

Introduction to OEE Report for AMTDC Machines

The Overall Equipment Effectiveness (OEE) is a metric used to evaluate the efficiency of manufacturing equipment, taking into account factors such as availability, performance, and quality. This report provides an overview of the current OEE for AMTDC machines, including detailed insights, trends, and comparisons.

Current OEE Overview

The current OEE data for AMTDC machines is presented in the following table, which includes the OEE ID, timestamp, OEE value, availability, performance, and quality for each entry.

OEE ID	Timestamp	OEE	Availability	Performance	Quality
OEE816275	2025-01-01T10:00:00Z	0.835	0.967	0.912	0.947
OEE475653	2025-01-02T15:00:00Z	0.671	0.9	0.766	0.973
OEE148040	2025-01-03T09:00:00Z	0.659	0.828	0.833	0.956
OEE597373	2025-01-04T17:00:00Z	0.698	0.895	0.796	0.98
OEE380757	2025-01-05T16:00:00Z	0.671	0.793	0.925	0.915
OEE900847	2025-01-06T15:00:00Z	0.557	0.783	0.754	0.944
OEE494447	2025-01-07T18:00:00Z	0.723	0.944	0.842	0.909
OEE611095	2025-01-08T17:00:00Z	0.707	0.962	0.753	0.976
OEE585146	2025-01-09T13:00:00Z	0.773	0.978	0.877	0.901
OEE986357	2025-01-10T08:00:00Z	0.791	0.932	0.914	0.928
OEE639536	2025-01-11T15:00:00Z	0.662	0.908	0.764	0.955
OEE756116	2025-01-12T12:00:00Z	0.875	0.959	0.931	0.98
OEE557496	2025-01-13T11:00:00Z	0.734	0.928	0.816	0.969
OEE719261	2025-01-14T11:00:00Z	0.75	0.961	0.836	0.934
OEE487822	2025-01-15T18:00:00Z	0.738	0.92	0.881	0.91
OEE503385	2025-01-16T10:00:00Z	0.754	0.898	0.845	0.994
OEE830151	2025-01-17T09:00:00Z	0.653	0.843	0.803	0.965
OEE219532	2025-01-18T16:00:00Z	0.714	0.786	0.921	0.986
OEE147204	2025-01-19T14:00:00Z	0.638	0.83	0.776	0.991
OEE214529	2025-01-20T08:00:00Z	0.754	0.884	0.866	0.985

Average OEE for AMTDC Machines

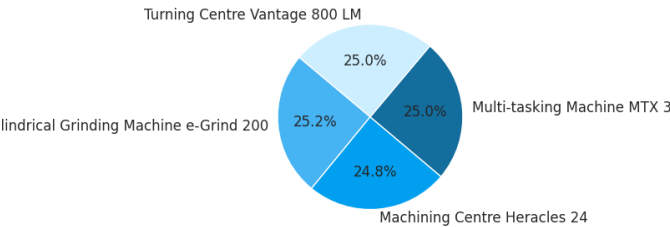
The average OEE for AMTDC machines is calculated to be 0.7112787610619471. This suggests that, on average, the machines are operating at about 71% of their potential capacity.

Top Performing Equipment by OEE

The top performing equipment by OEE for AMTDC machines are listed in the following table, along with their average OEE values.

Equipment Name	Average OEE
Cylindrical Grinding Machine e-Grind 200	0.7161592920353984
Turning Centre Vantage 800 LM	0.711871681415929
Multi-tasking Machine MTX 300	0.7114999999999998
Machining Centre Heracles 24	0.7055840707964605

Pie Chart



Average Availability, Performance, and Quality

The average availability, performance, and quality for AMTDC machines are calculated as follows:

- Average Availability: 0.8803550884955751
- Average Performance: 0.852466814159292
- Average Quality: 0.9478263274336293

These values indicate that the machines are generally available and performing well, but there may be opportunities for improvement in terms of reducing downtime and increasing productivity.

Conclusion

The OEE report for AMTDC machines provides valuable insights into the efficiency and effectiveness of the manufacturing equipment. By analyzing the data, we can identify areas for improvement, optimize production processes, and increase overall productivity. The top performing equipment by OEE can serve as a benchmark for other machines, and the average availability, performance, and quality values can help guide maintenance and quality control efforts.