



A  **Controlar** company



Innovative engineering solutions

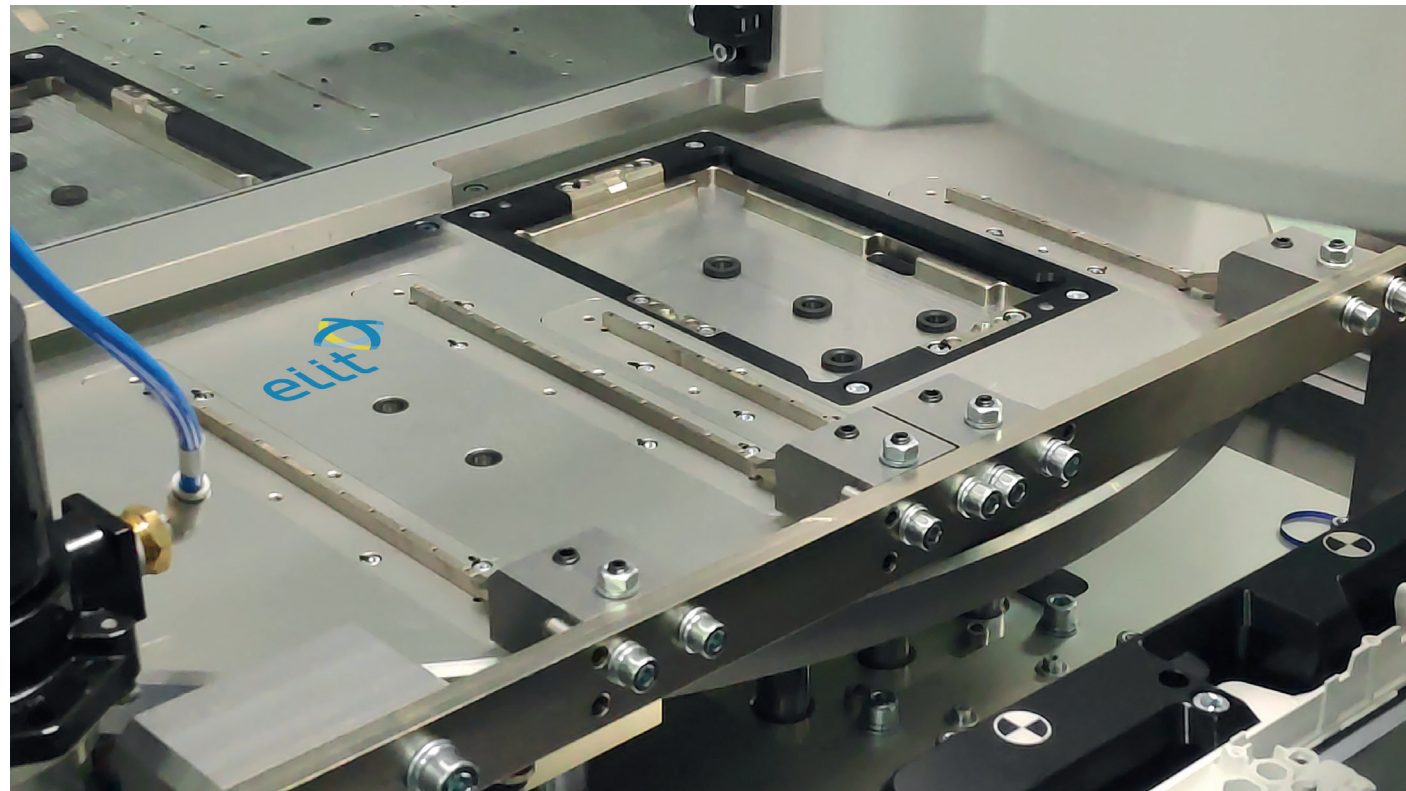
More than 30 years of experience in the design, manufacture and creation of electronic test equipment and assembly lines.

With more than 30 years of proven track record, EIIT has positioned itself as a leader in the field of engineering.

Thanks to the unsurpassed quality of our test systems consolidated know-how, flexibility and capability to react, we are capable of providing our customers with innovative and technologically advanced turnkey solutions at any time.

In a continuous effort to meet your expectations we put effort and dedication into all our daily work. All our Engineering Departments, in their different areas, are focused on developing and managing cutting-edge projects to ensure that each product is manufactured in compliance with all quality and safety standards, while maintaining confidentiality and, of course, ensuring punctual delivery under the agreed conditions.

Our professionals are our greatest strength: a multidisciplinary, highly qualified team committed to quality, boasting extensive experience and a great entrepreneurial spirit.



Our Facilities



We have modern and spacious facilities equipped with all the technical and human resources necessary to ensure optimal process efficiency.

Guaranteed quality



We take care of every detail to meet the needs of our customers, which means we perform strict quality controls in all phases of our production process.

Aeronautics

We design advanced systems for the aeronautical sector in accordance with the specifications and requirements of our customers.



EIIT offers an extensive portfolio with a multitude of products, services and solutions, as well as aerospace and defense projects, focusing all our efforts on offering the best comprehensive solutions. We apply all our testing knowledge to the aerospace industry and defense to develop systems for validation and certification of electronic, electrical, and electromechanical components.

- High experience in aeronautical buses testing: MIL-BUS1553, ARINC429, AFDX, F.O. Integration, STANAG-3838, Digital Video...
- Development of trainers. and high-performance UAV Ground Control Stations

Test Systems	Test Benches Development
FAL test systems	Software test benches
Production improvement tools	Integration RIGS
PFC – Primary Flight Control testing	Crew trainer facilities
HL - High-Lift testing	UAV Shelters
HIL - Hardware in the loop testing	Telemetry ground stations (fixed and mobile)
Real-Time tools	
Functional Testing for advanced communications	
Functional testing for electronic components	

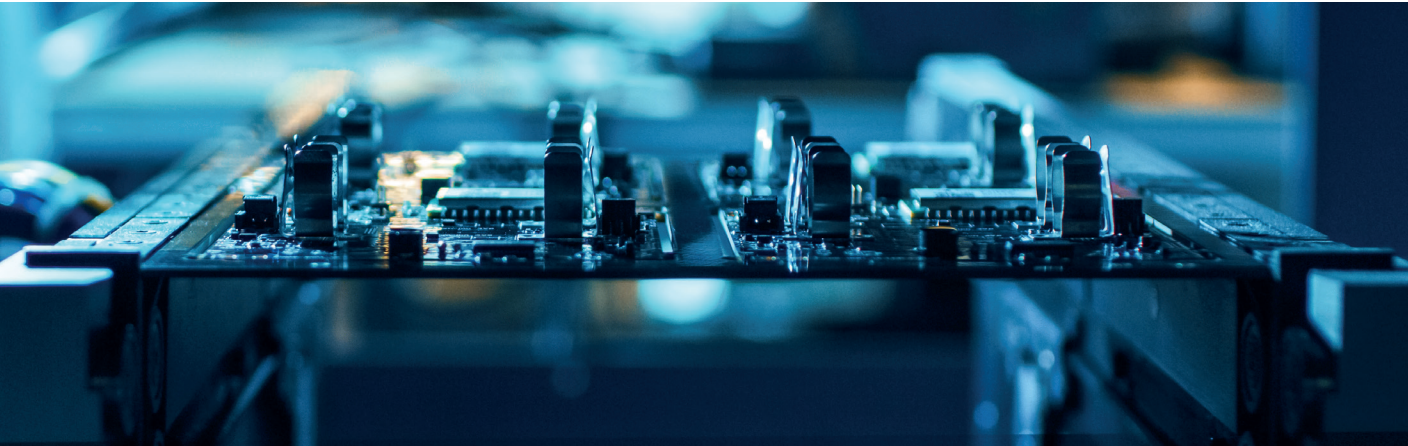
Complete Detailed Mechanical and Electrical Design	High Standards in Documentation Development and Presentation
Signal and power electrical design	Quality certification
Mechanical and ergonomic design	High standards of materials and quality validation
Acoustic and thermal analysis	High levels of project management
FMECA and reliability design	Obsolescence management

Assembly Services and Know-how	On Field Installation
Subsystems and cabinet assemblies	Final configuration in customer facilities
Harness manufacturing	Highly available technical support
Continuity and isolation testing	Worldwide installation and support (Korea, Singapore, Germany, France)
Functional Testing	



Special Test Equipment

We develop functional Test Systems that verify the correct assembly and operation of all types of high-tech electronic circuits.



Sectors

As new products emerge and change, the requirements of the industry also increase and become more and more challenging. Complex products require demanding and versatile test systems capable of complex test cycles. The final objective is to ensure the validation of the final product during the different stages of the production process.

- AeroSpace & Defense

Railways

Automotive
- Telecommunications

Industrial and consumer electronics

Renewable energy

“The versatility and internal cooperation of our work teams is a guarantee that our customers will obtain specific solutions to all their requirements. R&D and innovation is set as a high priority for the adaptation of our products to our clients’ requirements while also guaranteeing compliance with strict quality standards.”

Capacity and Experience

- We have developed test equipment and applications for electronic and mechatronic products and systems since 1986;
- We integrate or develop highly complex equipment;
- We run test sequences in avionics with the very highest safety and reliability levels;
- We maximise the best results at the lowest cost;
- Our engineers have the LabView CLAD, CLD,TestStand and VeriStand certifications awarded by National Instruments;
- We provide the correct solutions, from small test tools to RIG test benches.

Technologies

- ICT/MDA test systems
- Flash programming
- Boundary scan
- Functional testing
- LED testing
- Traditional and modular instrumentation (PCI, PXI, LXI, GPIB, Ethernet...)
- Measurement Instrumentation
- Communication protocols
- Programmable power supply and 4 quadrant stimulation modules
- High and low density multiplexation matrix
- Radio frequency generation and analysis
- Real-Time OS (NI CompactRIO, NI FlexRIO)
- HIL
- Development of systems based on FPGAs and microcontrollers
- Artificial vision
- Traceability and SQL databases



Automation Systems

We design automated systems applying innovation and creativity, adding value to our clients’ and partners’ production processes.



Sectors

We manufacture Automation Systems, autonomous machines and flexible production cells based on joint or customers' specifications, to meet the needs of any project.

We seek to find flexible solutions so that equipment can be reused in the future, whenever feasible, ensuring its return on investment and profitability.

“Due to the synergies obtained between our mechanical, electrical, electronics, control and software engineering teams, we develop comprehensive automation projects, with improved, more efficient and optimised industrial processes. Likewise, many projects involve the Special Test Equipment team to complement automation solutions with a series of tests including electrical, electronic, machine vision, real-time robot control, etc.”

- Automotive industry

Technical plastics

Clusters

Climate control units
- Motor components

Claxon and Electronic Horns

ECU - Electronic control units

HUD – Heads Up Displays
- Infotainment and navigation

Sensors and electronic units

Lighting

Integrations

- Assembly
- Laser marking
- Screw driving
- Metal and plastic welding
- Haptics Test
- Dosing and application of simple and multiple compounds
- Machine vision
- Robot manipulation
- Test systems for longevity
- Pressure cycles
- Lubrication
- Ultrasonic welding
- Transporting and conveyors

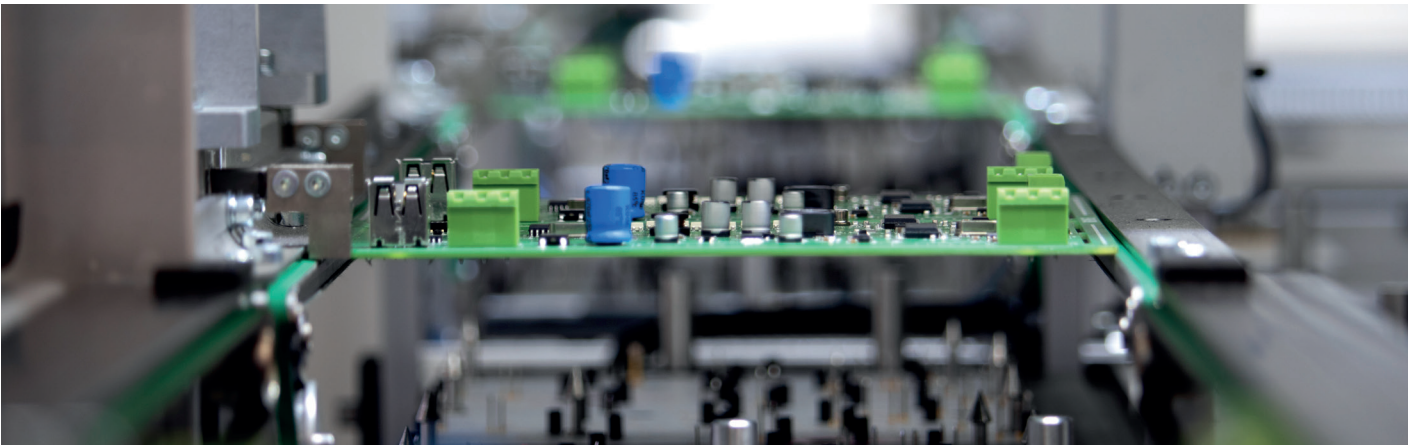
Capacity and Experience

- We cover all the needs of our customers and deliver products and solutions with the best value for money;
- We optimise and improve our customers’ production processes;
- We offer turnkey solutions including design, construction and commissioning of specific systems, standalone machines, flexible production cells and complete production lines;
- We integrate into our automated systems all the different technologies available on the current market.



Solutions, Equipment & Partnerships

Through partnerships with some of the most important players in various strategic market areas and international manufacturers, EIIT represents, distributes and markets world-class products covering the areas of automation and test systems.



Handling

Production and line test equipment for the automatic testing of electronic circuits boards, with manual loading or in-line equipment for high production demand. This equipment may include In-Circuit tests, Boundary Scan, Programming, Functional Tests, LED testing and Machine Vision Tests.

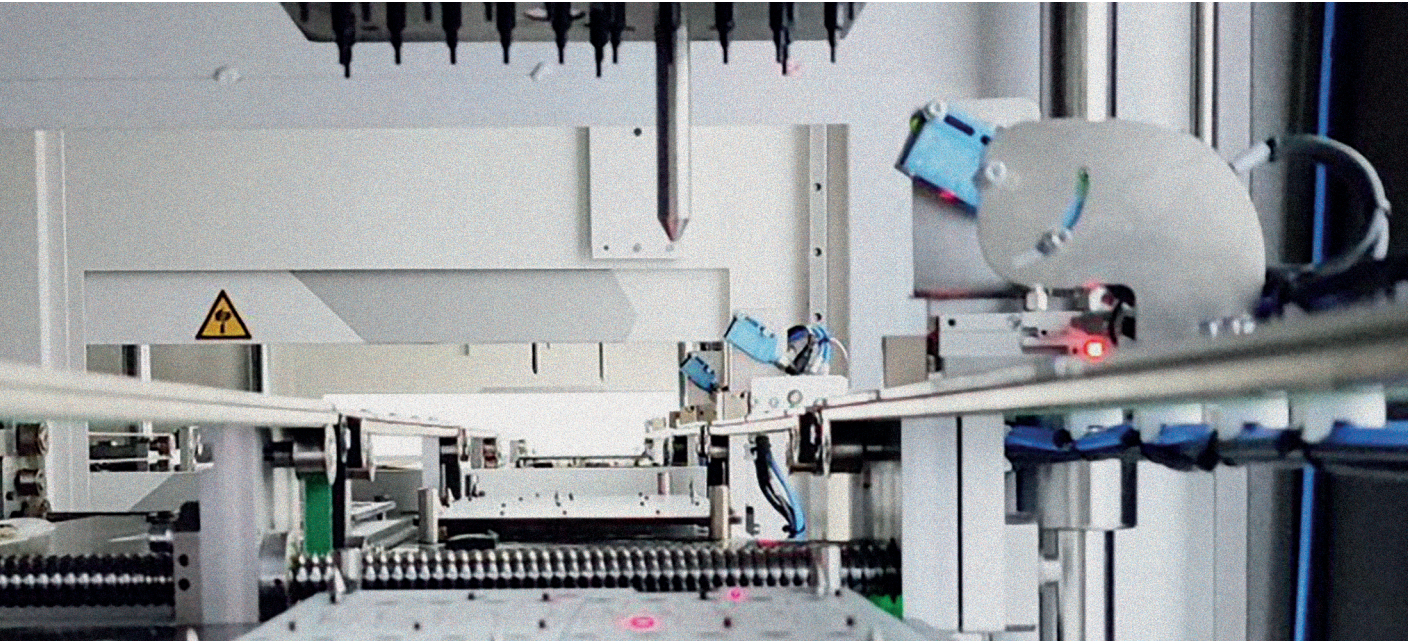
Fixturing

We have a “Fixture House” department dedicated to the design and manufacture of electronic toolings and fixtures (also known as bed of nails). Our processes boast a high level of standardisation and efficiency that allow us to deliver the final product to the customer in the shortest possible turnaround time.

“At every moment, we keep in touch with all our Partners to find out their needs and thus accomplish one of our main goals: to market and support the best product lines ”

Tests
ICT
Digital / Boundary scan
ISP - In system programming
LED testing
ASA - Analog Signature Analysis
Functional
Vision

Integrations	
Teradyne	Goepel electronic
TRI	SMH (Flash Runner)
CheckSum	CheckSum (MultiWriter)
Aeroflex	Feasa
Digital Test	Huntron
Genrad	National Instruments



In-line Handling Solutions



XILS1000

XILS800

XILS800-TSi

XILS600

Partnerships

Below are some of our main Partners, equipment and instrumentation world-class leaders:



MDA & Functional Test Systems



ICT & Functional Test



ICT test systems



High Performance Test
Contacts&Probes



LED Analysers



Complete range of cable test
systems, high and low voltage



Mass interconnection systems



Flexible and automotive solutions for
electronics module diagnosys



Avionics high-performance
Instrumentations



Modular instrumentations for
ATEs



Automotive test
instrumentation



Test and Measurement
Instrumentation



Universal Production In-System
Programming



Test Probes



Crimping machine and Coilers for
electrical cables



Precision tools for cable
manufacturing

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



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



+34 91 890 46 14
info@eiit.com
www.eiit.com

EIIT SA.

Camino Robledo de Chavela, 9-B
28210 Valdemorillo - Madrid
Spain

Aeronautics 

Special Test Equipment 

Automation Systems 

Solutions Equipment & Partnership 

