

Case Study

Industry 4.0 isn't just a technological innovation -- it's the future of manufacturing!

Background

Accurate Industries is a premier plastics manufacturer specialising in automotive components since 2006. They are one of the top-ranked suppliers to some of the world's biggest two-wheeler manufacturers, and have an admirable reputation for reliability and quality. Accurate Industries operates 40+ injection molding machines of different OEMs deployed across their multiple plants.

Challenges

Accurate Industries operates in an extremely competitive and demanding environment that puts constant pressure on their margins. The management team realised that while its traditional methods, processes, and systems were effective, the fast-changing, global and highly competitive business environment required it to adopt the technological innovation - Industry 4.0 - to stay competitive.

Solution

The company deployed EcoAxis' axisPLAST4.0, an Intelligence of Things product for the plastic industry, after a careful consideration of the following factors:

- Deep domain insights and analytics derivable from the dashboards and reports
- Zero investment in IT skills or infrastructure
- Quick and easy deployment
- Single, unified, and integrated view across all OEM machines
- Constant and continual product innovation

Benefits



Approximately 5% increase in machine availability as a result of quick and accurate identification of unproductive downtime



3% improvement in Overall Equipment Effectiveness (OEE). The company thus could recover the total cost of investment within 15 months of axisPLAST4.0 deployment based on this factor alone



Accurate and real-time access to the data anytime, anywhere, and on any device



Significant reduction in time spent on non-productive tasks such as manual data collection, collation, and correlation, thus boosting the morale of the team

“We are excited by the business gains and competitive edge that axisPLAST4.0 has helped us realize in such a short period. Also it will help us to continuously push the boundary of innovation to stay ahead of our competition. Industry 4.0 being a strategic and an on-going program, it requires a trusted and knowledgeable partner like EcoAxis.”

– Yashi Gupta, Director, Accurate Industries