

MIC Platform for Automation

Autonomous MILLING processes with integrated inspection

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

SMARTPM

Industry | Future

SMARTPM

Industry | Future

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.



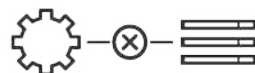
**LOW PRODUCTIVITY
AND UNDERUSE OF
ASSETS**



**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 MILL PROCESS MANAGEMENT

Maximum outcome and quality in MILLING processes

Value contribution

Autonomous management of MILLING 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

Main functions

More about MIC



*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

MILL STARTER

Parts management

If you need to:

- Increase use of MILL equipment.
- Reduce WIP in stock management.
- Reduce dependence on manual programming.
- Make the process visible and reinforce monitoring.

MIC will help you through:

- Increase processes autonomy, reducing the human factor in handling and programming, improving warehouse management.

Hardware: STORAGE + MILL + ROBOT

Automatic handling of parts.
Digital process workflow.
Automation of data capture and visualisation.
Real time process monitoring.

Software: MIC

MIC Core.
MIC UI.
MIC Processes: Milling, Robot & Storage management.

MILL STANDARD

Parts & Tools management

If you need to:

- Address reconfigurations and introduce new references in less time.
- Increase available machine capacity and hours of autonomous operation.
- Minimize manual programming.
- Improve el Lead Time.

MIC will help you through:

- Comprehensive and automated management of milling processes.
- Maximize available capacity.

Hardware: STORAGE + MILL + ROBOT + CMM

Automated management of parts and tools.
Digital process workflow.
Automation of data capture and visualisation.
Presetting and integrated inspection.
Real time process monitoring.
Dynamic planning.

Software: MIC

MIC Core.
MIC UI.
MIC Processes: Milling, CMM, Robot & Storage management.
MIC Inspect.

MILL BASIC

Parts & Tools management

If you need to:

- Reduce SCRAP.
- Improve Lead Time thanks to the optimization of tool management and zero-part marking on the machine.

MIC will help you through:

- Integrate automated inspection management into the machining process.

Hardware: STORAGE + MILL + ROBOT + CMM

Automated management of parts and tools.
Digital process workflow.
Automation of data capture and visualisation.
Presetting and integrated inspection.
Real time process monitoring.

Software: MIC

MIC Core.
MIC UI.
MIC Processes: Milling, Robot & Storage management.
MIC Inspect.

MILL PLUS

Parts & Tools management in multi-technology processes

If you need to:

- Improve coordination and visibility between different threads or machines.
- Flexibility to redefine processes and configurations.
- Reduce stocks and plan in real time.
- Dynamics of continuous improvement.

MIC will help you through:

- Improve the productivity of complex processes that integrate different technologies (milling, turning...), integrating inspection and handling of parts and tools.

Hardware: STORAGE + MILL + ROBOT + CMM + TURN

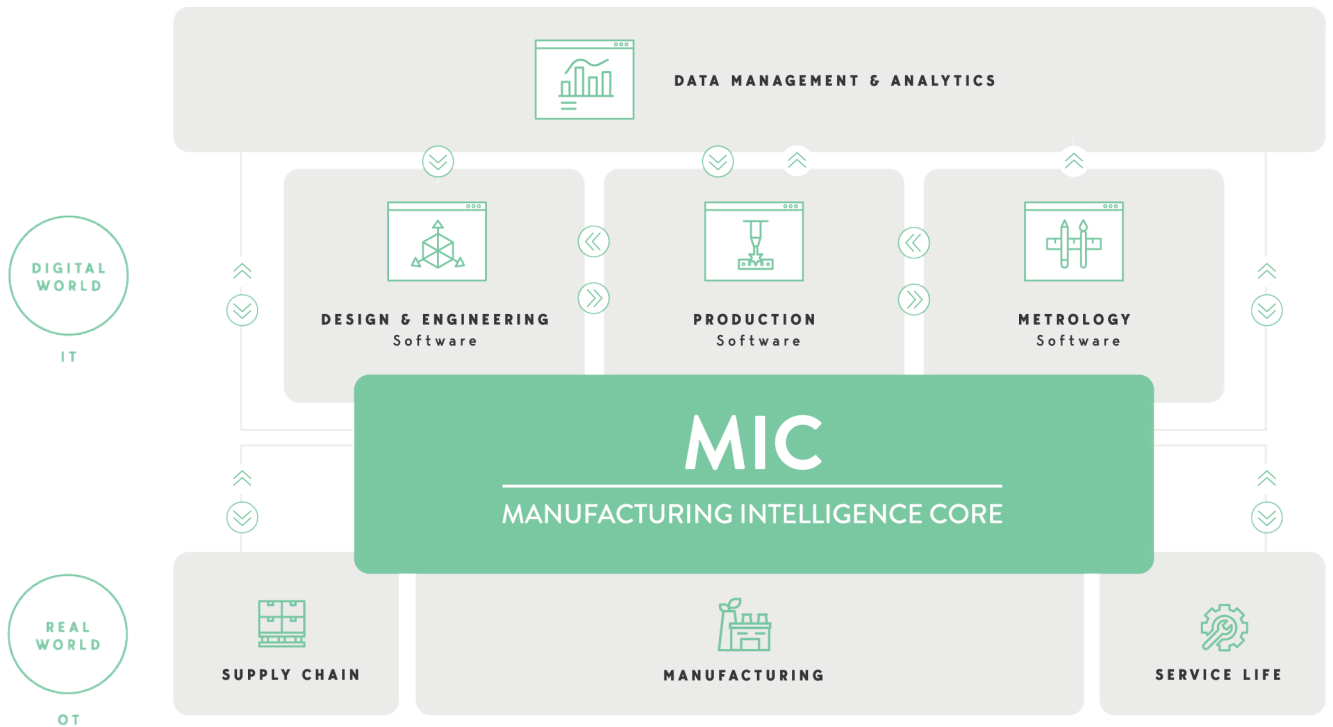
Automated management of parts and tools.
Digital process workflow.
Automation of data capture and visualisation.
Presetting and integrated inspection.
Real time process monitoring.
Dynamic planning in multi-technology processes.

Software: MIC

MIC Core.
MIC UI.
MIC Processes: Milling, TURN, CMM, Robot & Storage management.
MIC Inspect.

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 UI

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.

SMARTPM

Industry | Future

info@smartpm.es

+34 943 707 097

www.smartpm.es/en/

▶ in f @



Accredited as EMEA GOLD PARTNER in Automation

Want to know more?
Contact us

