

INTEGRATED
TECHNOLOGY
SOLUTIONS

MiCRO
automation



**TOWARDS
INDUSTRY 4.0**

MICRO, IN THE HEART
OF TECHNOLOGY.

REGIONAL LEADER

MICRO is an industrial and service organization, a leader in the development, manufacture and marketing of components, systems and solutions for the automation of industrial processes.

MICRO has five more decades of commitment to research and development, and works on maximizing the efficiency of production processes in all industries. At the same time, MICRO incorporates permanently the latest technology and global trends in handling, control and diagnostics of automated processes.



25	Countries
4	Continents
116	Sales points
32	Technology and Services Centers
7	Production plants
50.000	m2 of own land
R&D	Laboratories of modeling, simulation and testing
650	Employees



PRODUCTS AND SERVICES

MICRO is a single supplier with quality certifications, and focuses on creating value and to improve the quality of life and work.

Products, associated application engineering, programming and services make up a full range of solutions, integrating technologies.

As specialists, we develop specific solutions for leading organizations in the sectors: automotive, food and beverage, pharmaceutical, oil & gas, mining, machine manufacturer, agroindustry, timber, steel, education, transportation, etc.; as well as for extreme environments, workplace safety components and other customized solutions.



Nowadays, MICRO grows on the concepts of Industry 4.0, through the manufacture of advanced pneumatic components in the automation field, in implementing intelligent electronic components and the development of solutions in the communication systems area and industrial control.

- ◆ Products 100% compatible
- ◆ 5.000 catalogue references
- ◆ 15.000 additional products
- ◆ Spare parts
- ◆ Repair kits

MICRO WORLD

1. IDENTIFICATION AND MONITORING

2. COMMUNICATION, CONTROL AND DEVELOPMENT

3. FIELDWORK

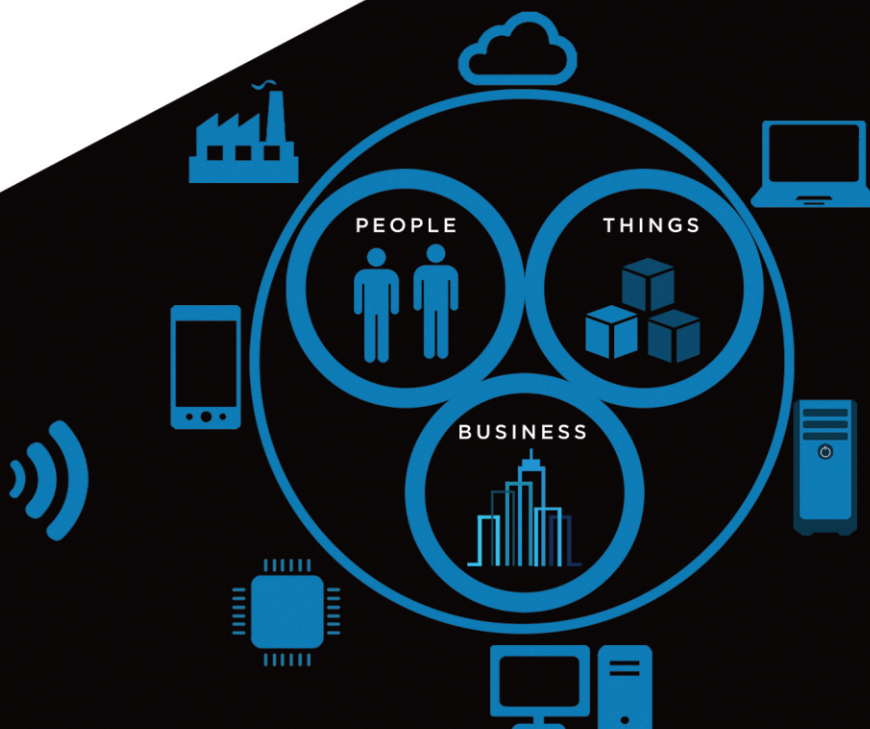
SHORT AND CUSTOMIZED SERIES

INFORMATION TECHNOLOGY + MANUFACTURING TECHNOLOGY

DIGITIZATION AND COOPERATIVE COORDINATION

EFFICIENCY AND GENERATION OF VALUES

HIGHER PRODUCTIVITY



DIFFERENTIAL OFFERING

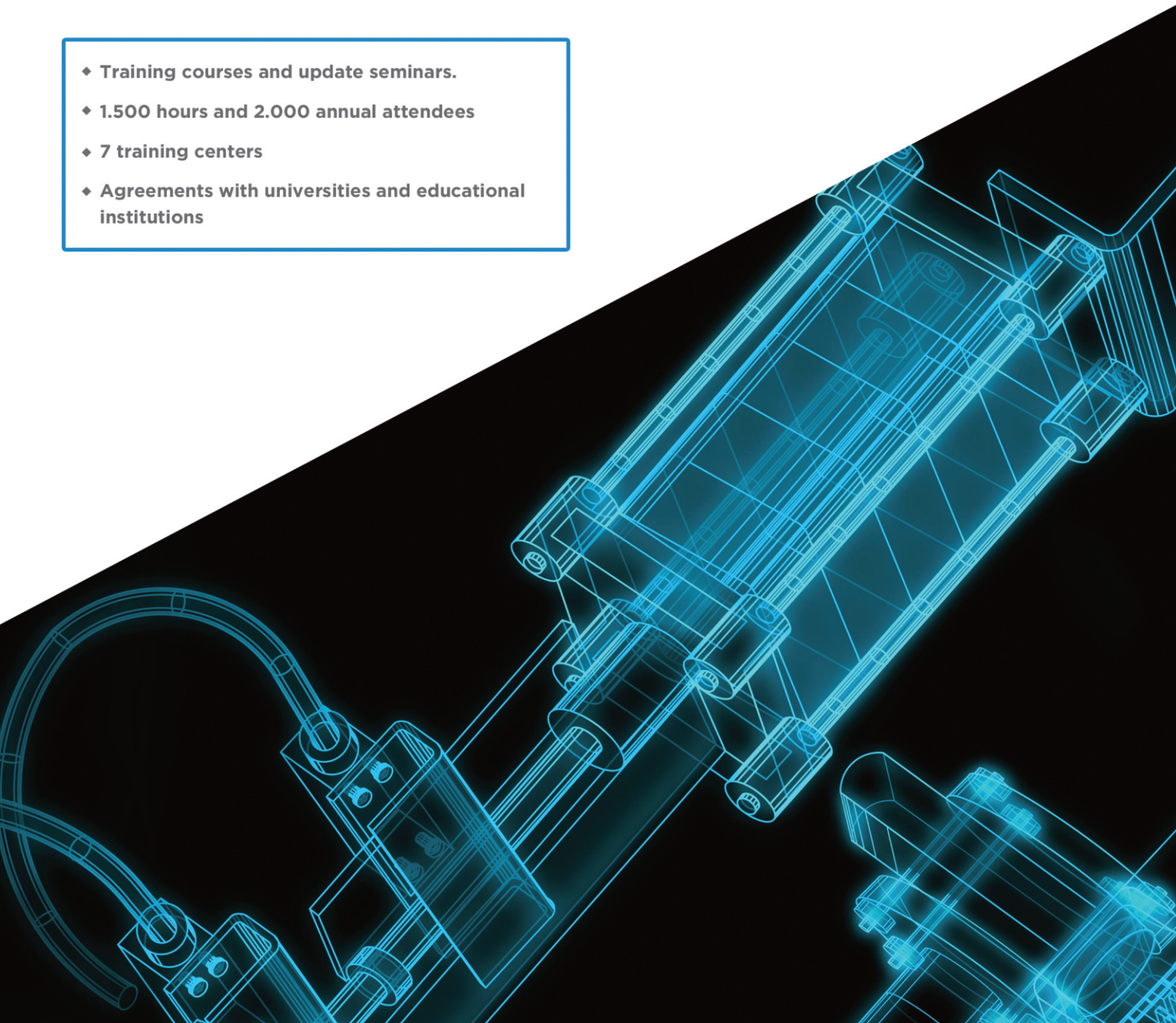
- ◆ Solutions provider with integrated technologies
- ◆ Design and implementation of customized projects
- ◆ Immediate delivery of standard products
- ◆ Service to reduce losses and optimize resources
- ◆ Facilities maintenance services
- ◆ Solutions to save energy
- ◆ Solutions for industrial safety

SPECIALISTS IN MARKET SEGMENTS AND APPLICATIONS

- ◆ Pneumatics
- ◆ Electro-electronics
- ◆ Handling and vacuum
- ◆ Processes
- ◆ Air treatment
- ◆ Training

KNOW HOW AND TRAINING

- ◆ Training courses and update seminars.
- ◆ 1.500 hours and 2.000 annual attendees
- ◆ 7 training centers
- ◆ Agreements with universities and educational institutions





VALVES

Power directional valves and for signals handling, standard configurations and compact.
Operated valves: manually, mechanically, pneumatic and electrical, piezo-electric, of low power and great versatility. Solenoid valves for explosive environments.



VALVES STATIONS

Valve terminals for communication through fieldbus: AS-i, Profibus, Devicenet or multiple, with side outlet of uses.



AUXILIARY VALVES

For a wide range of applications and functions. Flow regulator. Non-return or quick exhaust valve.



CYLINDERS/ACTUATORS

Pneumatic standard and special cylinders. Rodless actuators with or without external guidance for different types of industries, high temperature and corrosive environments.



FRL UNITS/ AIR TREATMENT

Modular units for treatment of compressed air at the point of use for obtaining an optimal quality compressed air.



INDUSTRIAL VACUUM

Complete line with vacuum technology for generation, control and handling of parts. Special suction cups for all applications.



HANDLING AND EQUIPMENT

Ergonomic systems of load handling. Solutions to take pieces and set reliable automation for providing working conditions and safety.



FITTINGS

A complete range of pneumatic connection solutions for all environments and requirements. Pipes for conducting compressed air in different industries.



PROCESS

The control of an entire industrial plant or production facility available to a dashboard and control panel.



AUTOMATION AND CONTROL

Programmable logic controllers with many variants of communication. They ensure a correct operation of machinery and equipment. Proximity sensors for contactless detection.



PIPING SYSTEM

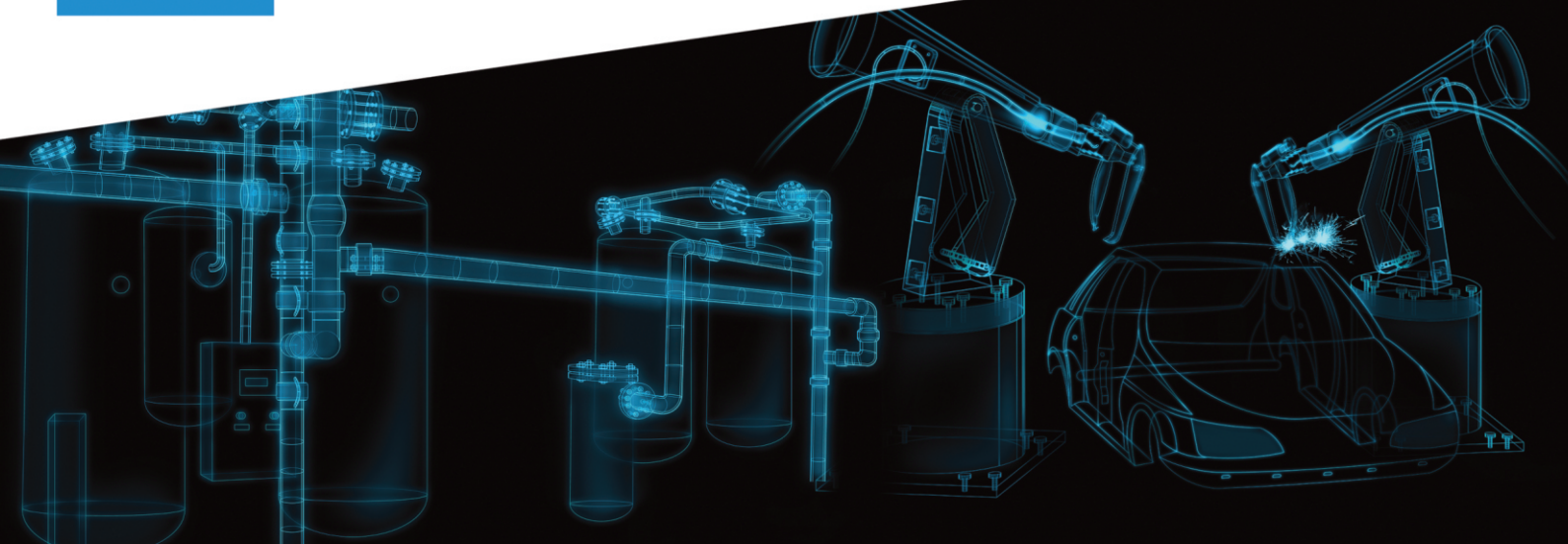
An adaptive and evolutionary system that allows you to modify infrastructure and facilities, avoiding interventions and costly and long stops of productions.



STRUCTURAL SYSTEMS

Simple and ergonomic solutions for modular construction. Suitable for devices, assembly lines, transportation systems, equipment, furniture and machine protection.

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automation



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