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The OpsDog Manufacturing & Production Benchmarking Report

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Report Details & Methodology
The OpsDog Manufacturing & Production Benchmarking Report

More than 750 KPI values (i.e., data points) were analyzed to produce benchmarks for the 20 KPIs included in this report.¹


The benchmarks included in this report were found to be comparable across companies of varying sizes (i.e., number of employees, total revenue) and industry segments. Benchmarks with notable differences across industries include industry average call-outs.

Methodology: Data Collection & Validation

1. Gather
OpsDog’s analysis team aggregates data collected through traditional consulting engagements and targeted research.

2. Refine
Aggregated data is standardized, categorized and run through multiple validation checkpoints prior to being stored in our database.

3. Package
We analyze and compile comparable data, then package our findings in the form of benchmarking reports and data sets.

Looking for customized research and analysis? Contact our research team. P: 844.650.2888 E: info@opsdog.com

Note:
¹ The sample size of the observed data varies for each KPI.
The Manufacturing & Assembly function is responsible for the creation of finished products/goods. Manufacturing methods depend on the product being created, corporate strategy and consumer demand. Possible methods include just-in-time manufacturing, lean manufacturing, rapid manufacturing, agile manufacturing or mass-customization.
First Pass Yield (FPY)

Definition & Measurement Details

What is First Pass Yield (FPY)?

The number of good units produced (output) by a manufacturing process without any rework divided by the total number of units that went into production (input) over the same period of time, as a percentage.

Why should this KPI be measured?

First Pass Yield (FPY) is an indicator that gauges the production and quality performance of a Manufacturing group, based on the number of good vs. defective units produced. It can be an excellent measure of a company's progress in continuous improvement efforts, since continuous improvement is often concentrated on the reduction of inefficiencies and waste.

Two relatively low values for this KPI may suggest that the Manufacturing function is using flawed materials for its production inputs, has ineffective manufacturing processes or is utilizing faulty machinery. A low value for FPY will lead to high scrap costs and rework costs. An FPY that is constantly fluctuating indicates that the company does not have reliable manufacturing processes in place and may not be able to meet demand or fulfill customer orders on a consistent basis.

FPY is also one of the components of Overall Equipment Effectiveness (OEE).

How is this KPI calculated?

Two values are used to calculate this KPI: (1) the number of good units that the Manufacturing function produces, and (2) the total number of units that go into the manufacturing process during the measurement period. Good units are defined as units that pass inspection and are approved for sale or use as a component in another production run. The measurement of this KPI can be segmented by company, product, factory, etc. The number of units that go into the manufacturing process is defined as the number of units that would be produced if none of the output units are scrapped or reworked. Do not include any units that are scrapped or reworked in the numerator of this calculation.
**First Pass Yield (FPY)**

*Benchmarks & Characteristics of High Performers*

**First Pass Yield (FPY)**

(Number of Good Units Produced / Total Number of Units Going Into Production) * 100

**How to read this chart:** This chart summarizes the performance gaps between high (Top 5%), mid (Median) and low (Bottom 5%) performers for this Key Performance Indicator (KPI). For example, the column labeled “Top 5%” represents a company that outperformed 95% of the peer group observed for this metric.

**Characteristics of High Performers**

- KPIs are well-defined, tracked and tied to performance reviews
- Robust self-service options for customer (online FAQs, etc.)
- Agents cross-trained to handle and resolve multiple call types
- KPIs are well-defined, tracked and tied to agent performance reviews

**Sample Size:** XX
**KPI Type:** XX
**Unit:** XX
**Is High or Low Best?:** XX

**SAMPLE CONTENT**

Purchase to View Actual Benchmarking Data!