

Manufacturing Operation Performance Analysis

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overview

Quality overview

Production
efficiency

Machine
performance

Worker Efficiency

Total Machine

10

Total Worker

10

Good Units Production

3155

Defective Production

175

Total Breakdowns

100

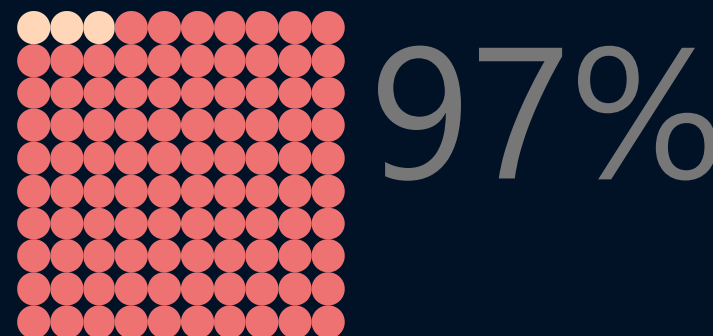
Total Idles

100

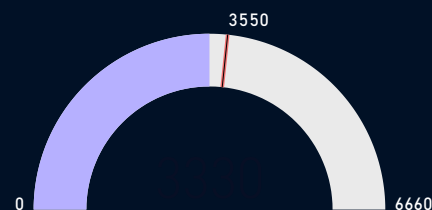
Actual Units Produced



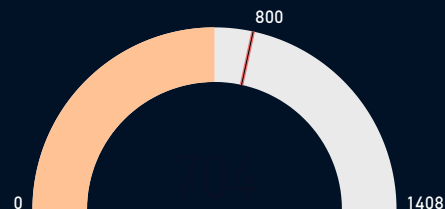
Overview of Production Quality



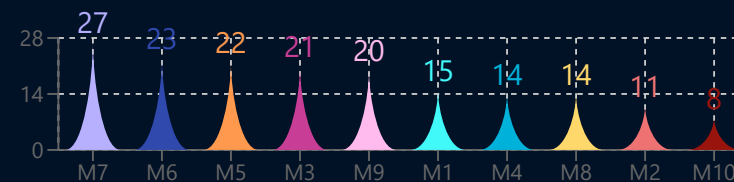
Total Unit Planned vs Actual Comparison



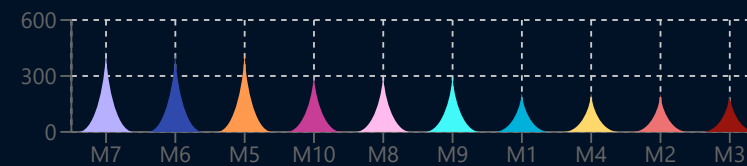
Total Unit Production Time vs Actual Comparison



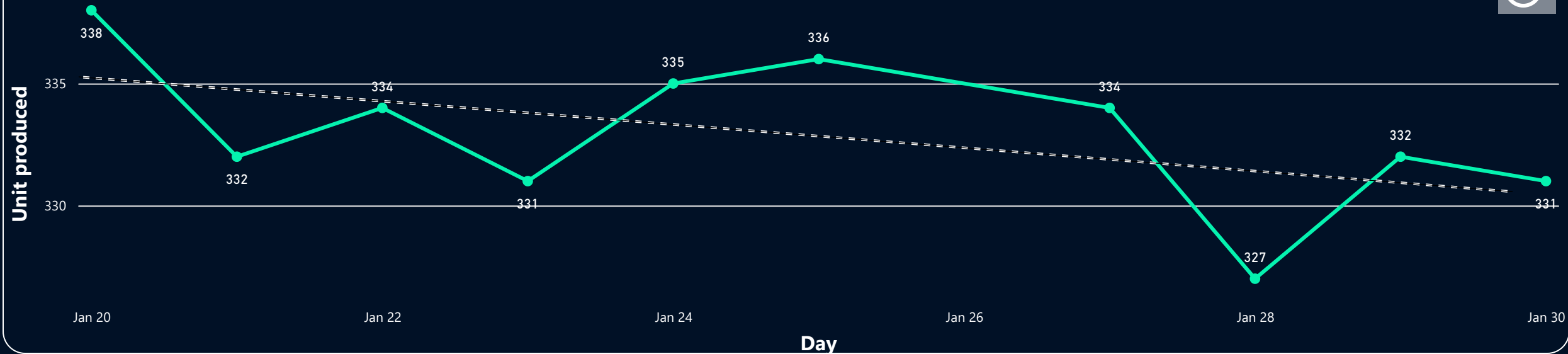
Defective Units Production Per Machines



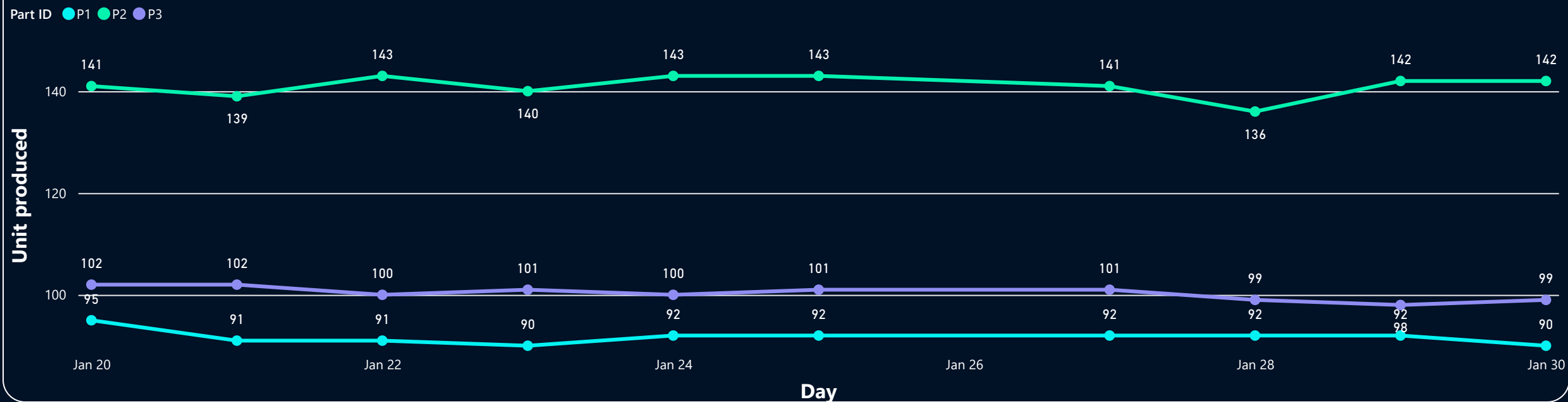
Good Units Production Per Machines



Actual Units Produced per Day (Trend)

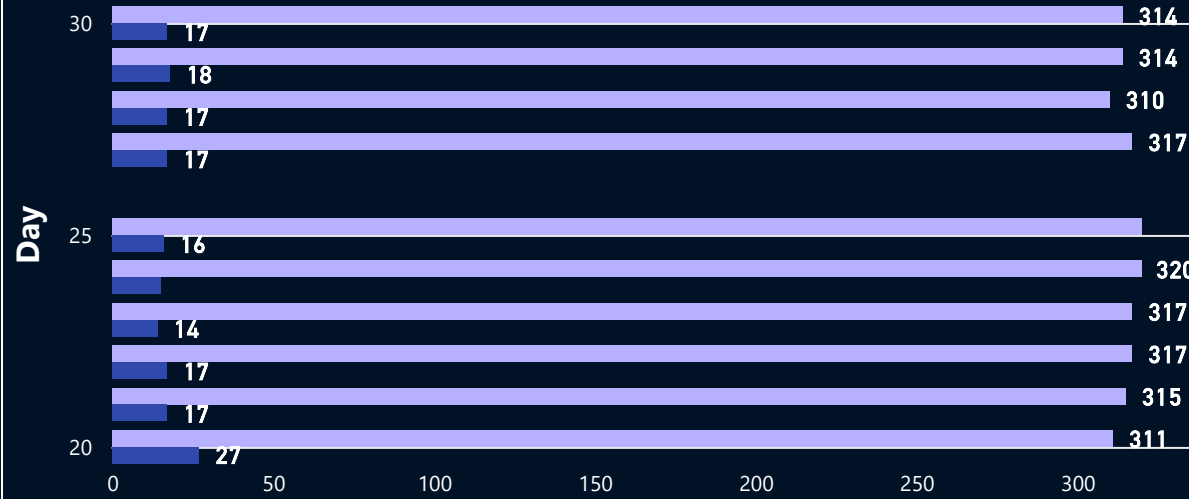


Actual Units Produced per Day in different plants



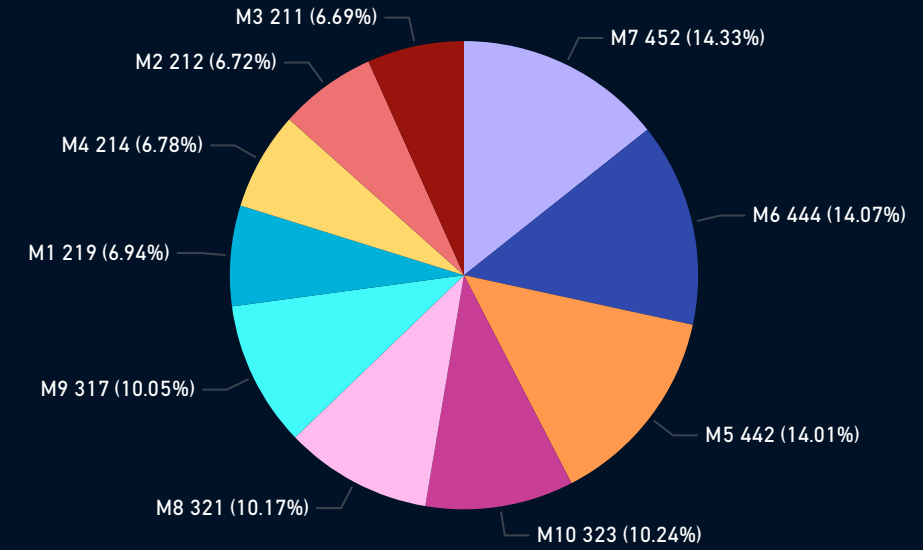
Quality Overview Per Day

● Sum of Good Units ● Sum of Defected Units



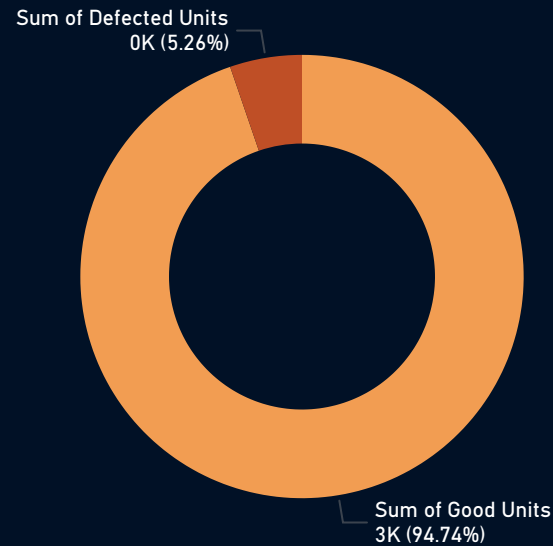
Good unit Vs Defected unit

Machine producing Good product

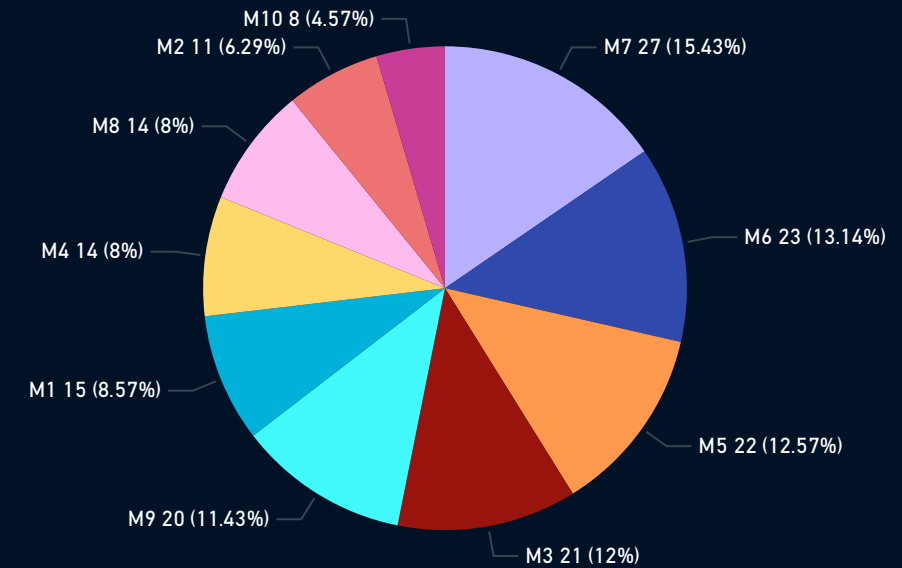


Overview of whole production quality

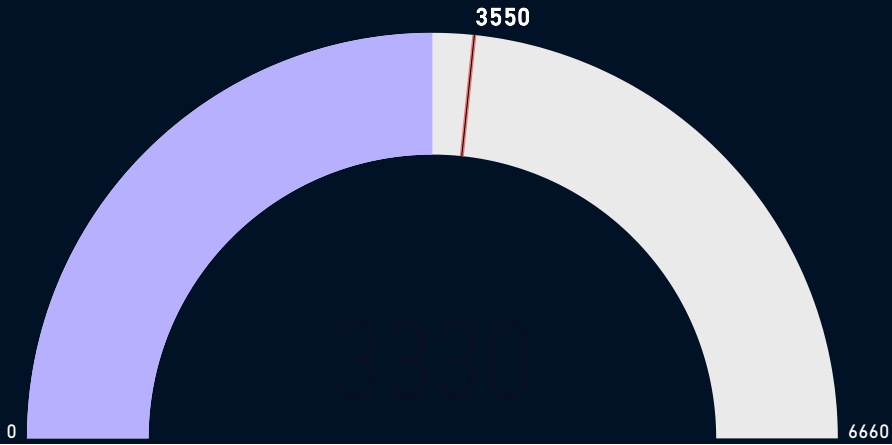
Quality of whole production ● Sum of Good Units ● Sum of Defected Units



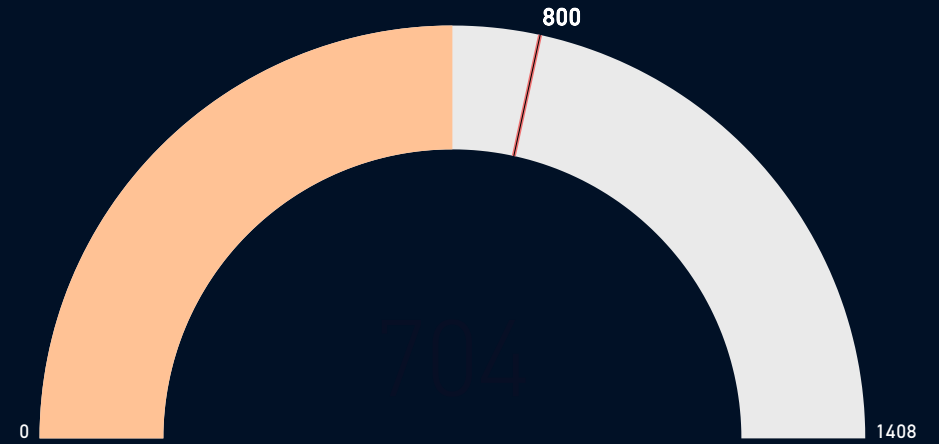
Machine producing Defected product



Total Unit Planned vs Actual Comparison

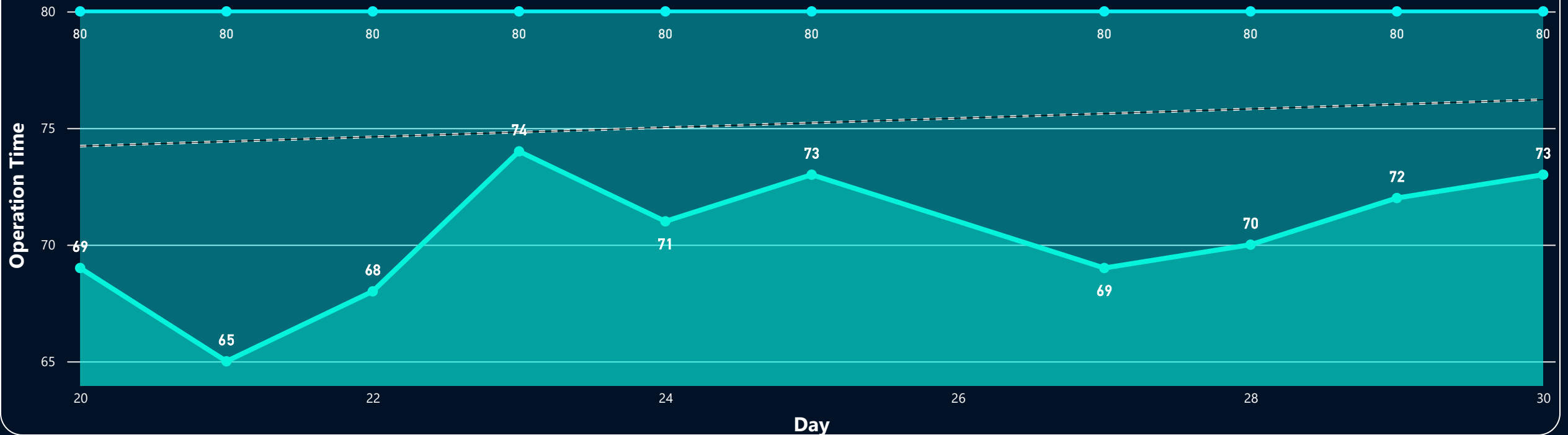


Total Unit Production Time vs Actual Comparison



Production efficiency (Planned Vs Actual)

● Sum of Planned Operations Time ● Sum of Actual Operations Time

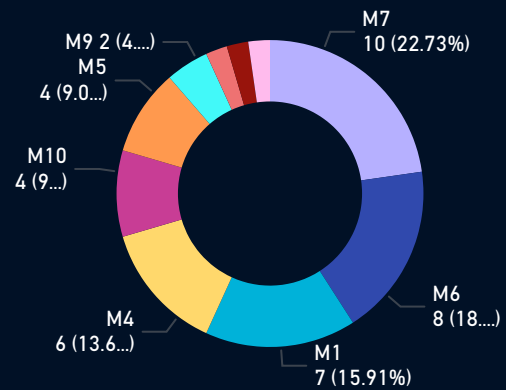


Machine Performance



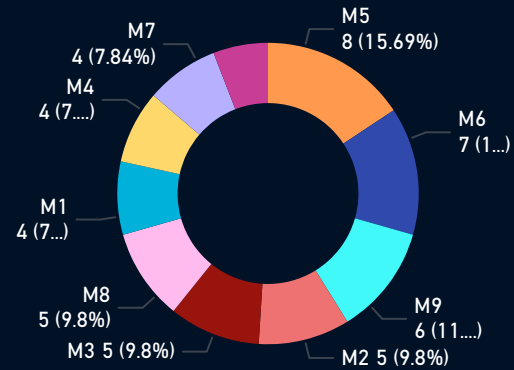
Machine's Breakdown Time

Machine ID ● M7 ● M6 ● M1 ● M4 ● M10 ● M5 ▶



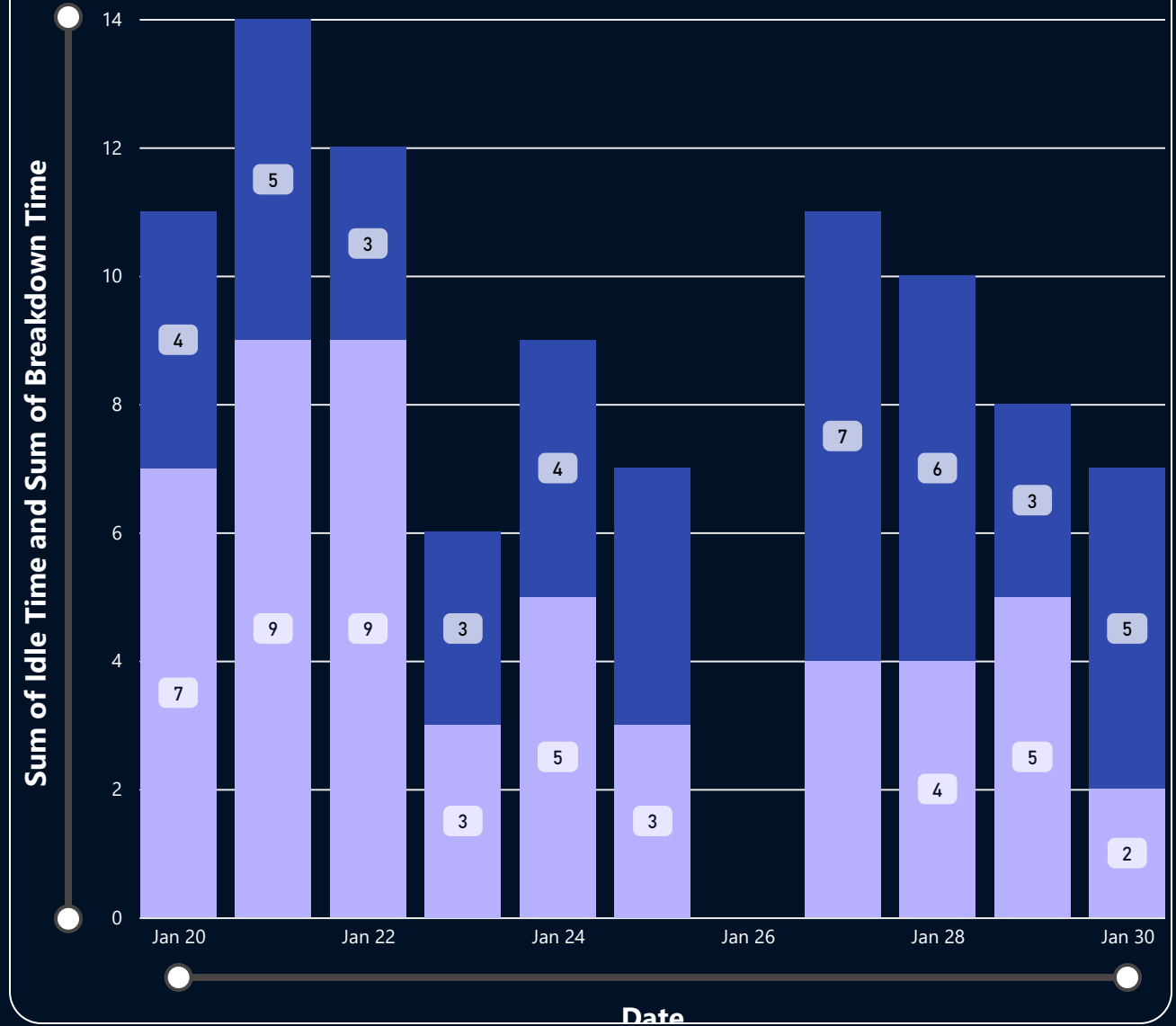
Machine's Idle Time

Machine ID ● M5 ● M6 ● M9 ● M2 ● M3 ● M8 ▶



Idle Time and Breakdown Time Analysis

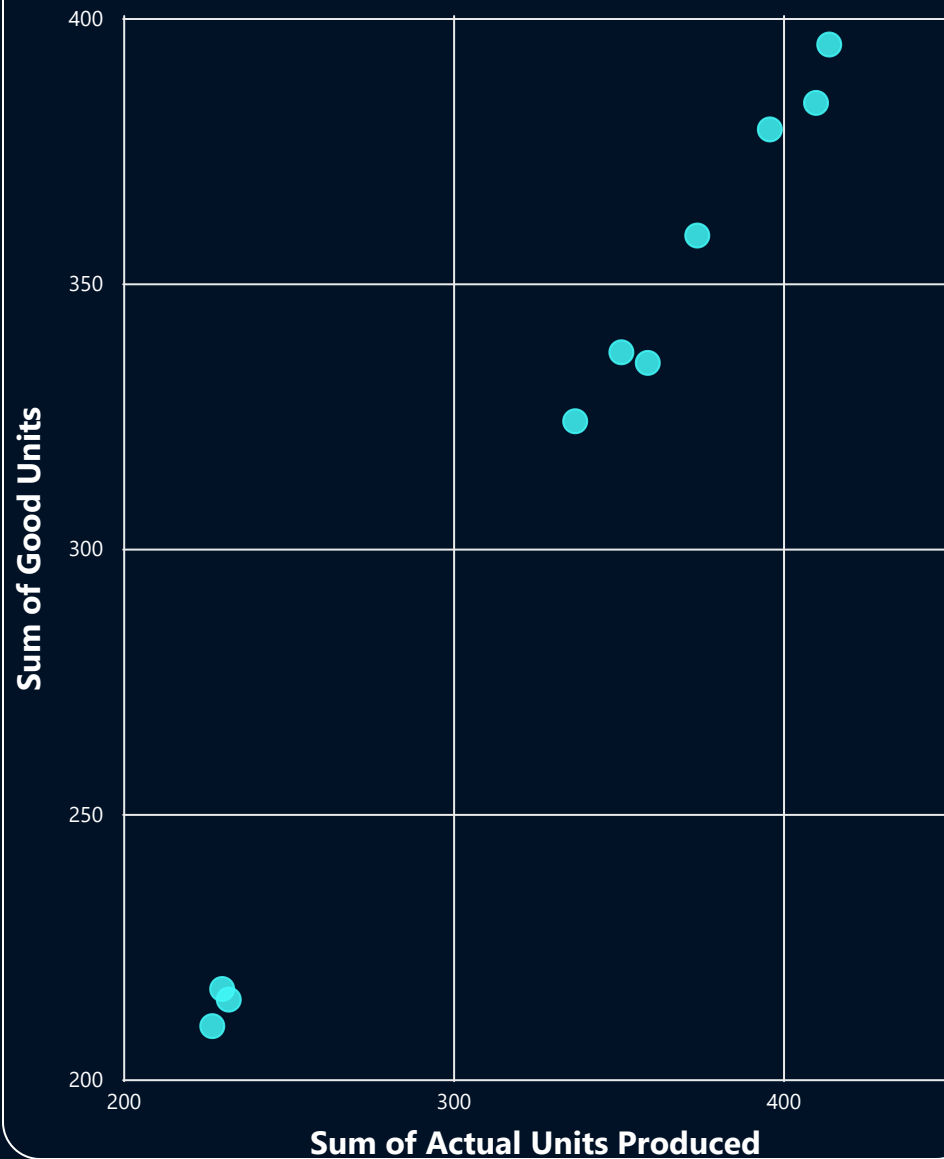
Time ● Sum of Idle Time ● Sum of Breakdown Time



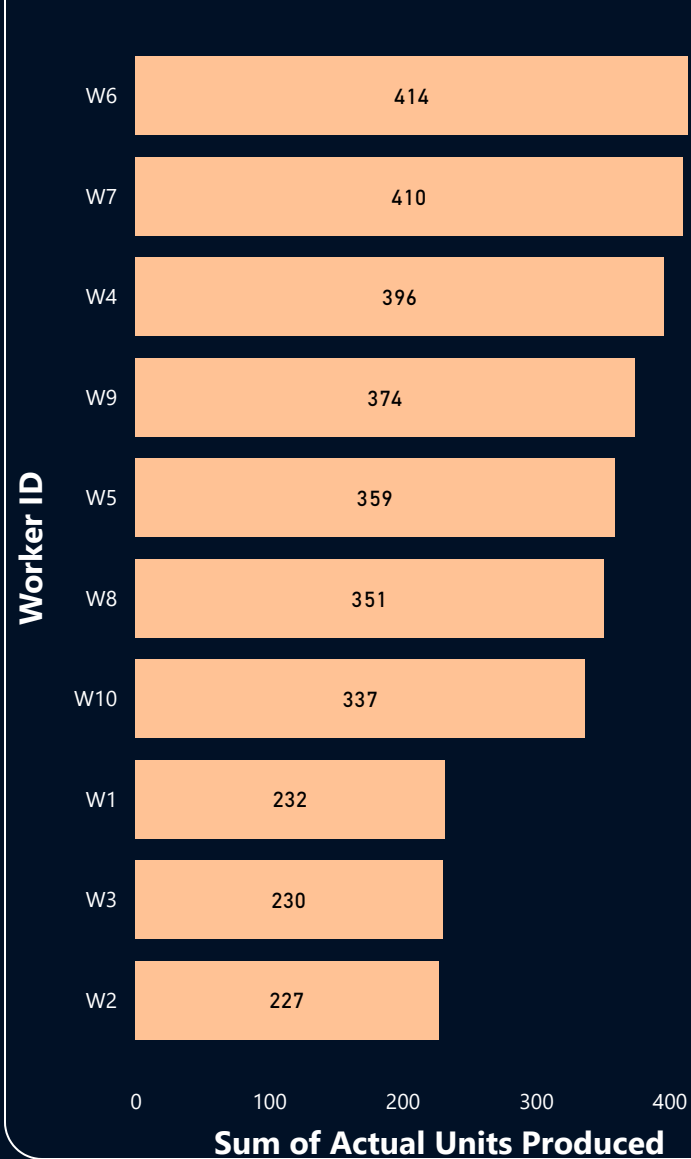
Worker Efficiency



Correlation Between Worker and Production



Actual Units Produced by Worker



Actual Operations Time by Worker

