

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

www.controlar.com



WE INNOVATE INDUSTRY,

bringing high standards of quality, know-how and experience to engineering creativity in order to supply the best products and services worldwide.

Supported by a strong know-how in industrial automation, functional and quality test systems for electronic devices, Controlar is focused on the development and integration of industrial test and automation systems, having established partnerships with leading manufacturers worldwide.

The company operates through a network of different business units, partners and global production sites that work together as a multidisciplinary task force with combined synergies to fulfill customers' needs.



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

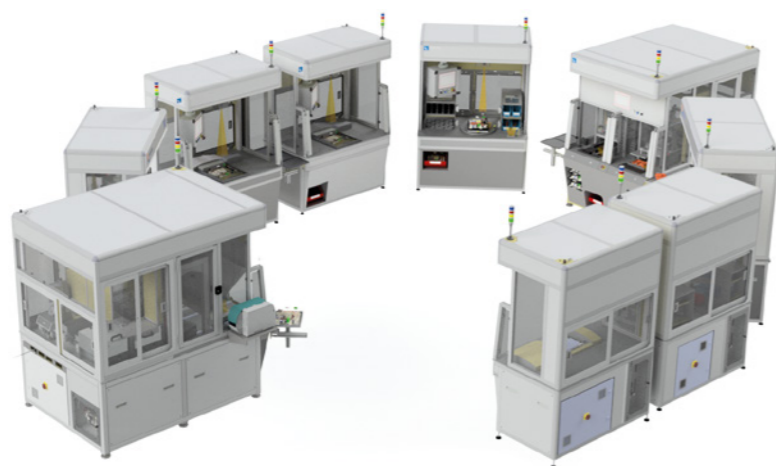
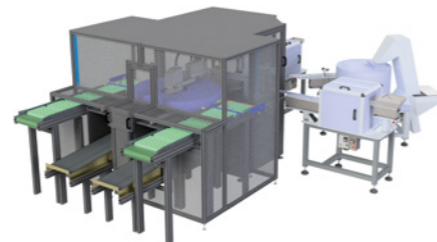
From simple applications to integration with high levels of automation, our **Automation Systems** department is flexible and capable of responding to different types of projects according to the specific needs of each customer.

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.

Distribution

GÖPEL electronic

Electronic test solutions for the automotive industry

Dai-IchiDentsu

Electronic torque control systems, precision presses and pneumatic screwdrivers

Kinova Robotics

Versatile collaborative robotics



Partnership agreements

Keysight and Rohde& Schwarz

Components and instrumentation

Opus IVS (former DrewTechnologies)

Accessories and components for automotive communication systems

Datalogic

Automatic identification solutions and vision systems



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

Vision

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

Mission

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

Values

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



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. Initially dedicated to developing hardware and software for this industry, the company rapidly evolved and expanded its business to other areas of industry, thus opening the range of market actions in advanced industrial applications. The company has been experiencing a strong growth and sustainable expansion both nationally and internationally, supplying new products and services with excellent quality at a competitive price level. With over 290 employees globally, Controlar has production facilities in **Portugal, Spain and Mexico** and is represented in **Germany, Malaysia, India and China**.

Our Contacts

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Our Locations



Awards

inovadora'22



Deloitte.
Technology Fast 500™



Global Affiliations



Certifications and Methodologies

