

## OVERALL EQUIPMENT EFFECTIVENESS (OEE)

Overall equipment effectiveness (OEE) is a metric used to measure the overall efficiency of manufacturing equipment.

It can also be measured on a group of machines within a factory or across a company with several factories.

OEE is used to determine how to improve productivity over time.



An OEE score consists of the percentage multiplication of three components - availability, quality and performance - based on the following formulas:



Availability =
(Charging Time Downtime) / Charging
Time



Quality Rate = (Cycle time X No. of good parts) / Total Count



Yield = (Ideal Cycle Time X No. of Parts) / Gross Time