

Innovation, Quality  
and **Passion for  
Engineering.**

[www.controlar.com](http://www.controlar.com)

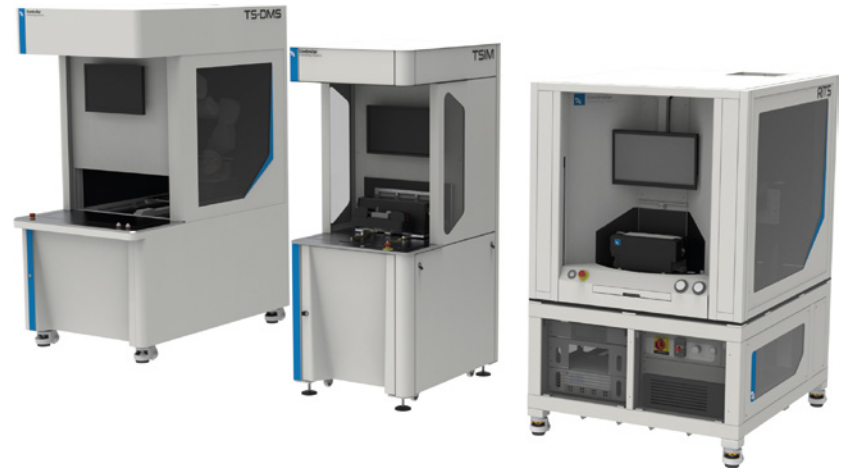


# WE DRIVE INDUSTRY INNOVATION,

bringing relentless commitment to superior quality and engineering creativity to deliver unparalleled products and services on a global scale.

Backed by a deep knowledge of industrial automation and a proven record in designing functional and quality test systems for electronic devices, **Controlar** is focused on the development and integration of industrial test and automation solutions. We have established enduring partnerships with renowned manufacturers across the world.

Our company operates through a network of diverse business units, strategic partners, and global production facilities that collaborate as a dynamic, multidisciplinary task force, to meet and exceed the unique needs of our valued customers.



## Ensuring product integrity at different stages of the production line

Controlar has been developing test systems solutions for a wide range of automotive infotainment products, such as navigation systems, car radios, instrumentation clusters, displays, GNSS systems and other types of ECUs, for more than 25 years.

Our **Test Systems** department is comprised of experienced and highly qualified technicians and engineers that bring together several skills for the development and conception of **industrial test systems** for:

### PCB Testing (in-line and off-line)

- In-Circuit Test (ICT)
- Boundary Scan
- ISP/Flash and Functional Test (FCT)
- Fixtures (bed-of-nails, consoles, etc.)
- Customized PCB Solutions

### EoL (End-of-Line) Testing

- Flash
- Vision Calibration & Validation
- Functional Test
- Troubleshooting

### Quality Control

- Highly Accelerated Life Test (HALT)
- Vibration test
- Exercisers' testing



## The best technology and knowledge at the service of Industry

From simple applications to integration with high levels of automation, our **Automation Systems** department is flexible and capable of responding to different types of projects according to the specific needs of each customer.

Taking advantage of the various interdisciplinary competencies within the Group, Controlar is able to provide the necessary services at all stages of project development, from concept design and planning to execution, installation and assistance.

Our **industrial automation solutions** include the use of advanced technology, project design and the development of mechanical parts, electrical projects, programming, among others.

## Concept design, project development and manufacturing of automation systems for your production needs

Development of machines and production lines

Automation and remodeling of machines and processes

HMI (Human Machine Interface)

PLC (Programmable Logic Controller)

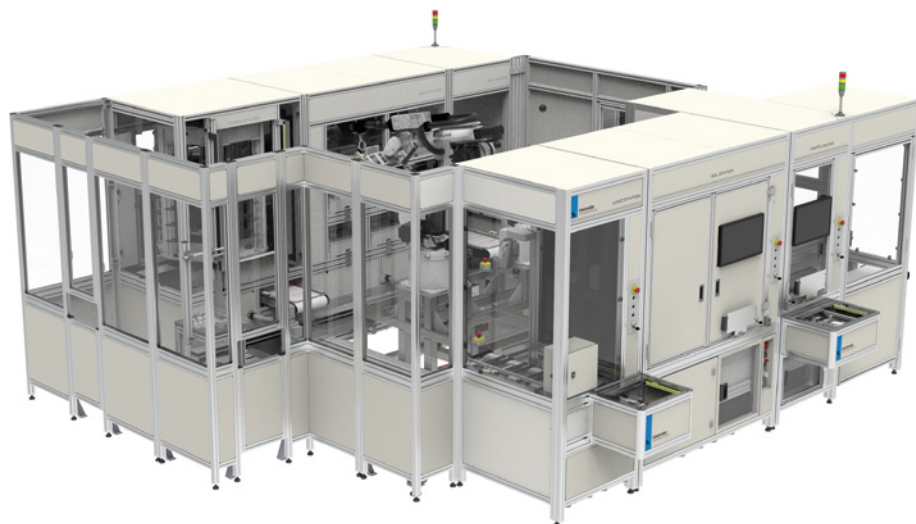
Traceability applications with RFID or based on customers' IDMS

Software development for production and efficiency monitoring (OEE and MES)

Process monitoring solutions using SCADA, control of production lines and automation processes

Robot's design, installation and programming

Artificial vision systems implementation



## Empowering aerospace and defense

All the knowledge of testing and automation applied to the aerospace and defense industry to develop validation and certification systems for electronic, electric and electromechanical components.

Development of validation and certification systems for electronic, electric and electromechanical components

Aerospace RF electronic products development

RF Functional Testing and Validation

HIL - Hardware in the Loop Validation and Testing

Reseller agreement for Earth Observation (EO) software solution

Explore new designs to benefit satellite reception and complete solution (antenna arrays)

Seek for R&D projects at ESA, H2020, etc.





## Meet our partners and the products we integrate into our solutions

Through partnerships with some of the most important players and international manufacturers in various strategic areas of the market, Controlar represents, distributes and markets many first-rate products covering the automation field.

### Representation and Distribution

#### SMH Technologies

In-System Programming solutions

#### Ingun

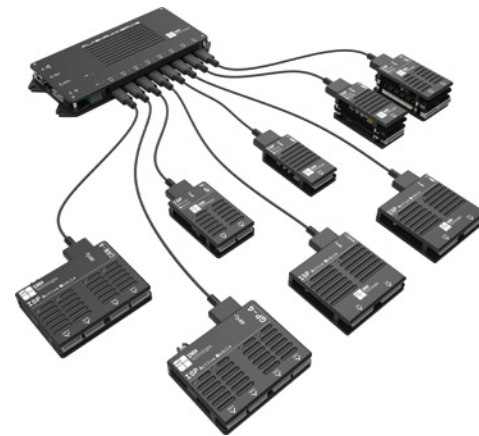
Spring test probes

#### Göpel Electronic

Electronic test solutions for the automotive industry

#### Dai-Ichi Dentsu

Electronic torque control systems and precision presses and pneumatic screwdrivers



### Partnership agreements

#### Teradyne, Rohde & Schwarz and Keysight

Components and instrumentation

#### Opus IVS (former DrewTechnologies)

Accessories and components for automotive communication systems

#### Datalogic

Automatic identification solutions and vision systems



## Our Vision

Develop Automation Solutions with Innovation, **Quality and Passion for Engineering.**

## Our Mission

Be the best technological solution, **always Close to our Customers.**

## Our Values

- Value Creation and Value Addition
- Environment and Eco-efficiency
- Path to Excellency
- Trust, Transparency and Ethics
- Circular Economy
- People Management
- Continuous Innovation

## Our Awards



## Global Affiliations



## Certifications and Methodologies



## About Controlar S.A.

Founded in 1995, **Controlar** is a Portuguese company specialized in **industrial automation** and **test systems** with focus on the automotive industry.

The company provides a wide range of services, including the design, development, and integration of automated test systems, data acquisition and analysis, production line automation, and quality control.

With over 390 employees globally, the Controlar Group operates through a global network of production units and companies (**Portugal, Spain, Mexico** and **Malaysia**) and is represented in **Germany** and **India**. All working together with combined synergies to meet customers' needs and exceed their expectations.

### Our Contacts

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### Our Locations



**Controlar**  
innovating industry



sensingfu+ure



**01** PORTUGAL | **02** SPAIN | **03** MEXICO | **04** GERMANY | **05** INDIA | **06** MALAYSIA | **07** CHINA | **08** USA