

Manufacturing KPIs

Quick Reference Guide



Manufacturing KPIs are clearly defined metrics that help you monitor, analyze, and optimize production processes across quantity, quality, and cost. By consistently tracking the right KPIs, you can deliver higher quality products, maximize resource efficiency, and enhance profitability.

While hundreds of KPIs are available, here's a curated set of proven metrics—handpicked by Silvonn based on 30+ years of experience helping manufacturers drive measurable results.

Financial

Net Operating Profit
Manufacturing Cost per Unit
Contribution Margin
Return on Equity (ROE)
Cash-to-Cash Cycle Time (CCC)
Return on Assets (ROA)
Cost of Goods Sold (COGS)
Productivity per Employee

Inventory

Inventory Turnover Rate
Inventory Carrying Cost
Average Inventory
Fill Rate
Stock-Outs
Available Inventory Accuracy
Quality Assurance
Days Inventory Outstanding (DIO)
Service Level
Stock to Sales Ratio

Maintenance & Asset Performance

Equipment Downtime
Asset Utilization
Mean Time to Repair
Mean Time Between Failures
Mean Time to Failure
Percentage Maintenance Planned
Planned vs. Urgent Maintenance Orders
Machine Set-Up Time
Avoided Costs

Productivity

Overall Equipment Effectiveness (OEE)
Cycle Time Throughput
Production Attainment
Capacity Utilization
Changeover Time
Takt Time

Customer Experience

Customer Satisfaction Score (CSAT)
On-Time Delivery to Customer
Net Promoter Score (NPS)
Average Resolution Time

Quality

Yield
First Pass Yield
Perfect Order Rate
Scrap Rate
Supplier's Defect Rate
Customer Reject Rate
Cost of Quality (COQ)