

1. Factory Overview Dashboard

- What is the total number of units produced? (12M)
- What is the total downtime? (135K minutes)
- What is the overall performance percentage? (0.12%)
- How are units distributed by day?
- What is the production distribution by product type?
- What is the performance of each machine?
- Which machine has the highest downtime?
- What is the relationship between production and downtime for each machine?

2. Machine Performance Analysis Dashboard

- What is the actual speed? (5.53K)
- What is the quality percentage? (36.92%)
- What is the performance percentage? (0.12%)
- How did actual speed change over days?
- What is the gap between actual and target speed?
- What is the ranking of machines by downtime?
- What is the performance and quality of each individual machine?

3. OEE Detailed Analysis Dashboard

- What is the reject rate? (-35.92%)
- What are the production hours? (2.24K hours)
- What is the first OEE category? (CC - Changeover Cleaning)
- How is downtime distributed by OEE category?
- How did the count of OEE codes change over days?
- What is the downtime for each machine?
- What is the relationship between quality, performance, and machine count by product?

4. Product Quality & Production Dashboard

- What is the number of good units? (458M)
- What is the number of rejected units? (446M)
- What is the overall quality percentage? (36.92%)
- How are rejected units distributed by product?
- What is the comparison between good and rejected units for each product?
- What is the quality percentage by machine?
- How did quality percentage change over days?

5. Production Insights Dashboard

- What is the target speed? (47.76K)
- What is the product share percentage? (1.00)
- What are the production minutes? (135K minutes)
- How are good units distributed over days?
- How are rejected units distributed over days?
- What are the production hours for each product?
- What is each product's share of total production?

Cross Dashboard Analytical Questions:

- Which products have the highest production but lowest quality?
- Which machines need urgent maintenance?
- What are the root causes of low overall efficiency?
- Which days were most/least productive?
- What is the correlation between downtime and quality percentage?
- How does machine performance impact product quality?
- What is the overall equipment effectiveness (OEE) trend?
- Which OEE categories contribute most to losses?