TEKSOFT

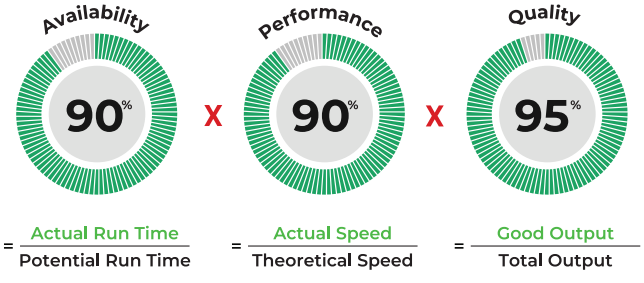
REAL-TIME MACHINE DATA COLLECTION

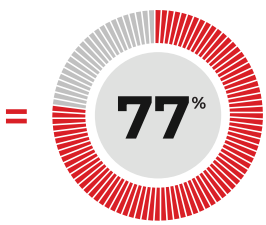
Introduction | What is CIMCO MDC-Max?

Unlock the full potential of your production. Improve processes, resource use and critical reponse times.

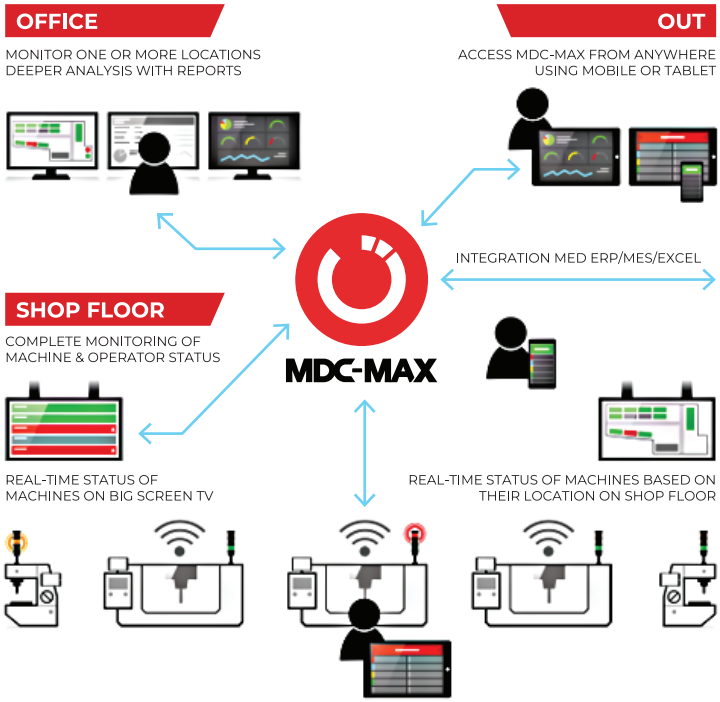
MDC-Max enables you to collect and analyse data from machines and operators to get real-time and historic insights into your shop floor's productivity, performance and quality. Data can be used for different purposes such as real-time monitoring with Andon boards throughout the company, for planning and analysis, or for export to ERP, MES or other systems.







OVERALL EQUIPMENT EFFECTIVENESS



Benefits | Why use CIMCO MDC-Max?

Improved efficiency
Understand the performance of equipment and personnel with real-time data collection. Eliminate production bottlenecks and optimise resource utilisation.

Accurate data collection
Eliminate manual, time consuming and often inaccurate data collection by automating and streamlining the entire data collection process.

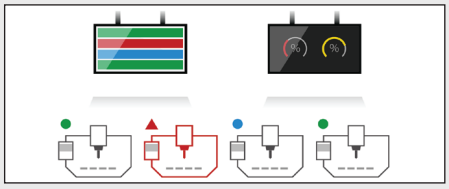
Faster response times
Monitor and visualise the performance of equipment and personnel to respond faster, catch errors sooner, and communicate better.

Eliminate guesswork
Understand the inner workings of your production with customised reports including machine downtime, OEE and other essential KPIs.

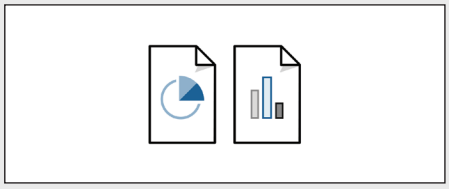
Reduce administration time
Reduce paper reliance and administrative time. Update your ERP, MES or other administrative system with real-time data from equipment and personnel.

Access your data anywhere
Access data from one or more sites directly from your mobile device. Easily check the status of equipment or any other information critical to your operation.

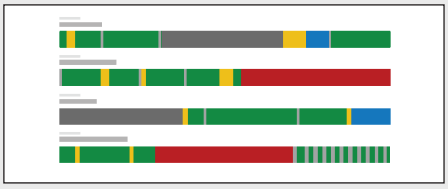
Key Features



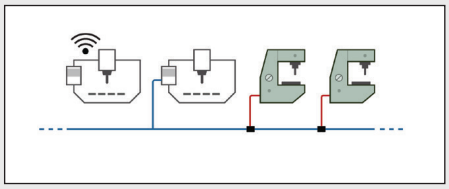
Real-time monitoring / Andon
See the current status and performance data of your machines on Andon boards, PC and mobile. Customise the layout and content of screens to suit your needs.



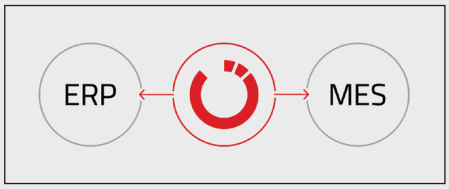
Customisable reports
Generate reports with calculation of OEE, downtime and other essential KPIs. Set production targets, work shifts and sort data by different factors.



Real-time reporting
Generate real-time reports that dynamically update as data comes in, such as machine timelines.



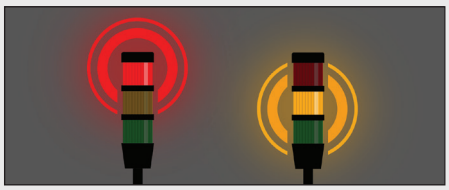
Works with your equipment
Collect data automatically or manually using your existing wireless network, Ethernet, RS-232 or Parallel I/O. Use existing barcode readers and PCs on the shopfloor.



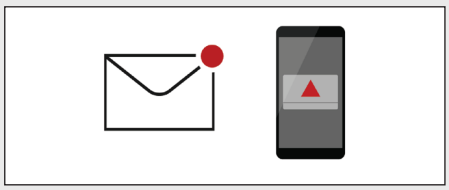
Integration with external systems
Streamline data management and workflows by updating ERP, MES or other administrative systems directly with data from MDC-Max.



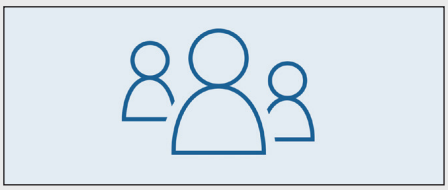
Operator interface
Enables operators to access essential information directly at the machine and enter data such as current shift, job, reasons for downtime and scrap.



Andon and signaling units
Control signaling units such as stack lights, buzzers and Andon boards that indicate the status of your machines.



Email and text notifications
MDC-Max can send text and email alerts to key staff on any machine and operator event such as automatically during unattended runs.



Secure user management
Fine-grained control over user access and permissions. View logs of user actions and system events for auditing and troubleshooting purposes.

The full suite of CIMCO software

CIMCO Edit
Full-featured NC editing, simulation and machine communication tool. Powerful add-ons available.

CIMCO DNC-Max
The leading solution for NC program transfers to and from CNC machines. Compatible with machines and files.

CIMCO MDC-Max
Real-time manufacturing data collection. Optimise use of resources, and streamline processes.

CIMCO NC-Base
Organise, manage, and protect part programs and related production documents efficiently.

CIMCO MDM
Complete solution for manufacturing document management. Integrates with CAD/CAM systems from leading vendors.

CIMCO Scheduler
Production schedulling and order tracking solution. Improve delivery times and use of machines and resources.

CIMCO Machine Simulation
Prove-out your NC program on a 3D CNC machine model. Automatic checks for collisions, out of limit moves and more.

CIMCO CNC-Calc
A basic CAD/CAM. Draw 2D geometrical contours and lay out toolpaths for milling and turning machines.

CIMCO Mazatrol Viewer
Enables CIMCO Edit to read, preview and print Mazatrol binary files for both milling and turning.

CIMCO Teachware
E-learning solution that introduces students to working with digital machine tools.

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