.00%

Wafer 613 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0023
Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:19:47.219792

Defect Class: Edge-Loc

Confidence Score: 0.9878

Defect Percentage: 50.27%

Reason: Defect Percentage: 50.27% (>40% threshold), Defect Class: Edge-Loc, Confidence: 98.78%

Wafer 614 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0026

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:19:49.759927

Defect Class: Near-Full

Confidence Score: 0.9999

Defect Percentage: 92.85%

Reason: Defect Percentage: 92.85% (>40% threshold), Defect Class: Near-Full, Confidence: 99.99%

Wafer 615 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0026

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:19:49.857511

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 47.75%

Reason: Defect Percentage: 47.75% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 616 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0023

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:19:51.646424

Defect Class: Normal

Confidence Score: 0.9993

Defect Percentage: 36.47%

Reason: Defect Percentage: 36.47% (<=40% threshold), Defect Class: Normal, Confidence: 99.93%

Wafer 617 Inspection Decision

Wafer ID: Thermal_THERM_02_W0017

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:19:52.554439

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 618 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0024

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:19:54.964937

Defect Class: Edge-Ring

Confidence Score: 0.9942

Defect Percentage: 57.28%

Reason: Defect Percentage: 57.28% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.42%

Wafer 619 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0027

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:19:55.364442

Defect Class: Near-Full

Confidence Score: 0.9991

Defect Percentage: 89.20%

Reason: Defect Percentage: 89.2% (>40% threshold), Defect Class: Near-Full, Confidence: 99.91%

Wafer 620 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0027

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:19:55.892923

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.54%

Reason: Defect Percentage: 36.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 621 Inspection Decision

Wafer ID: Thermal_THERM_01_W0016
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:19:56.255745

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.56%

Reason: Defect Percentage: 34.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 622 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0024
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:19:57.004406

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.66%

Reason: Defect Percentage: 35.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 623 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0028
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:20:00.916073

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 624 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0028
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:20:01.249590

Defect Class: Normal

Confidence Score: 0.9998
Defect Percentage: 34.28%

Reason: Defect Percentage: 34.28% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 625 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0025
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:20:01.607923

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 626 Inspection Decision

Wafer ID: Thermal_THERM_02_W0018
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:20:01.684612

Defect Class: Local
Confidence Score: 0.9983
Defect Percentage: 44.16%

Reason: Defect Percentage: 44.16% (>40% threshold), Defect Class: Local, Confidence: 99.83%

Wafer 627 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0025
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:20:04.078065

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.66%

Reason: Defect Percentage: 34.66% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 628 Inspection Decision

Wafer ID: Thermal_THERM_01_W0017
Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:20:05.600464

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 31.81%

Reason: Defect Percentage: 31.81% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 629 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0029

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:20:06.862492

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.36%

Reason: Defect Percentage: 32.36% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 630 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0029

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:20:06.992783

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 36.26%

Reason: Defect Percentage: 36.26% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 631 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0026

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:20:09.226118

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 632 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0026

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:20:10.545317

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 633 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0030

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:20:12.391516

Defect Class: Edge-Ring

Confidence Score: 0.9812

Defect Percentage: 58.29%

Reason: Defect Percentage: 58.29% (>40% threshold), Defect Class: Edge-Ring, Confidence: 98.12%

Wafer 634 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0030

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:20:12.441590

Defect Class: Edge-Loc

Confidence Score: 1.0000

Defect Percentage: 49.27%

Reason: Defect Percentage: 49.27% (>40% threshold), Defect Class: Edge-Loc, Confidence: 100.00%

Wafer 635 Inspection Decision

Wafer ID: Thermal_THERM_02_W0019

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:20:13.219268

Defect Class: Normal

Confidence Score: 0.9991

Defect Percentage: 38.98%

Reason: Defect Percentage: 38.98% (<=40% threshold), Defect Class: Normal, Confidence: 99.91%

Wafer 636 Inspection Decision

Wafer ID: Thermal_THERM_01_W0018

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:20:14.264858

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 43.63%

Reason: Defect Percentage: 43.63% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 637 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0027

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:20:14.556495

Defect Class: Edge-Ring

Confidence Score: 0.9970

Defect Percentage: 51.93%

Reason: Defect Percentage: 51.93% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.70%

Wafer 638 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0027

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:20:15.700002

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 639 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0031

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:20:18.025182

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 640 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0031

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:20:18.124020

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.68%

Reason: Defect Percentage: 36.68% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 641 Inspection Decision

Wafer ID: Thermal_THERM_02_W0020

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:20:20.409454

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.20%

Reason: Defect Percentage: 34.2% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 642 Inspection Decision

Wafer ID: Thermal_THERM_01_W0019

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:20:20.657348

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.54%

Reason: Defect Percentage: 36.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 643 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0028

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:20:20.698144

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 30.04%

Reason: Defect Percentage: 30.04% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 644 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0028
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:20:22.990796

Defect Class: Local
Confidence Score: 0.9995
Defect Percentage: 50.32%

Reason: Defect Percentage: 50.32% (>40% threshold), Defect Class: Local, Confidence: 99.95%

Wafer 645 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0032
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:20:23.311493

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 49.05%

Reason: Defect Percentage: 49.05% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 646 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0032
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:20:23.725360

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 647 Inspection Decision

Wafer ID: Thermal_THERM_01_W0020
Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:20:27.017259

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 31.81%

Reason: Defect Percentage: 31.81% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 648 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0029

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:20:27.374561

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.78%

Reason: Defect Percentage: 34.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 649 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0033

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:20:28.696493

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.01%

Reason: Defect Percentage: 33.01% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 650 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0033

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:20:29.286299

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.38%

Reason: Defect Percentage: 33.38% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 651 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0029

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:20:30.434853

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 35.77%

Reason: Defect Percentage: 35.77% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 652 Inspection Decision

Wafer ID: Thermal_THERM_02_W0021

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:20:30.910516

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.44%

Reason: Defect Percentage: 38.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 653 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0034

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:20:33.914061

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 49.60%

Reason: Defect Percentage: 49.6% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 654 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0030

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:20:33.946080

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 38.54%

Reason: Defect Percentage: 38.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 655 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0034
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:20:34.870500

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 32.13%

Reason: Defect Percentage: 32.13% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 656 Inspection Decision

Wafer ID: Thermal_THERM_01_W0021
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:20:35.673984

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 37.60%

Reason: Defect Percentage: 37.6% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 657 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0030
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:20:37.785752

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 658 Inspection Decision

Wafer ID: Thermal_THERM_02_W0022
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:20:38.659145

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.11%

Reason: Defect Percentage: 38.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 659 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0035

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:20:39.848430

Defect Class: Near-Full

Confidence Score: 1.0000

Defect Percentage: 98.03%

Reason: Defect Percentage: 98.03% (>40% threshold), Defect Class: Near-Full, Confidence: 100.00%

Wafer 660 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0035

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:20:40.125103

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.76%

Reason: Defect Percentage: 34.76% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 661 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0031

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:20:41.134427

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 662 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0031

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:20:42.875065

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.52%

Reason: Defect Percentage: 33.52% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 663 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0036

Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:20:45.618349

Defect Class: Edge-Loc
Confidence Score: 0.9933
Defect Percentage: 51.32%

Reason: Defect Percentage: 51.32% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.33%

Wafer 664 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0036

Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:20:46.162896

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 665 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0032

Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:20:46.962050

Defect Class: Edge-Ring
Confidence Score: 0.9942
Defect Percentage: 53.87%

Reason: Defect Percentage: 53.87% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.42%

Wafer 666 Inspection Decision

Wafer ID: Thermal_THERM_01_W0022

Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:20:47.040285

Defect Class: Local
Confidence Score: 1.0000
Defect Percentage: 46.51%

Reason: Defect Percentage: 46.51% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 667 Inspection Decision

Wafer ID: Thermal_THERM_02_W0023
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:20:48.001265

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.68%

Reason: Defect Percentage: 36.68% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 668 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0032
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:20:48.131390

Defect Class: Edge-Loc
Confidence Score: 0.9985
Defect Percentage: 50.44%

Reason: Defect Percentage: 50.44% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.85%

Wafer 669 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0037
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:20:51.326284

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 36.54%

Reason: Defect Percentage: 36.54% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 670 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0037

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:20:51.861211

Defect Class: Center

Confidence Score: 0.9999

Defect Percentage: 52.11%

Reason: Defect Percentage: 52.11% (>40% threshold), Defect Class: Center, Confidence: 99.99%

Wafer 671 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0033

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:20:53.971858

Defect Class: Normal

Confidence Score: 1.0000

Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 672 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0033

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:20:54.219215

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.01%

Reason: Defect Percentage: 33.01% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 673 Inspection Decision

Wafer ID: Thermal_THERM_01_W0023

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:20:56.650044

Defect Class: Center

Confidence Score: 1.0000

Defect Percentage: 48.51%

Reason: Defect Percentage: 48.51% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 674 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0038

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:20:56.977079

Defect Class: Donut

Confidence Score: 0.9996

Defect Percentage: 56.36%

Reason: Defect Percentage: 56.36% (>40% threshold), Defect Class: Donut, Confidence: 99.96%

Wafer 675 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0038

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:20:57.060877

Defect Class: Donut

Confidence Score: 0.9994

Defect Percentage: 54.13%

Reason: Defect Percentage: 54.13% (>40% threshold), Defect Class: Donut, Confidence: 99.94%

Wafer 676 Inspection Decision

Wafer ID: Thermal_THERM_02_W0024

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:20:59.809552

Defect Class: Near-Full

Confidence Score: 0.9999

Defect Percentage: 90.77%

Reason: Defect Percentage: 90.77% (>40% threshold), Defect Class: Near-Full, Confidence: 99.99%

Wafer 677 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0034

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:21:00.409419

Defect Class: Normal

Confidence Score: 0.9999
Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 678 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0034
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:21:01.789509

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.23%

Reason: Defect Percentage: 34.23% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 679 Inspection Decision

Wafer ID: Thermal_THERM_01_W0024
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:21:02.201511

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 34.12%

Reason: Defect Percentage: 34.12% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 680 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0039
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:21:02.609325

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 39.16%

Reason: Defect Percentage: 39.16% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 681 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0039
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:21:02.999230

Defect Class: Edge-Ring
Confidence Score: 0.9962
Defect Percentage: 56.03%

Reason: Defect Percentage: 56.03% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.62%

Wafer 682 Inspection Decision

Wafer ID: Thermal_THERM_02_W0025

Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:21:05.484347

Defect Class: Scratch
Confidence Score: 1.0000
Defect Percentage: 44.15%

Reason: Defect Percentage: 44.15% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 683 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0035
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:21:07.890902

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 684 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0035
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:21:08.061850

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 35.93%

Reason: Defect Percentage: 35.93% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 685 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0040
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:21:08.391988

Defect Class: Edge-Ring
Confidence Score: 0.9871
Defect Percentage: 54.22%

Reason: Defect Percentage: 54.22% (>40% threshold), Defect Class: Edge-Ring, Confidence: 98.71%

Wafer 686 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0040
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:21:08.480117

Defect Class: Donut
Confidence Score: 0.9997
Defect Percentage: 49.31%

Reason: Defect Percentage: 49.31% (>40% threshold), Defect Class: Donut, Confidence: 99.97%

Wafer 687 Inspection Decision

Wafer ID: Thermal_THERM_01_W0025
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:21:12.489460

Defect Class: Edge-Ring
Confidence Score: 0.9735
Defect Percentage: 51.82%

Reason: Defect Percentage: 51.82% (>40% threshold), Defect Class: Edge-Ring, Confidence: 97.35%

Wafer 688 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0041
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:21:13.889091

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 34.23%

Reason: Defect Percentage: 34.23% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 689 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0041

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:21:13.948365

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 31.11%

Reason: Defect Percentage: 31.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 690 Inspection Decision

Wafer ID: Thermal_THERM_02_W0026

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:21:14.063819

Defect Class: Edge-Loc

Confidence Score: 0.9999

Defect Percentage: 48.70%

Reason: Defect Percentage: 48.7% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.99%

Wafer 691 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0036

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:21:14.732274

Defect Class: Scratch

Confidence Score: 0.9999

Defect Percentage: 42.78%

Reason: Defect Percentage: 42.78% (>40% threshold), Defect Class: Scratch, Confidence: 99.99%

Wafer 692 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0036

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:21:15.171776

Defect Class: Normal
Confidence Score: 1.0000
Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 693 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0042
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:21:19.370075

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 32.36%

Reason: Defect Percentage: 32.36% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 694 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0042
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:21:19.808406

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 695 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0037
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:21:19.984401

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.49%

Reason: Defect Percentage: 37.49% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 696 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0037

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:21:21.110553

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 31.11%

Reason: Defect Percentage: 31.11% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 697 Inspection Decision

Wafer ID: Thermal_THERM_02_W0027

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:21:21.650364

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 698 Inspection Decision

Wafer ID: Thermal_THERM_01_W0026

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:21:24.084416

Defect Class: Normal

Confidence Score: 1.0000

Defect Percentage: 38.90%

Reason: Defect Percentage: 38.9% (<=40% threshold), Defect Class: Normal, Confidence: 100.00%

Wafer 699 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0043

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:21:24.739764

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 700 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0043

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:21:25.693583

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.78%

Reason: Defect Percentage: 34.78% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 701 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0038

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:21:26.109386

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 53.37%

Reason: Defect Percentage: 53.37% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 702 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0038

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:21:27.619452

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 703 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0044

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:21:30.490748

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 32.51%

Reason: Defect Percentage: 32.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 704 Inspection Decision

Wafer ID: Thermal_THERM_02_W0028

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:21:30.994428

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 36.89%

Reason: Defect Percentage: 36.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 705 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0044

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:21:31.490310

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 39.16%

Reason: Defect Percentage: 39.16% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 706 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0039

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:21:33.226090

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 46.51%

Reason: Defect Percentage: 46.51% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 707 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0039

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:21:33.468359

Defect Class: Random
Confidence Score: 0.9998
Defect Percentage: 81.99%

Reason: Defect Percentage: 81.99% (>40% threshold), Defect Class: Random, Confidence: 99.98%

Wafer 708 Inspection Decision

Wafer ID: Thermal_THERM_01_W0027
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:21:35.554617

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 38.85%

Reason: Defect Percentage: 38.85% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 709 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0045
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:21:36.008358

Defect Class: Scratch
Confidence Score: 1.0000
Defect Percentage: 44.21%

Reason: Defect Percentage: 44.21% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 710 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0045
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:21:37.435787

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 711 Inspection Decision

Wafer ID: Thermal_THERM_02_W0029
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:21:38.591595

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.44%

Reason: Defect Percentage: 33.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 712 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0040
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:21:39.353877

Defect Class: Random
Confidence Score: 0.9999
Defect Percentage: 0.36%

Reason: Defect Percentage: 0.36% (<=40% threshold), Defect Class: Random, Confidence: 99.99%

Wafer 713 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0040
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:21:39.399133

Defect Class: Center
Confidence Score: 1.0000
Defect Percentage: 57.50%

Reason: Defect Percentage: 57.5% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 714 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0046
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:21:41.434290

Defect Class: Normal
Confidence Score: 0.9996
Defect Percentage: 35.18%

Reason: Defect Percentage: 35.18% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 715 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0046

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:21:43.222376

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.97%

Reason: Defect Percentage: 34.97% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 716 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0041

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:21:44.855462

Defect Class: Near-Full

Confidence Score: 0.9999

Defect Percentage: 96.48%

Reason: Defect Percentage: 96.48% (>40% threshold), Defect Class: Near-Full, Confidence: 99.99%

Wafer 717 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0041

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:21:45.264797

Defect Class: Normal

Confidence Score: 0.9976

Defect Percentage: 37.70%

Reason: Defect Percentage: 37.7% (<=40% threshold), Defect Class: Normal, Confidence: 99.76%

Wafer 718 Inspection Decision

Wafer ID: Thermal_THERM_01_W0028

Decision: FAIL

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:21:45.465543

Defect Class: Local

Confidence Score: 1.0000

Defect Percentage: 49.60%

Reason: Defect Percentage: 49.6% (>40% threshold), Defect Class: Local, Confidence: 100.00%

Wafer 719 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0047

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:21:46.604860

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 720 Inspection Decision

Wafer ID: Thermal_THERM_02_W0030

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:21:48.098062

Defect Class: Normal

Confidence Score: 0.9996

Defect Percentage: 33.89%

Reason: Defect Percentage: 33.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.96%

Wafer 721 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0047

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:21:48.659660

Defect Class: Local

Confidence Score: 0.9614

Defect Percentage: 43.64%

Reason: Defect Percentage: 43.64% (>40% threshold), Defect Class: Local, Confidence: 96.14%

Wafer 722 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0042

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:21:51.339905

Defect Class: Normal

Confidence Score: 0.9995

Defect Percentage: 39.51%

Reason: Defect Percentage: 39.51% (<=40% threshold), Defect Class: Normal, Confidence: 99.95%

Wafer 723 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0042

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:21:51.927259

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 34.56%

Reason: Defect Percentage: 34.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 724 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0048

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:21:52.079189

Defect Class: Donut

Confidence Score: 0.9999

Defect Percentage: 61.37%

Reason: Defect Percentage: 61.37% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 725 Inspection Decision

Wafer ID: Thermal_THERM_01_W0029

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:21:53.158246

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 726 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0048

Decision: FAIL

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:21:54.207016

Defect Class: Random
Confidence Score: 0.9996
Defect Percentage: 74.56%

Reason: Defect Percentage: 74.56% (>40% threshold), Defect Class: Random, Confidence: 99.96%

Wafer 727 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0043
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:21:56.660496

Defect Class: Edge-Loc
Confidence Score: 0.9985
Defect Percentage: 43.08%

Reason: Defect Percentage: 43.08% (>40% threshold), Defect Class: Edge-Loc, Confidence: 99.85%

Wafer 728 Inspection Decision

Wafer ID: Thermal_THERM_02_W0031
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:21:56.684201

Defect Class: Edge-Loc
Confidence Score: 0.9878
Defect Percentage: 50.27%

Reason: Defect Percentage: 50.27% (>40% threshold), Defect Class: Edge-Loc, Confidence: 98.78%

Wafer 729 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0049
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:21:58.084497

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.45%

Reason: Defect Percentage: 33.45% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 730 Inspection Decision

Wafer ID: Thermal_THERM_01_W0030
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:21:58.434086

Defect Class: Normal
Confidence Score: 0.9997
Defect Percentage: 32.36%

Reason: Defect Percentage: 32.36% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 731 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0043
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:21:59.280510

Defect Class: Edge-Ring
Confidence Score: 0.9961
Defect Percentage: 54.24%

Reason: Defect Percentage: 54.24% (>40% threshold), Defect Class: Edge-Ring, Confidence: 99.61%

Wafer 732 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0049
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:22:00.176454

Defect Class: Center
Confidence Score: 1.0000
Defect Percentage: 57.50%

Reason: Defect Percentage: 57.5% (>40% threshold), Defect Class: Center, Confidence: 100.00%

Wafer 733 Inspection Decision

Wafer ID: Thermal_THERM_02_W0032
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:22:02.664807

Defect Class: Edge-Loc
Confidence Score: 0.7343
Defect Percentage: 52.50%

Reason: Defect Percentage: 52.5% (>40% threshold), Defect Class: Edge-Loc, Confidence: 73.43%

Wafer 734 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0050

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:22:03.735317

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 36.69%

Reason: Defect Percentage: 36.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 735 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0044

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:22:04.443708

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.56%

Reason: Defect Percentage: 33.56% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 736 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0044

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:22:04.821620

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 737 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0050

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:22:05.863814

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 738 Inspection Decision

Wafer ID: Thermal_THERM_02_W0033

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_02

Timestamp: 2025-12-27T12:22:08.872548

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 33.52%

Reason: Defect Percentage: 33.52% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 739 Inspection Decision

Wafer ID: Thermal_THERM_01_W0031

Decision: PASS

Machine Type: Thermal

Machine ID: THERM_01

Timestamp: 2025-12-27T12:22:09.013373

Defect Class: Normal

Confidence Score: 0.9998

Defect Percentage: 31.81%

Reason: Defect Percentage: 31.81% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 740 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0051

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:22:09.643683

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 35.74%

Reason: Defect Percentage: 35.74% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 741 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0045

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:22:10.075802

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.01%

Reason: Defect Percentage: 33.01% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 742 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0051
Decision: FAIL

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:22:11.310636

Defect Class: Edge-Loc
Confidence Score: 0.8817
Defect Percentage: 44.18%

Reason: Defect Percentage: 44.18% (>40% threshold), Defect Class: Edge-Loc, Confidence: 88.17%

Wafer 743 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0045
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:22:11.573042

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.44%

Reason: Defect Percentage: 33.44% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 744 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0046
Decision: FAIL

Machine Type: Mechanical
Machine ID: MECH_01
Timestamp: 2025-12-27T12:22:15.349675

Defect Class: Donut
Confidence Score: 0.9999
Defect Percentage: 61.37%

Reason: Defect Percentage: 61.37% (>40% threshold), Defect Class: Donut, Confidence: 99.99%

Wafer 745 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0052
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:22:15.405181

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 746 Inspection Decision

Wafer ID: Thermal_THERM_02_W0034
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:22:16.171603

Defect Class: Normal
Confidence Score: 0.9999
Defect Percentage: 31.07%

Reason: Defect Percentage: 31.07% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 747 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0052
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_02
Timestamp: 2025-12-27T12:22:17.177527

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 37.71%

Reason: Defect Percentage: 37.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 748 Inspection Decision

Wafer ID: Thermal_THERM_01_W0032
Decision: FAIL

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:22:18.084035

Defect Class: Near-Full
Confidence Score: 0.9979
Defect Percentage: 95.53%

Reason: Defect Percentage: 95.53% (>40% threshold), Defect Class: Near-Full, Confidence: 99.79%

Wafer 749 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0046

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_02

Timestamp: 2025-12-27T12:22:18.698378

Defect Class: Scratch

Confidence Score: 1.0000

Defect Percentage: 43.08%

Reason: Defect Percentage: 43.08% (>40% threshold), Defect Class: Scratch, Confidence: 100.00%

Wafer 750 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0053

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_01

Timestamp: 2025-12-27T12:22:20.682819

Defect Class: Normal

Confidence Score: 0.9997

Defect Percentage: 34.71%

Reason: Defect Percentage: 34.71% (<=40% threshold), Defect Class: Normal, Confidence: 99.97%

Wafer 751 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0047

Decision: PASS

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:22:22.574861

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 37.90%

Reason: Defect Percentage: 37.9% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 752 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0053

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:22:23.181442

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 33.69%

Reason: Defect Percentage: 33.69% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Wafer 753 Inspection Decision

Wafer ID: Mechanical_MECH_02_W0047
Decision: PASS

Machine Type: Mechanical
Machine ID: MECH_02
Timestamp: 2025-12-27T12:22:25.192452

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.01%

Reason: Defect Percentage: 33.01% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 754 Inspection Decision

Wafer ID: Electrical_ELEC_01_W0054
Decision: PASS

Machine Type: Electrical
Machine ID: ELEC_01
Timestamp: 2025-12-27T12:22:25.809080

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 38.39%

Reason: Defect Percentage: 38.39% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 755 Inspection Decision

Wafer ID: Thermal_THERM_01_W0033
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_01
Timestamp: 2025-12-27T12:22:27.838087

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 33.33%

Reason: Defect Percentage: 33.33% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 756 Inspection Decision

Wafer ID: Thermal_THERM_02_W0035
Decision: PASS

Machine Type: Thermal
Machine ID: THERM_02
Timestamp: 2025-12-27T12:22:28.132987

Defect Class: Normal
Confidence Score: 0.9998
Defect Percentage: 32.88%

Reason: Defect Percentage: 32.88% (<=40% threshold), Defect Class: Normal, Confidence: 99.98%

Wafer 757 Inspection Decision

Wafer ID: Mechanical_MECH_01_W0048

Decision: FAIL

Machine Type: Mechanical

Machine ID: MECH_01

Timestamp: 2025-12-27T12:22:28.773951

Defect Class: Random

Confidence Score: 0.9997

Defect Percentage: 82.02%

Reason: Defect Percentage: 82.02% (>40% threshold), Defect Class: Random, Confidence: 99.97%

Wafer 758 Inspection Decision

Wafer ID: Electrical_ELEC_02_W0054

Decision: PASS

Machine Type: Electrical

Machine ID: ELEC_02

Timestamp: 2025-12-27T12:22:28.875359

Defect Class: Normal

Confidence Score: 0.9999

Defect Percentage: 34.89%

Reason: Defect Percentage: 34.89% (<=40% threshold), Defect Class: Normal, Confidence: 99.99%

Batch Summary

Total wafers: 758

PASS: 523 | **FAIL:** 235

PASS rate: 69.0%

Top 5 Highest Defect Percentages

- Electrical_ELEC_02_W0018 (Electrical): 98.04% [Near-Full]
- Electrical_ELEC_02_W0035 (Electrical): 98.03% [Near-Full]
- Mechanical_MECH_02_W0041 (Mechanical): 96.48% [Near-Full]
- Thermal_THERM_01_W0032 (Thermal): 95.53% [Near-Full]
- Thermal_THERM_01_W0022 (Thermal): 94.31% [Near-Full]

Distribution by Machine Type

- Electrical: 302 wafers
- Mechanical: 261 wafers
- Thermal: 195 wafers

Distribution by Defect Class

- Normal: 519 wafers
- Donut: 37 wafers
- Edge-Ring: 35 wafers
- Local: 34 wafers
- Edge-Loc: 33 wafers
- Random: 31 wafers
- Near-Full: 25 wafers
- Scratch: 25 wafers
- Center: 19 wafers

AI-Enhanced Engineering Summary

The batch yield is currently at 69%, with a significant number of failures primarily due to Near-Full defect class wafers across all machine types. The worst defects are concentrated in the Near-Full category, with multiple wafers showing defect percentages above 90%, indicating severe contamination or process issues. Mechanical, Electrical, and Thermal machines all contribute to the defect distribution, suggesting a systemic issue rather than a single equipment failure.

Estimated batch yield impact: High

Key Risks

- High Near-Full defect rate causing substantial yield loss
- Defects spread across multiple machine types indicating systemic process issues
- Potential contamination or process instability affecting wafer quality

Recommended Actions

- Perform root cause analysis focusing on Near-Full defect sources
- Inspect and calibrate all machine types for process deviations

- Increase monitoring and implement tighter contamination controls
- Review and optimize process parameters to reduce defect generation