

## Characteristics

**MIC** AUTOMATION SYSTEMS

110

120

130

### LOADING / UNLOADING

Machine loading / Unloading



### REFERENCES

Unique reference: Cycle Start, manual reference change



Multi-reference: NC Code automatic send & execution



Gripper change



### PROCESS AND INSPECTION

Checklist



Tool check on the machine (tool exists/tool not exists)



Tool life/quality check



Workflow editor



Rules manager - Feedback Loop



NC Code manager



In process inspection



### MONITORING AND REPORTING

Basic monitoring



Alarms/notifications



User notification (email, phone)



KPI-Fixed dashboard



KPI-Customized dashboard



Fixed reports



Customized reports



### PLANNING

Planner



**MIC** AUTOMATION SYSTEMS

Simple solutions for immediate automation

MILLING

TURNING

DEBURRING

INSPECTION



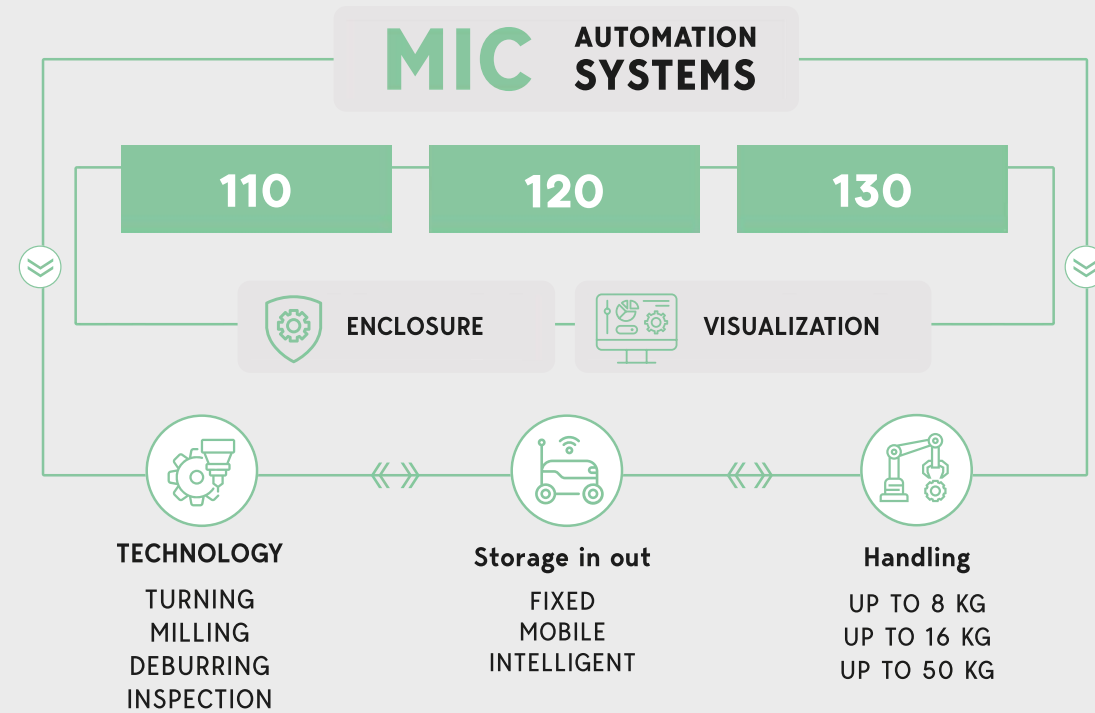
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## Configuration



## Benefits

### FAST IMPLEMENTATION

Solutions designed for immediate and hassle-free automation.

### HIGH PRECISION AND QUALITY

Equipment and technologies that guarantee accurate and consistent results.

### FLEXIBILITY

Storage and handling options adaptable to different needs and loads.

### INCREASED AUTONOMY

Systems that allow continuous operations with minimal human intervention, increasing productive capacity.

### IMPROVED EFFICIENCY

Reduced production times and improved resource management.

### MODULARITY

Modular components that allow a customized and scalable configuration according to specific requirements.

### COST REDUCTION

Error minimization and process optimization, resulting in significant long-term savings.

### EASY TO USE

Intuitive interfaces and systems simplify operation and maintenance.

### SAFE EQUIPMENT

Equipment designed to meet the highest standards of industrial safety.

### IMPROVED ERGONOMICS

Designs that improve working conditions for the operator, reducing work risks and increasing comfort.

### CONTINUOUS INNOVATION

Solutions based on state-of-the-art technology that ensure that they meet the current and future demands of the market.

### INTEGRAL SUPPORT

Services ranging from basic maintenance to advanced support, ensuring optimal operation of systems.

## OUR SOLUTION

# MIC AUTOMATION SYSTEMS

MIC Automation Systems offers a range of industrial automation solutions designed to improve efficiency and accuracy in production plants.

Our offering consists of various technologies, storage, handling and services, each meticulously configured to meet the specific needs of our customers.

## Technologies



### Turning

- Autonomy in short operations without interruptions.
- Tool loading and unloading management to extend ATC capacity
- Flexibility to produce different types and workpiece blades



### Milling

- Process robustness reducing machine stops.
- Automation of unit parts, short series and high product mix.
- Real-time information on the milling process.



### Deburring

- Automatic part handling improving the ergonomics of the operation.
- Process repeatability without reliance on the operator's experience.
- Extend tool life.



### Inspection

- Faster inspection and real-time decision making.
- Elimination bottleneck inspection within the process.
- Value inspection data translated into a workshop user language.