

# Predictive Maintenance Dashboard

AI-powered equipment health monitoring and failure prediction

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Use Case: predictive-maintenance

## Executive Summary

Total Equipment: 50  
Operational: 36  
Requiring Attention: 14  
Maintenance Due (7 days): 2  
Average Health Score: 81.1%  
Average Efficiency: 81.6%

## Critical Equipment Alerts

Equipment ID	Name	Status	Health Score	Location	Department	Days Until Maintenance	Action
EQ-00007	Welder 7	WARNING	64.9%	Building 1, Floor 1	Warehouse	49	Schedule Maintenance
EQ-00012	Injection Molder 12	WARNING	61.6%	Building 2, Floor 1	Packaging	11	Schedule Maintenance
EQ-00017	Welder 17	WARNING	67.8%	Building 1, Floor 2	Machining	26	Schedule Maintenance
EQ-00018	Welder 18	WARNING	69.4%	Building 2, Floor 1	Warehouse	56	Schedule Maintenance
EQ-00021	Injection Molder 21	WARNING	68.0%	Building 3, Floor 3	Warehouse	2	Schedule Maintenance
EQ-00022	Welder 22	WARNING	66.6%	Building 1, Floor 2	Assembly	84	Schedule Maintenance
EQ-00025	Assembly Robot 25	WARNING	63.2%	Building 2, Floor 2	Warehouse	67	Schedule Maintenance
EQ-00027	Press 27	WARNING	63.9%	Building 3, Floor 1	Assembly	57	Schedule Maintenance
EQ-00031	CNC Machine 31	WARNING	69.5%	Building 2, Floor 1	Machining	4	Schedule Maintenance
EQ-00033	Conveyor 33	WARNING	68.3%	Building 1, Floor 2	Machining	47	Schedule Maintenance

Predictive

## Insights

- ML model predicts 3 potential failures in the next 14 days
- Vibrati on analysis indicates bearing wear on CNC Machine 12
- Tempe rature anomaly detected in Injection Molder 5
- Recom mended spare parts inventory increase for critical components
- Mainte nance schedule optimization can reduce downtime by 23%
- Energy cons umption patterns suggest efficiency im provements possible