PRODUCTION ANALYSIS

Machine ID: All

Total Units Produced

150K

Average Production Time (hr)

12.40
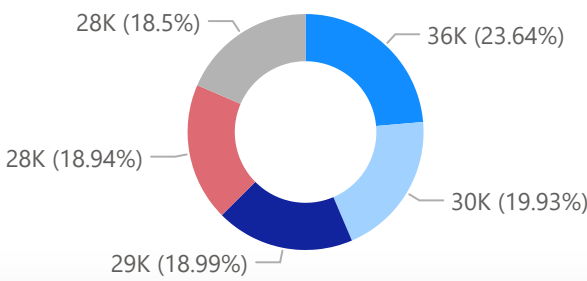
Defect Rate (%)

3.62

Average Downtime (hr)

1.53

Distribution of Units Produced by Product Type

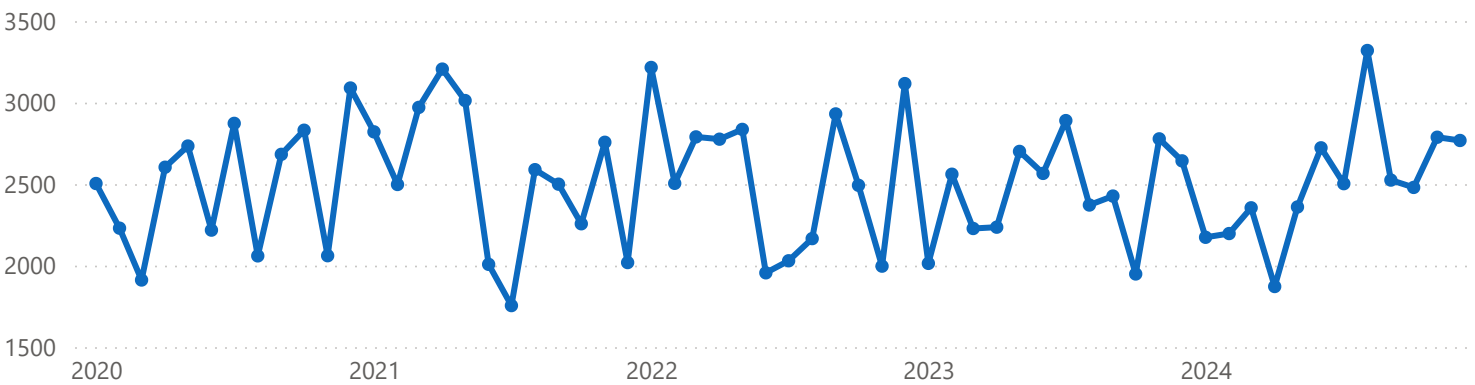●Automotive ●Furniture ●Textiles ●Electronics ●Appliances

- 28K (18.5%)
- 36K (23.64%)
- 30K (19.93%)
- 29K (18.99%)
- 28K (18.94%)

Distribution of Units Produced by Shift
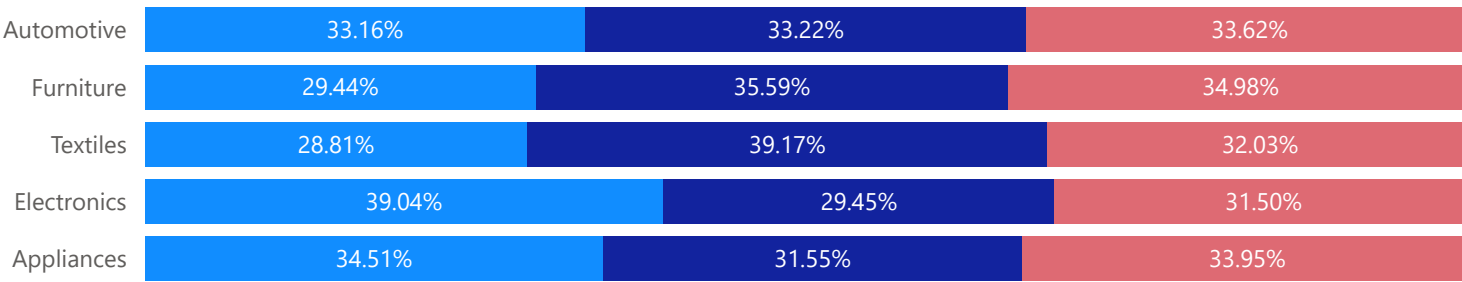
●Night ●Swing ●Day

- 50K (32.95%)
- 51K (33.8%)
- 50K (33.25%)
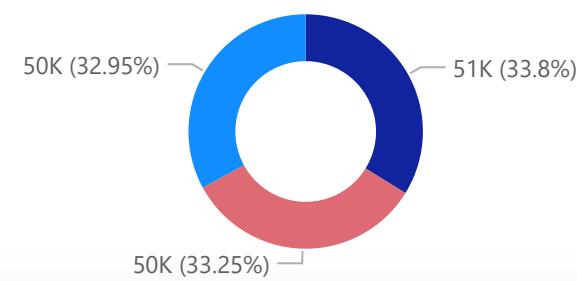
Monthly Production Trends (Units Produced Over Time)

Shift-wise Production by Product Type

●Day ●Night ●Swing

Product Type	Day	Night	Swing
Automotive	33.16%	33.22%	33.62%
Furniture	29.44%	35.59%	34.98%
Textiles	28.81%	39.17%	32.03%
Electronics	39.04%	29.45%	31.50%
Appliances	34.51%	31.55%	33.95%

Production Metrics by Product Type

Product Type	Average_Unit_Produced	Average Cost Per Unit	Total Defects	Production Time Hours	Down time Hours
Furniture	125	32.10	1113	3,132.13	375.35
Electronics	126	31.16	1067	2,782.71	336.80
Automotive	130	29.78	1295	3,383.28	423.19
Textiles	129	29.64	984	2,785.49	336.44
Appliances	126	29.34	983	2,564.35	340.37

COST ANALYSIS

Machine ID: [All ▾]

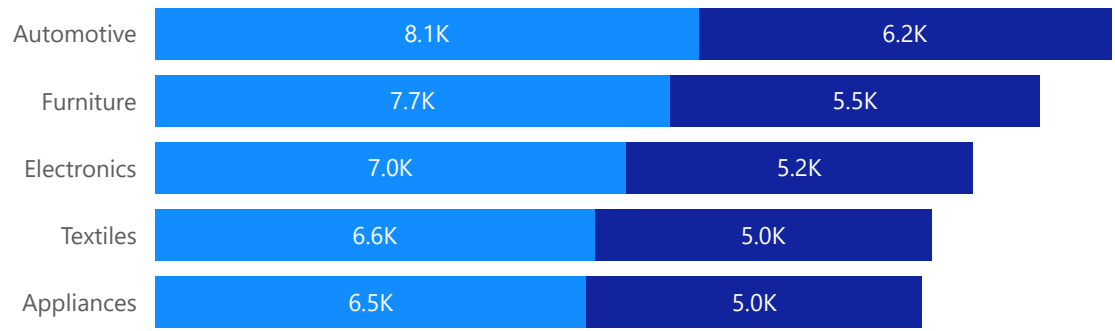| Total Labor Cost	Total Material Cost	Cost per Unit Produced	Energy Consumption (kWh)
26.95K	**35.91K**	**0.42**	**356.02K**

Monthly Energy Consumption Trends (kWh)
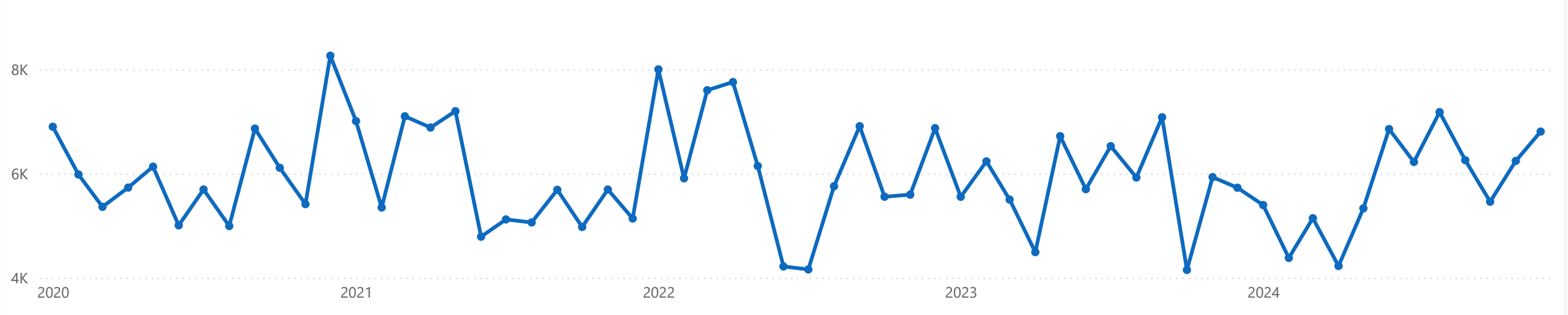
Labor and Material Costs by Product Type

● Total Material Cost ● Total Labor Cost

Product Type	Total Material Cost	Total Labor Cost
Automotive	8.1K	6.2K
Furniture	7.7K	5.5K
Electronics	7.0K	5.2K
Textiles	6.6K	5.0K
Appliances	6.5K	5.0K

Labor and Material Costs by Shift

● Total Material Cost ● Total Labor Cost

Shift	Total Material Cost	Total Labor Cost
Night	12.6K	9.3K
Swing	11.8K	8.9K
Day	11.5K	8.8K
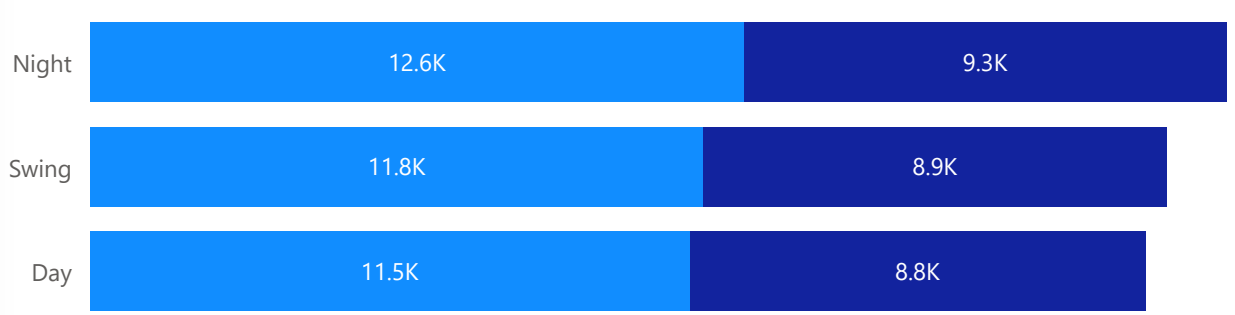
QUALITY CONTROL ANALYSIS

Machine ID: All ▼

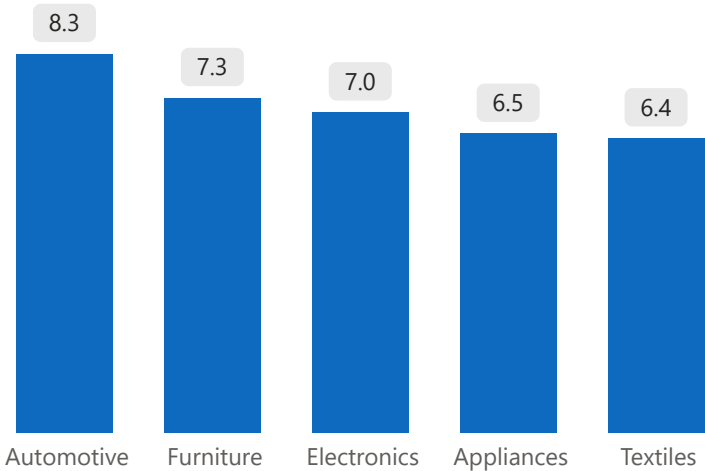| Quality Checks Failed	Scrap Rate (%)	Rework Hours	Average Defects per Shift
1K	3.01	1.18K	4.61

Quality Checks Failed by Product Type

Automotive	Furniture	Textiles	Electronics	Appliances
270	248	220	214	211
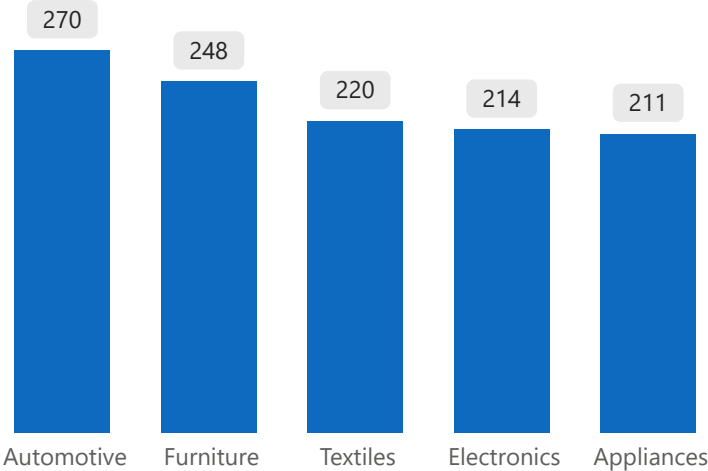
Defects and Failed Quality Checks by Shift

● Total Defects ● Quality Checks Failed

Shift	Total Defects	Quality Checks Failed
Night	1879	401
Day	1825	364
Swing	1738	398
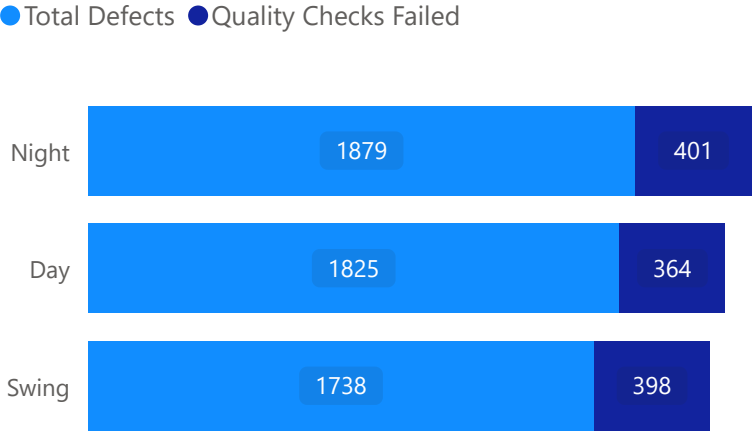
Scrap Rate by Product Type (%)

Automotive	Furniture	Electronics	Appliances	Textiles
8.3	7.3	7.0	6.5	6.4

Defects and Units Produced by Product Type (%)

● Total Defects ● Total Units Produced

	Total Units Produced
Automotive	96.49%
Furniture	96.42%
Electronics	96.39%
Textiles	96.67%
Appliances	96.59%
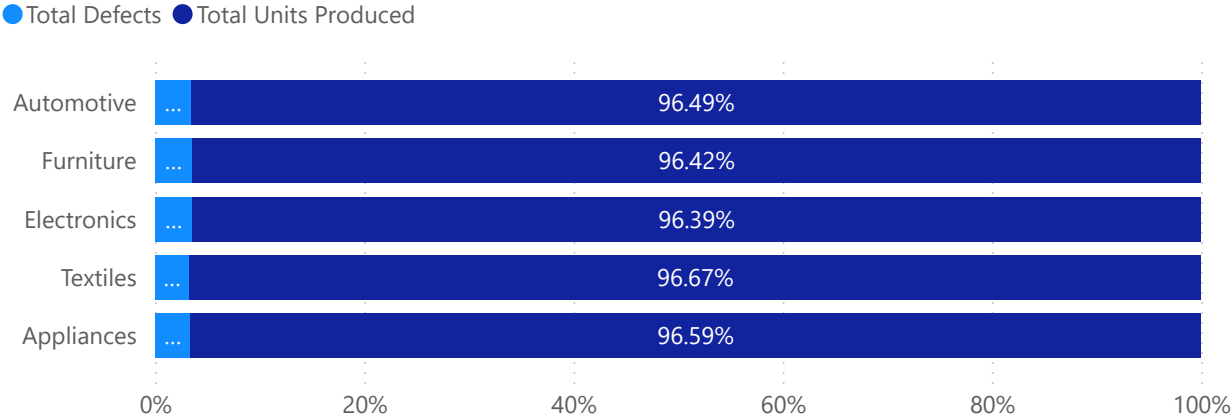
Defects vs. Average Temperature (°C)

Average Temperature (°C)