

MIC Platform for Automation

Towards EDM processes with integrated inspection

Up to **20%**
improvement in
unit cost per part

SMARTPM

Industry | Future

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Industrial DNA

Set up in a territory where industry is culture, we are part of the Egile Group, therefore knowledge of processes and the customer are embedded in our roots. For this reason, we want to contribute to the development of a more powerful industry that leans on existing technologies to strengthen its value proposal and obtain a profitable and competitive market position.

Ready for the future

We are an engineering and solution development firm centred on the smart automation and optimisation of industrial processes in the field of precision machining, based on in-depth knowledge of the machining and metrology processes.

We came about to address the real problems of industrial processes.



**LOW PRODUCTIVITY
AND UNDERUSE OF
ASSETS**



**REDUCED VISIBILITY OF
PROCESSES**



**QUALITY
PROBLEMS**



**LACK OF WORKSHOP
INTEGRATION WITH IT
SOLUTIONS**

We accompany businesses through knowledge of processes, with our MIC solution, along with a full service portfolio.

Engineering

Implementation

Training

O&M



Find about us



MIC AUTOMATION FOR EDM PROCESS MANAGEMENT

Maximum return and quality in EDM processes

Value contribution

Autonomous management of EDM processes with integrated inspection

OEE improvements
from 30% onwards

Up to 50%
reduction in SCRAP

Improvements
in unit cost
per part

Over 30% reduction
in intermediate stock

15-20%

Up to 50% increase
in available capacity

More about MIC



Main functions



*Controls and automates
your industrial processes.*

*Manages process flows
autonomously and in real
time with minimum
intervention.*

*If your needs change, MIC
adapts to them thanks to
its flexibility. It is scalable
and modular, Plug & Play.*

The best configuration for each need

EDM STARTER

Electrode management

If you need to...

- Reduce scrap and lead times.
- Increase use of EDM equipment.
- Reduce dependence on the human factor.

...MIC will help you through

- Electrode automated inspection.

Hardware: STORAGE + ROBOT + CMM + EDM

- Manual management of electrodes and parts.
- Process digitalisation.
- Automation of data capture and visualisation.
- Presetting and integrated inspection.
- Real time process monitoring.

Software: MIC

- Warehouse management.
- Presetting of parts and electrodes.
- Integration of EDM equipment management.
- Inspection of parts and electrodes.

EDM BASIC

Electrode management

If you need to...

- Increase autonomy hours in EDM processes. Reduce the burden of manual programming. Reduce stoppages due to lack of tools.

...MIC will help you through

- Dependence on people reduction in the handling of electrodes and programming. Increase the autonomy of processes.

Hardware: STORAGE + ROBOT + CMM + EDM

- Automated management of electrodes.
- Manual management of parts.
- Process digitalisation.
- Automation of data capture and visualisation.
- Presetting and integrated inspection.
- Real time process monitoring.

Software: MIC

- Robot.
- Warehouse management.
- Presetting of parts and electrodes.
- Integration of EDM equipment management.
- Inspection of parts and electrodes.

EDM STANDARD

Electrode management in EDM & MILL

If you need to...

- Reduce quality problems derived from the machining of electrodes.
- Reduce delays and stocks generated by a lack of coordination between electrode production and EDM processes.

...MIC will help you through

- Comprehensively automating (EDM and MILL) processes for electrodes.

Hardware: STORAGE + ROBOT + CMM + EDM + MILL

- Automated management of electrodes and parts. Process digitalisation.
- Automation of data capture and visualisation.
- Presetting and integrated inspection.
- Real time process monitoring.

Software: MIC

- Robot.
- Warehouse management (parts, electrodes and tools).
- Presetting of parts and electrodes.
- Integration of EDM equipment management and milling.
- Inspection of parts and electrodes.

EDM PLUS

Part & Electrode management in EDM & MILL

If you need to...

- Reduce delays and stocks generated by a lack of coordination between sub-processes.

...MIC will help you through

- Comprehensively automating (EDM and MILL) processes for electrodes and parts.

Hardware: STORAGE + CMM + EDM

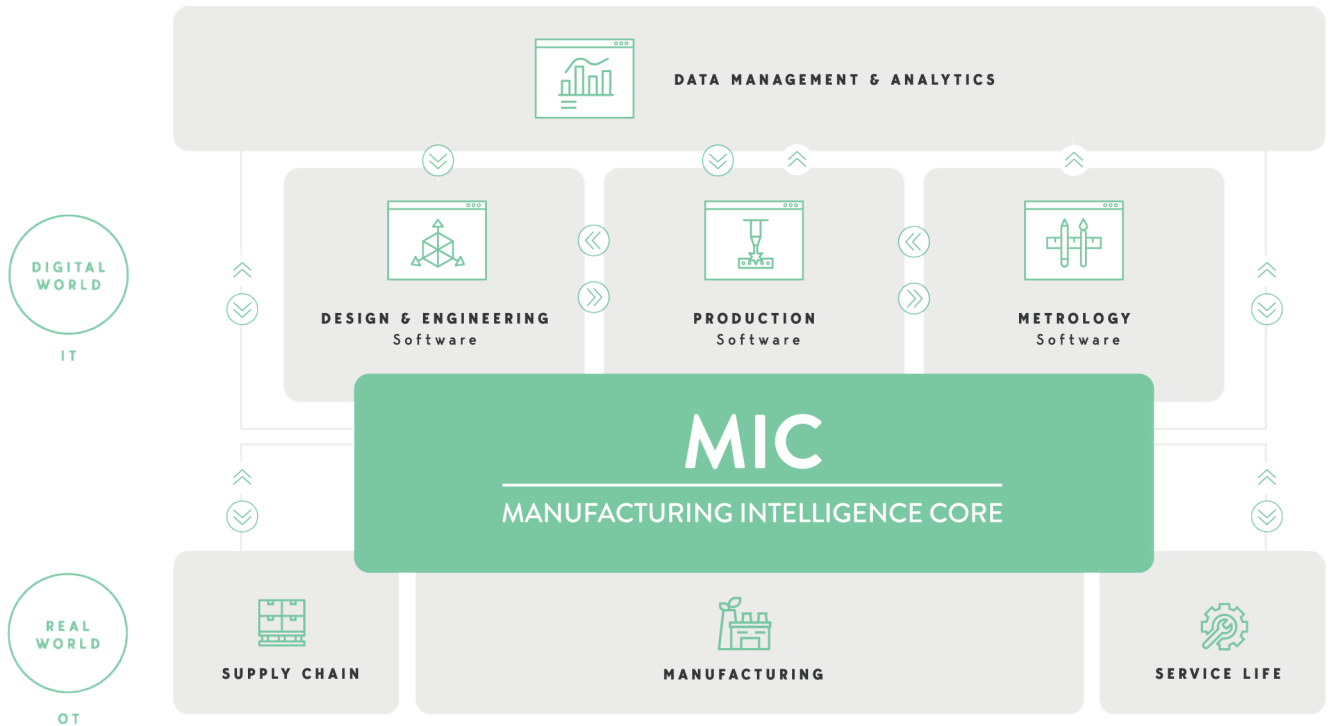
- Automated management of electrodes, parts and tools.
- Process digitalisation.
- Automation of data capture and visualisation.
- Presetting and integrated inspection.
- Real time process monitoring.

Software: MIC

- Robot.
- Warehouse management (parts, electrodes and tools).
- Presetting of parts, electrodes and tools.
- Integration of EDM equipment management and milling.
- Inspection of parts and electrodes.

Automation platform for the machining industry

Connects assets, designs, executes and controls workflows, improving productivity thanks to predictive analysis, machine learning and autonomous cell management.



Configurable modules

Configuration via modules for and by the user.



MIC CORE

Production cell's decision and management engine.



MIC FRONT END

Cell management interface.



MIC PROCESSES

Facilitates equipment integration in the cell and bidirectional interaction with them.



MIC INSPECT

Integrates different inspection technologies in the process, minimising bottlenecks.



MIC DATA

Encompasses different sub-modules related to data management.



MIC BUILDER

Facilitates automation value generation in the shortest possible time.

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MANUFACTURING INTELLIGENCE

Accredited as EMEA GOLD PARTNER in Automation

**Want to know more?
Contact us**

