



INNOVATION,
COMPETENCE
AND RELIABILITY



Selmatron has been a provider of industrial automation and robotics solutions since 2005 and is dedicated to helping companies achieve their goals with the latest technologies and personalized services.

We are a customer-focused company, and we provide high-quality solutions that meet your needs. Whether you want to automate your production process, improve product quality, or increase workplace safety, our team is here to help.

We are specialized in many areas, including robotics and artificial vision, automation, mechanical design, circuit design, machine safety, servodrives and software. We work closely with our customers to develop customized solutions that integrate seamlessly into their processes.

Selmatron, S.A. responsibly and ethically assumes compliance with all regulatory requirements and legal and social regulatory norms, as well as others to which the organization subscribes. Under the NP EN ISO 9001:2015 standard, the scope of Selmatron's certification encompasses: Design, Production, Installation and Technical Assistance of Integrated Industrial Automation Systems and Electric Cabinets.



Looking to increase
the productivity
and the efficiency
of your company?

ABOUT SELMATRON



KNOW-HOW

ARTIFICIAL VISION SYSTEMS

2D/3D INSPECTION SYSTEMS

ROBOTIC SOLUTIONS

QUALITY CONTROL:

- FUNCTIONAL TESTS
- ELECTRICAL TESTS
- LEAKAGE TESTS

LASER MARKING

LASER WELDING

PLASMA TREATMENT

GLUE APPLICATION
PROCESS

MAINTENANCE

SCREWING SYSTEMS

AUTOMATIC FEEDING PARTS
SYSTEMS

INTEGRATION OF OUR
EQUIPMENT WITH PRODUCTION
MANAGEMENT SOFTWARE

PICK & PLACE

PARTS MACHINING

ELECTRIC CABINET CONTROL

ATEX ELECTRIC CABINETS

3D PRINTING

ASSEMBLY LINE

IIOT

STAGES OF PROJECT MANAGEMENT



REQUIREMENTS

PLANNING

DRAWING
AND DESIGN

SUPPLY

ASSEMBLY

SOFTWARE

COMMISSIONING
AND TRAINING

TECHNICAL SUPPORT

SPECIAL MACHINES

To ensure competitiveness, industries need to reduce production times, improve flexibility and quality, reduce resource consumption and ensure total safety.

The special machines we develop are complex systems that require know-how in different areas of engineering. These solutions integrate software, mechanical, electrical, pneumatic and hydraulic systems to perform specific tasks. The integration of these areas is critical to ensuring that specialty machines operate safely and efficiently, meeting each customer's unique needs.



SOFTWARE

- PLC and HMI Motion Control programming
- Control and supervision of computer applications
- Access to industrial databases
- Robot simulation and programming



MECHANICS

- Study / Draft
- Test benches
- Assembly benches
- Jigs / Jigs
- Assembly lines



ELECTRICAL

- Electrical sizing
- Machine safety
- Design and documentation



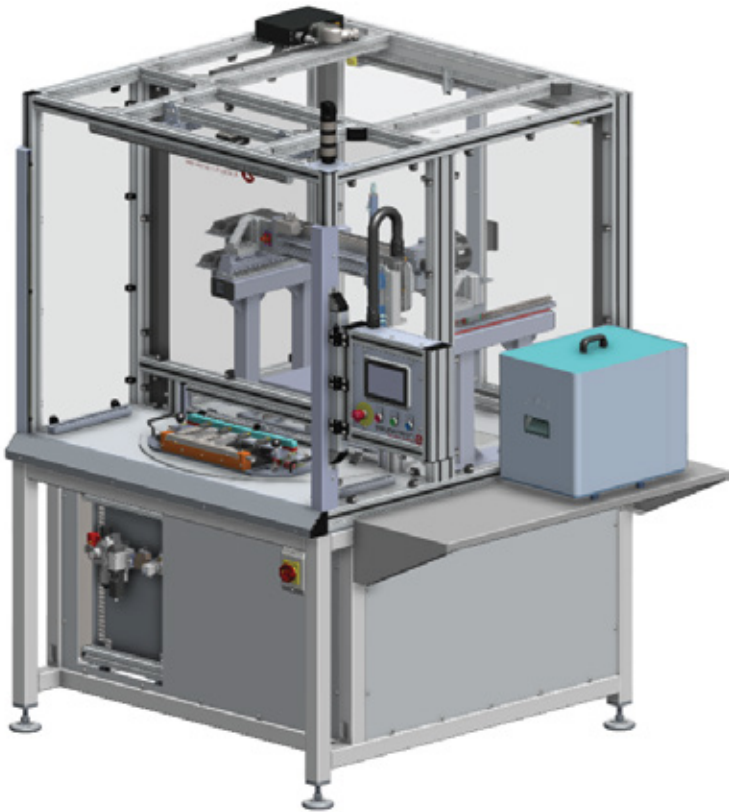
PNEUMATIC AND HYDRAULIC

- Process circuit
- Pneumatic design
- Hydraulic design

STANDARD MACHINES

Standard machines are equipment designed to perform a certain task. They are designed to meet common requirements of different processes. A practical option for small and medium-sized companies that need reliable equipment for common tasks, without investing in highly cost customized solutions.

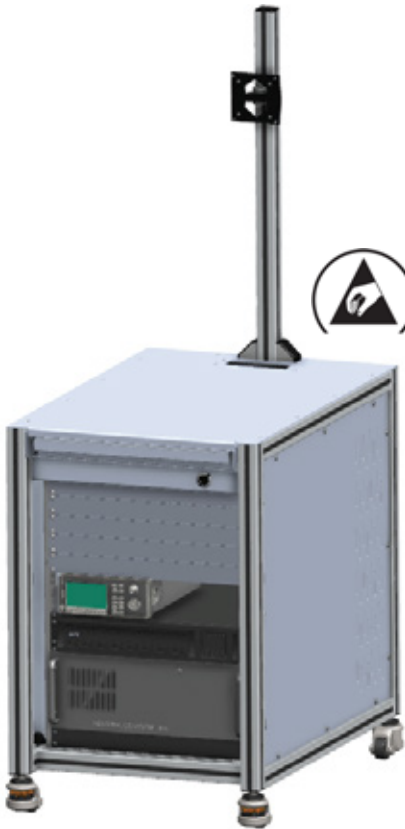
SCREW MACHINE



END OF LINE TEST (EOL)



MULTIFUNCTIONAL RACK



MAIN FEATURES

Dimensions (WxHxD)	1790 x 2226 x 1375 mm	705 x 2506 x 1135 mm	600 x 1700 x 900 mm
Weight	650 kg	300 kg	150 kg
Max. Dim. of product	150 x 400 x 100 mm	200 x 300 x 100 mm	-
Power Supply	230 V AC	230 V AC	230 V AC
Pneumatic Feed	6 Bar	5 Bar	-

OTHER FEATURES

- Automatic screwing system configurable to the type of screw
 - Quick jig change for different products
 - Automatic screw feeding
 - Vision system for product verification/validation
 - Two product positions: one in work and one in loading
 - xyz axis system
 - User Interface Console
- Final product test
 - Vision inspection system option
 - Product trigger option
 - 1U size lower rack structure
 - Barcode reader
 - ESD structure
 - ESD casters with ground lock
 - Quick change jigs for different products
- Socket strip with differential protection
 - Main switch on the front of the product
 - 1U size lower rack structure
 - ESD structure
 - Casters with ESD floor lock
 - Monitor support
 - Versatile and reusable structure

At Selmatron, we prioritize safety. We design reliable, robust and intelligent industrial systems, ensuring that the solutions we develop work according to the highest quality standards. These measures ensure that the system works as intended, is durable, efficient, traceable and secure.

PRODUCTION PROCESS

Efficient production systems that guarantee short cycle times, with high OEE, ensuring a quick return on investment.

PRODUCT EFFICIENCY

Automated testing systems with high quality instrumentation. Typically, test methodologies are implemented according to international standards, ensuring high quality standards.

ENDURANCE TESTS

Lifespan test equipment, with the simulation of a specific functionality to the limit. These devices are often implemented in laboratories.

TIGHTNESS TESTS

Tests that ensure the hermetic properties of a component. These properties can be decisive for the correct functioning of the product, as well as for the safety of the end user.

ELECTRICAL SAFETY TESTS

Production systems that incorporate industry-standard equipment to automatically validate various physical variables.

INDUSTRIAL SYSTEMS



ELECTRIC CABINETS

We design, develop and install electric cabinets according to the customer's requirements, with an organized and structured layout, properly marking all equipment and connections to allow the maintenance team to intervene quickly.

Efficient electrical solutions for demanding requirements:

- Electrical project
- Production of Electric Cabinets
- Installation and Commissioning
- CE certification
- ATEX certification



TECHNOLOGIES THAT WE INTEGRATE

At Selmatron we have a defined guideline that ensures that all work is carried out in accordance with your technical requirements, including the best techniques, products, creativity and innovation, so that we can add value and guarantee total satisfaction.

TwinCAT®



TwinSAFE



Kinematic



Machine Learning



Cloud Services

TIA Portal



SOLIDWORKS

ePLAN®
electric8



LabVIEW

OPC UA

OpCon,
CONTROL

COGNEX



Edge Learning



Deep Learning

VISIONPRO
Vision Software



Wincaps III

NEXEED



KUKA
WorkVisual

FANUC
ROBOGUIDE



ABB
Robot Studio

BECKHOFF



SIEMENS



COGNEX

flexfactory[®]
reinvent feeding

Beijer
ELECTRONICS



PILZ
THE SPIRIT OF SAFETY

KISTLER

KEYENCE

KEYSIGHT



Orientalmotor



Selmatron works in close partnership with the best component suppliers for integration into our machines. These strategic partnerships with leading brands in the market allow us to commit to offering high quality solutions that meet the highest standards of excellence.

THE BEST PARTNERSHIPS





AFTER SALES SUPPORT

At Selmatron, we know that our team's ability to adapt is crucial to providing successful solutions to our customers. That's why our engineering team prepares preventive maintenance plans that are customized and adapted to your specific needs, assuring total support.

We also offer maintenance contracts that are adjusted to the intervention needs of each piece of equipment, so that you can enjoy the best performance without interruptions.

With Selmatron, you can be confident that you'll receive the best possible performance with reduced intervention time, so you can focus on what's important - running your business.



VERSATILITY



EFFICIENCY



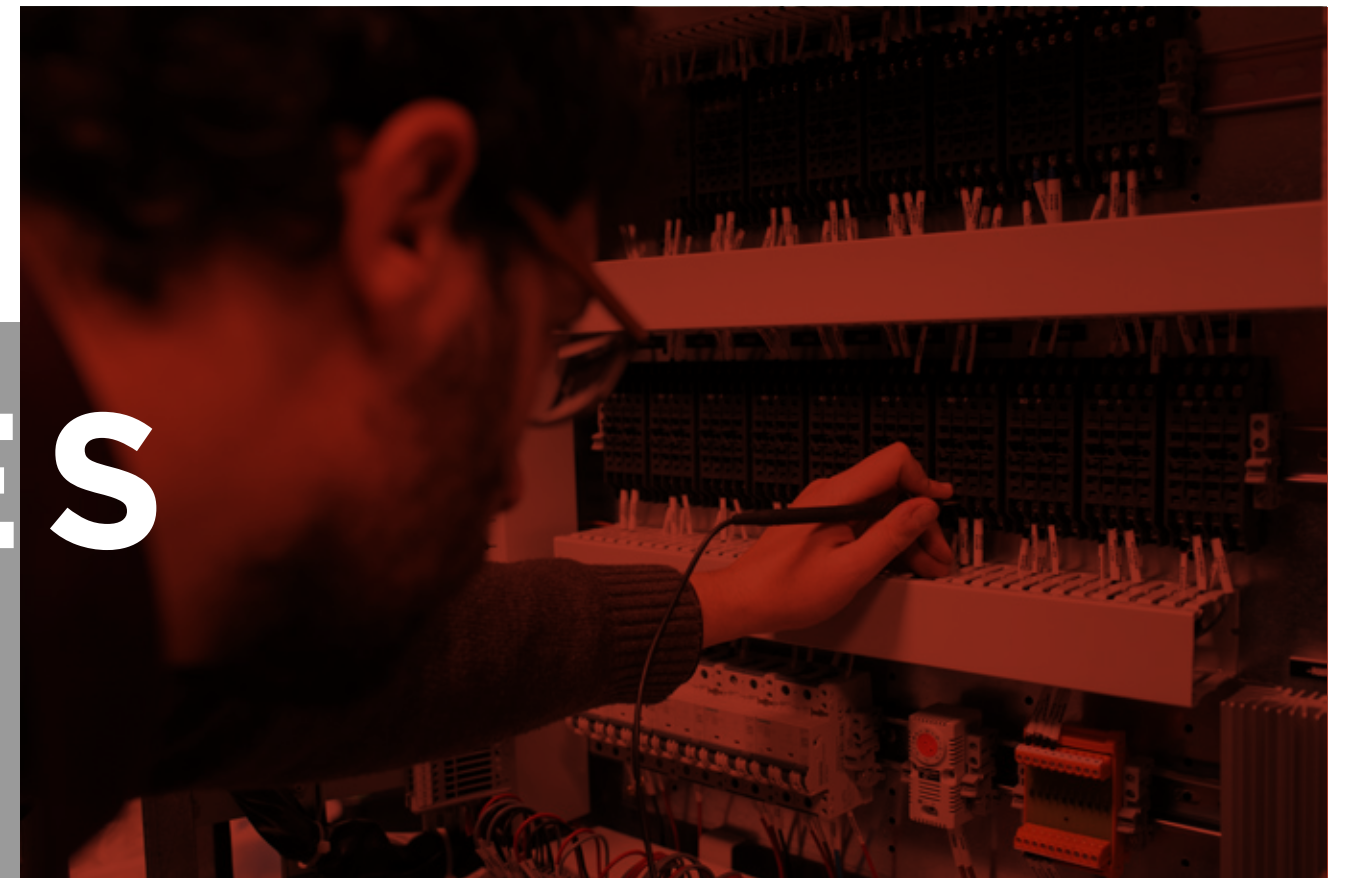
KNOWLEDGE



AVAILABILITY



COMMITMENT



SECTORS OF ACTIVITY



Selmatron specializes in providing industrial automation solutions for a wide range of industrial sectors, including:

Automobile

Plastics

Paper

Tobacco

Communications

Construction

Consumer goods

Pharmaceutical

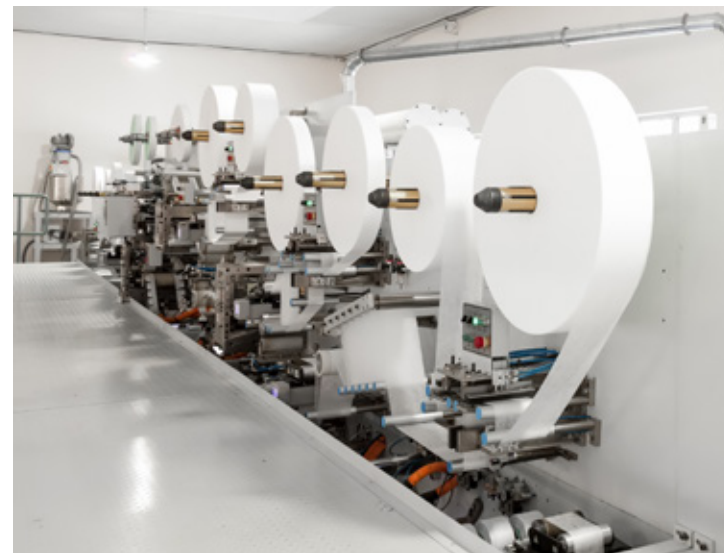
Environment

Food

Textile

With our expertise in robotics, artificial vision, automation, mechanical and circuit design, machine safety, servo drives, and software, we are committed to providing solutions that meet the unique needs and challenges of each industrial sector.

Choose Selmatron to be your trusted partner. Contact us!





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