M·POWERED

MONITORING, ALERTING & REMOTE SUPPORT

MILACRON®

eQ-Series

MILACRON
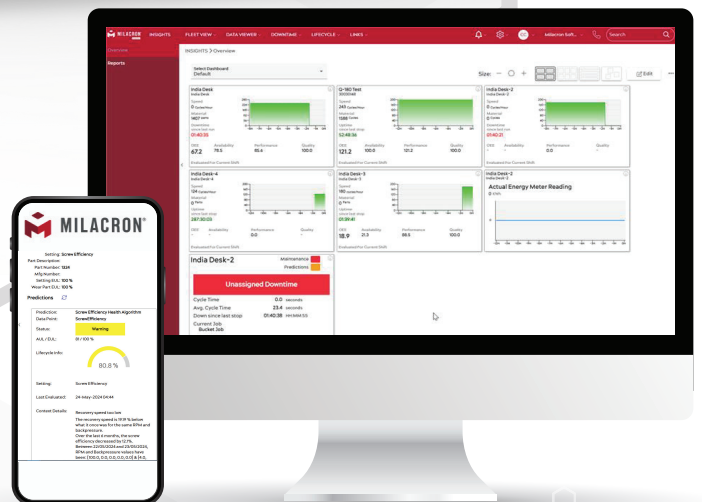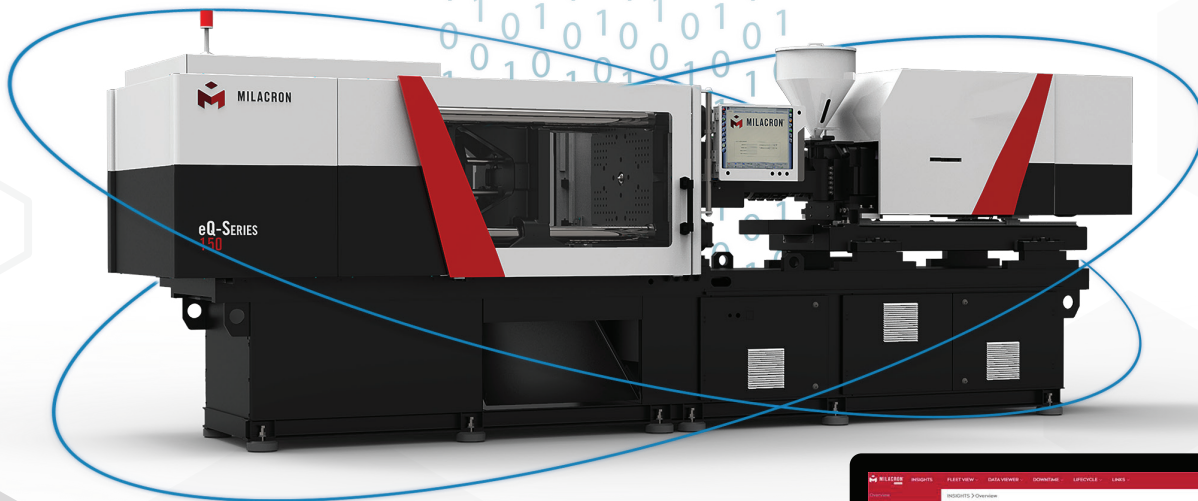
The Forefront of IIoT Intelligence

Data-driven Insights. Plastic Processing Redefined.

What is M-POWERED

Near real-time securely delivered insights that give you unmatched decision-making abilities, enhancing equipment performance, productivity & efficiency.

M-Powered is a digital platform with a portfolio of easy-to-use observational, analytical and support services that gives you a competitive advantage. It leverages Industrial Internet of Things (IIoT) technology and runs sophisticated algorithms that utilize real-time machine learning to monitor machine operations, alerting you before any potential issues arise and providing a clear picture of Overall Equipment Effectiveness (OEE).

M-Powered offers a unified, holistic view of your plastic manufacturing process. Through its range of applications, M-Powered helps you gain unique intelligence that gives you an unparalleled competitive advantage.
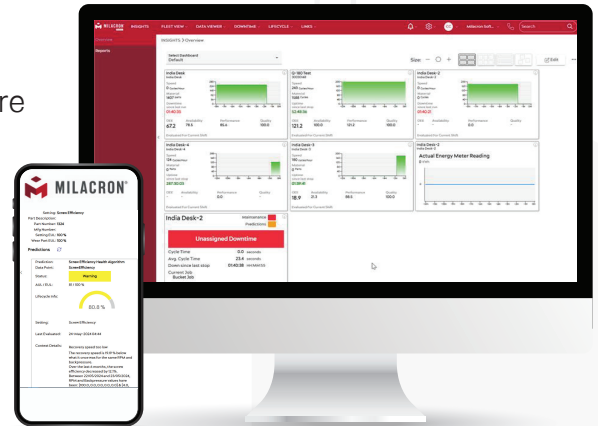
Features

- **+ Predictive Analytics**
  Pre-emptive signals for potential failures.

- **+ Alert Monitoring**
  Get automated notifications for prompt and corrective actions.

- **+ Remote Technical Support**
  Quicker troubleshooting and resolution.

- **+ Production Recipe Management**
  Enhance productivity with data.

- **+ Customizable Dashboards**
  Mission-critical KPIs at a glance.

Benefits

- ✓ **Increases Uptime** through sophisticated algorithms to monitor machine operations.

- ✓ **Reduces Scrap** by providing a clear picture of overall equipment effectiveness.

- ✓ **Improves Shop Insights** with built-in analytics and real-time machine learning.

- ✓ **Streamlines Reporting** and preventative maintenance schedules.

- ✓ **Lowers Operating Costs** and increases profits through quality data and insights.

Key Capabilities
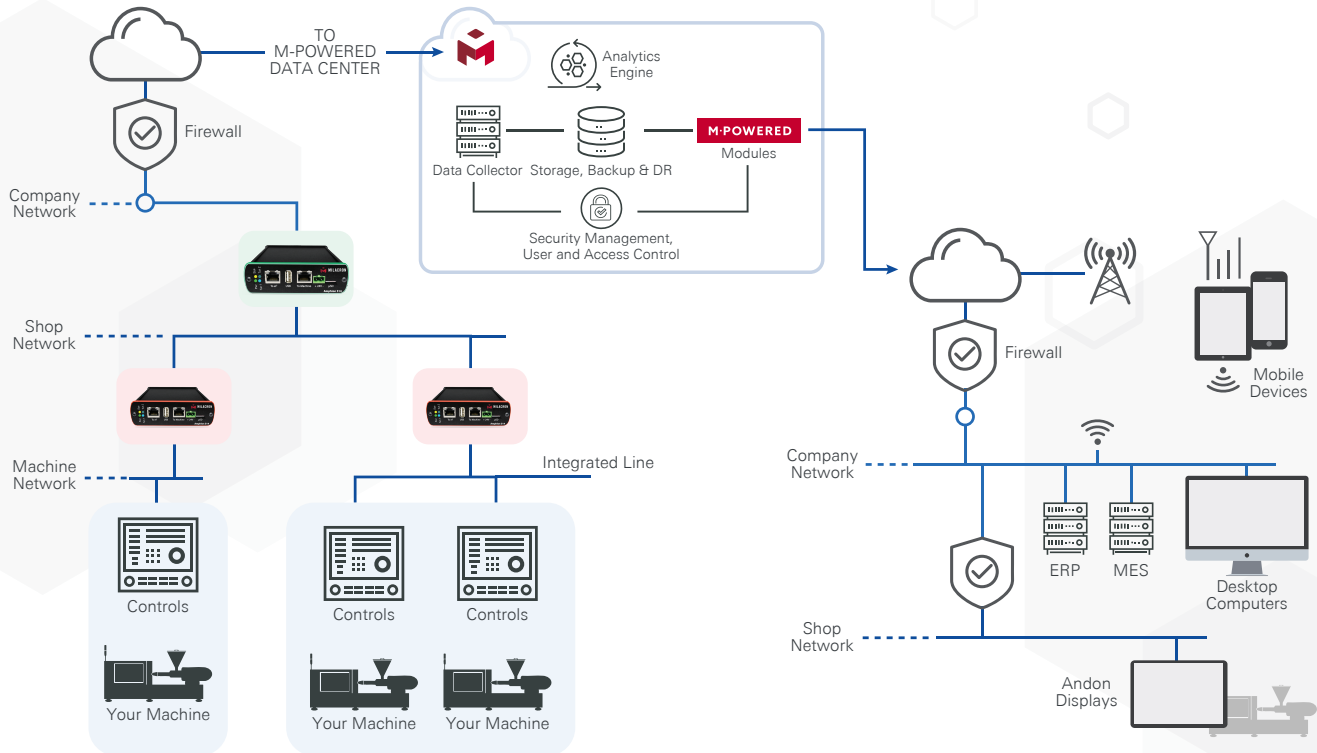
| Certificate & Key Management | Seamless Integration | Provision of 'Edge Analytics' |

Key Technical Details

Architecture

Programming

Application Programming Interface Access (APIs) allow websites to grab information from databases and display it in another place, such as another website or an ERP/MES system. With the right setup, M-Powered's API tools allow you to easily display machine analytics onto displays across your factory floor.

Security

- **End-to-End Data Protection**
  Security of any data is guaranteed from the creation of the machine data, the transfer to the cloud, to the application and any API integration back into the computer system.

- **Managed Secure Network**
  Complete user administration autonomy with granular access rights based on corporate division, machine or user – role – all are fully customizable. All transactions are completely auditable, and there are no limits on the number of users.

- **Geolocation – Private & Dedicated Servers**
  Private and dedicated servers physically located in your chosen geography provide redundancy, backup and fail-over with 24/7 availability to your machine data, with unlimited data storage.

- **Compliance to International Security Standards**
  We constantly monitor and improve applications, systems and processes to provide a robust and secure solution. Certified to be in compliance with International Standard Organisation (ISO) 27001:2013, by DEKRA Certification B.V.

Customer Success Stories

SCRAP REDUCTION

Two major adopters have used M-Powered to reduce scrap.
- Industry average scrap rate is between 3 and 4%.
- One reduced scrap by 23% to under 1% (42 machines running).
- Another saw 1% reduction in scrap rate (22 machines running).
  - Used 400M pounds of plastic resin, with 40% being recycled contents

DOWNTIME REDUCTION

- One adopter achieved a significant reduction of 7,000 hours of unplanned downtime in the first year.
- This improvement was observed across a total of 22 machines, greatly enhancing operational efficiency.

ENERGY REDUCTION

Over a 12-month period, one customer using predictive analytics reported the following results:
- >18,000 kWh energy saved
- Simultaneously producing 3,000 more parts

Why Choose MILACRON

Trusted Partner in Plastics Processing

For over six decades, Milacron has been at the forefront of plastics processing technology, revolutionizing the industry through engineering excellence, innovation, digitalization, and an unwavering commitment to quality. With a global footprint and an industry-leading portfolio, we empower plastic processors with cutting-edge solutions that drive overall shop floor performance.

Unmatched Product & Digital Capabilities

Our advanced injection molding and extrusion solutions deliver unparalleled operational excellence. When integrated with M-Powered, a suite of IIoT solutions, you can access predictive analytics, real-time alert monitoring, remote technical support, production recipe management, customizable dashboards, and more — completely controlling your shop floor performance.

State-of-the-Art Manufacturing Infrastructure

Milacron's manufacturing facility is equipped with:
- Precision-engineered Japanese & German machine tools
- A cutting-edge in-house machine shop
- Dedicated centers for critical components

These ensure world-class quality, consistency, and machine longevity.

Our Strengths at-a-glance

India

60,000 sqm
Modern Manufacturing Facility

3,000+
Machines Produced Per Year

750+
Highly Skilled Associates

Global Footprint

27,000+
Satisfied Customers

50,000+
Machines Installed Worldwide

9
Strategic Locations Serving Worldwide

## End-to-End Support & Service Excellence

From micro to large-size structural applications, Milacron's advanced machinery complies with ANSI, CE, NR12, and ISO safety standards, tailored to country-specific requirements, providing a solid foundation for workforce safety and operations. With a dedicated team of experienced sales and service professionals, we ensure proximity to customers across India and international markets. Our strategically stocked spare parts inventory and rapid-response service network guarantee uninterrupted performance and maximum machine uptime.

Choose Milacron – Where Innovation, Technology, and Service Excellence Converge.

MILACRON®

To revolutionize plastic processing with IIoT intelligence, choose M-Powered.

TAKE THE NEXT STEP
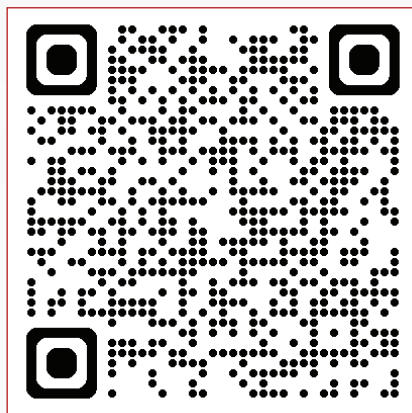
Scan this QR Code to know more about M-Powered and its capabilities!

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