



ELECTRICAL PANEL

a division of VICI & C.



POWERING
*industrial
automation*
SINCE 1977

index

page

04 YOUR QUALITY PARTNER

06 OUR WORKING SETUP

11 PROJECT PHASES

18 VICI & C. GROUP

Electrical panels FOR INDUSTRIAL AUTOMATION

We design, manufacture, and distribute **electrical panels** for innovation-oriented companies.

We support our customers and their businesses by guaranteeing **quality** and **reliability** while **optimizing production costs**. We do this as a solid, attentive, and competent technical partner.

In a constantly evolving industrial context, **operational flexibility**, and **fast delivery** are a concrete commitment of our service.

Your quality PARTNER

VICI & C. specialises in **industrial automation systems, electrical panels, and optical measurement machines** for companies operating in highly complex markets. We anticipate change, transform production requirements into reliable, tailor-made

solutions, and apply automation to increase efficiency and reliability. We support our customers with **proven technical expertise** and a **proactive approach**, focused on measurable results over time.



Watch the
Electrical Panel
team in action



80

million
turnover

260

people in Italy
and worldwide

5

branches
worldwide

2

international
partners

40

specialised
centres

100%

renewable
energy

10

patents

38

average age of
employees

COMPLEX PROJECTS, CONCRETE ANSWERS

Since 1977, VICI Electrical Panel has been designing, manufacturing, and distributing electrical panels, machine-mounted panels, and industrial automation systems for major international groups.

We guarantee zero-defect products, manufactured within competitive timeframes and at competitive prices.

We provide **complete technical documentation**: functional electrical diagrams, layouts, bills of materials, and PLC program listings. We develop PLC and motion control software on the main platforms on the market. We also design **customised solutions**, including mechanical structures in standard steel, stainless steel, and other materials, based on specific application requirements.

Our technical and sales team supports the customer at every stage: from **prototyping to cost definition**, through to **delivery, installation, testing, and after-sales service**.

Being present means responding promptly to customer requests, building lasting relationships of trust.

OUR VALUES

Passion

Curiosity drives us every day to improve ourselves and our environment, guiding us toward new horizons. We believe in what we do and enthusiastically embrace challenges.

Trust

We value listening and promote open and transparent dialogue. In this way, we help everyone achieve the best possible results.

Customer orientation

We care for our customers, partners and employees. They inspire us to enable them to turn their needs into new opportunities.

Uniqueness

The value we place on people defines our style. We act with respect, humility, and ambition, building a strong sense of belonging.



OUR *working setup*

In the industrial automation sector, **complexity manifests itself in the daily management of interconnected activities**, technical constraints, and increasingly stringent production targets.

The ability to manage this complexity depends on the organisation of work, the consistency of processes, and the precise control of the various operational phases.

It is in this **balance between method, structure, and operations** that the overall result of an industrial project is built.

VICI Electrical Panel
is the partner that allows you to...

1 REDUCING AND CONTROLLING COSTS

The high turnover in the field of industrial automation allows us to maintain privileged relationships with leading suppliers of commercial materials, including customised and bespoke items, guaranteeing **advantageous conditions and competitive prices**.

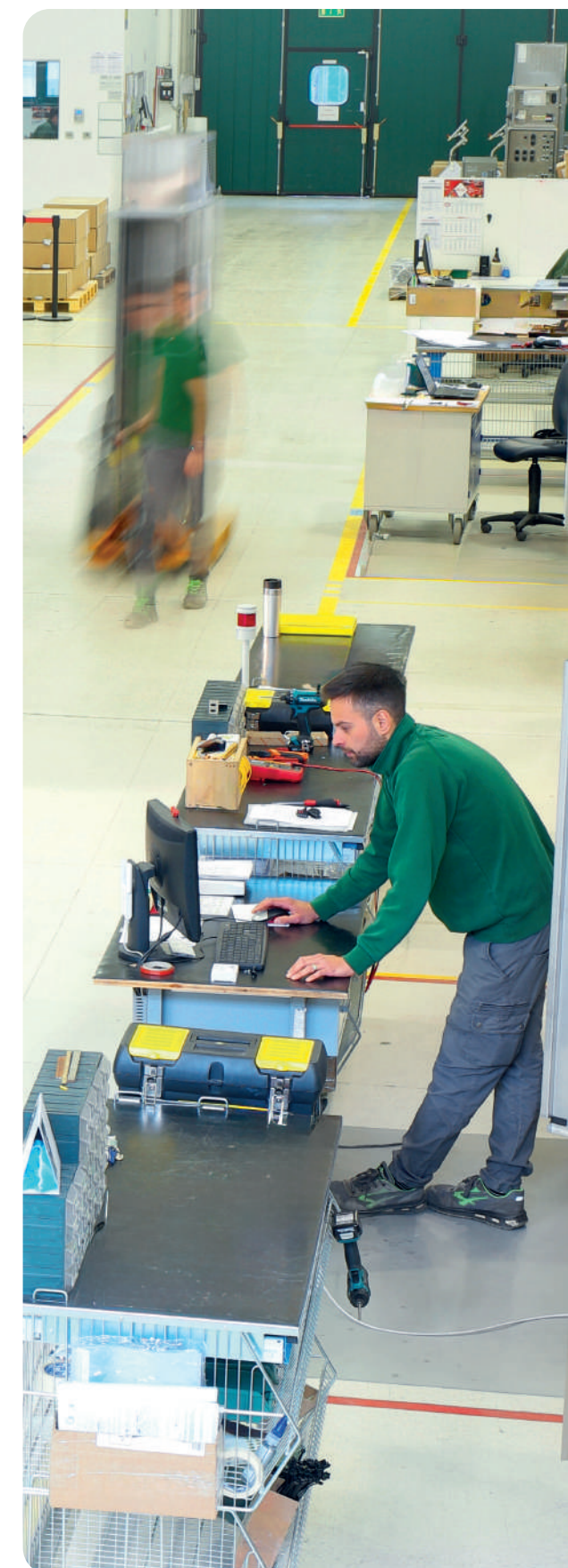
We adopt a **lean approach** geared towards the **continuous improvement of production processes**. The use of KPIs (Key Performance Indicators) allows us to monitor the progress of orders in real time, ensuring compliance with high standards in terms of quality, efficiency, and punctuality.

2 IMPROVE EFFICIENCY ON BOTH SMALL AND LARGE BATCHES

From mass production to single batches, VICI Electrical Panel guarantees flexibility, speed and efficiency thanks to a **modern internal warehouse** and **optimised component procurement management**.

We operate according to **lean production** management approaches:

- Just in time
- Kanban
- Batch management and production
- Single order management and production
- Consignment stock





TAP INTO SPECIFIC KNOW-HOW

Our technical staff uses **advanced design tools** such as EPLAN P8, SPAC Automazione, Sabik, Pro/ENGINEER, AutoCAD and SolidWorks: thanks to these tools, customers receive functional electrical diagrams, detailed layouts, complete component lists, and PLC program listings.

We develop PLC and motion control software on major platforms, including Siemens, Omron, Rockwell, Beckhoff, Schneider, and Eaton Moeller.

We work closely with customers to implement **customised mechanical design solutions**, including standard, stainless steel, and other material structures.

BEING SUPPORTED FROM THE DESIGN STAGE TO THE FINAL DELIVERY

VICI Electrical Panel has a dedicated research and development team that **supports customers in product development** with specialist expertise in mechanical, electromechanical, electronic and software design.

Our technical-commercial team also follows the project in the **phases following design**, guaranteeing rapid prototypes and mini-series, accurate estimates, punctual deliveries and after-sales assistance.

We invest in **estimates** and the **production of samples at competitive costs**, allowing customers to evaluate the solution in concrete terms before entering into a partnership.



GET WORLDWIDE ASSISTANCE

Our mission is to **improve our customers' competitiveness on a global level**.

We have a **network of authorised dealers** in key countries around the world, certified for sales, installation and service. To support this network, we have established wholly-owned subsidiaries in Germany, the United States, Mexico, China, and Korea, dedicated to marketing and after-sales service.

Thanks to native-speaking staff and in-depth knowledge of local markets, we guarantee the same high standards of quality, efficiency, and support everywhere.

When required, **our technicians work directly at the customer's premises** installing electrical panels, on-board applications, and performing general testing of the entire plant.



GUARANTEE CERTIFIED QUALITY STANDARDS AND LONG-TERM RELIABILITY

Our reliability is based on **certified processes and structured controls**. Recognised quality management systems guarantee consistent standards, regulatory compliance, and long-term operational stability.



ISO 9001
QUALITY
MANAGEMENT SYSTEM



ISO 14001
ENVIRONMENTAL
MANAGEMENT SYSTEM



ISO 45001
HEALTH AND SAFETY
AT WORK



QUALITY, METHOD AND RESPONSIBILITY

Regulations

Machinery Directive, Low Voltage Directive, and Electromagnetic Compatibility, as regards the EU and related markets, from which the use of **harmonized European standards** EN arises:

- EN 61439-1
- EN ISO 13849-1/2
- EN 60204-1

UL CERTIFICATION FOR THE USA AND CANADA MARKETS

UL certification is essential for companies that intend to export electrical panels and industrial systems to the United States and Canada, where safety and quality are prerequisites for market access. The **UL508A standard**, specific to industrial automation panels, focuses on protection against electric shock and fire, ensuring high levels of quality and reliability.



Continuous improvement of our processes Kaizen – Lean Thinking

Active **Kaizen workshops**:

- Kaizen Meetings and digital boards (PDCA)
- Kamishibai board (digital)
- Warehouse and production KPI processing and analysis
- Lean Thinking and TQM approach
- KPI monitoring and analysis
- Presentation of objectives and goals on digital boards
- Production progress board
- Daily 5-Minute Meetings for production alignment
- Gemba activities involving all resources
- Periodic sharing of results with the entire company workforce

Sustainability

In 2022, we embarked on a structured path towards sustainability, which led to the publication of our first **Sustainability Report** in 2023, a document that we have published annually ever since.

This commitment focuses on:

- Environmental protection
- People protection
- Technological innovation
- Community development by empowering young people
- Renewal and development of relationships and skills

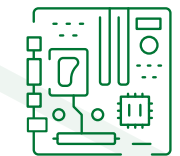


PROJECT *phases*



Request analysis

Project feasibility assessment.



Hardware and software design

Electrical system and complete software design.



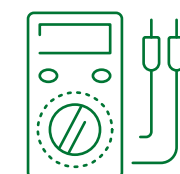
Purchase of materials

- Goods receipt
- Quality control
- Warehousing
- Production procurement



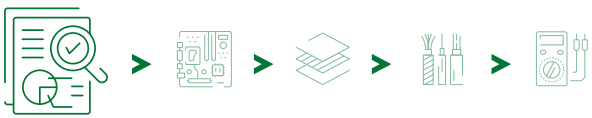
Assembly and wiring

- Assembly
- Cable cutting and marking
- Wiring according to schematics



Testing and functional test

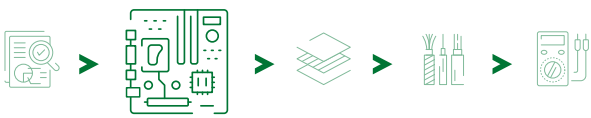
Customizable testing upon customer request (equipotential test, insulation test, pin-to-pin testing, conductor pull test, torque verification for screws and nuts, machine or machine part operation simulation).



REQUEST ANALYSIS

Each project begins with a careful **analysis of the customer's needs**. At this stage, we evaluate the technical specifications, the application context, and the regulatory requirements, with the aim of **defining a reliable, sustainable solution** that is consistent with production constraints.

The analysis allows us to identify critical issues, optimise costs, and plan time and resources correctly, laying solid foundations for the subsequent design and production phases.



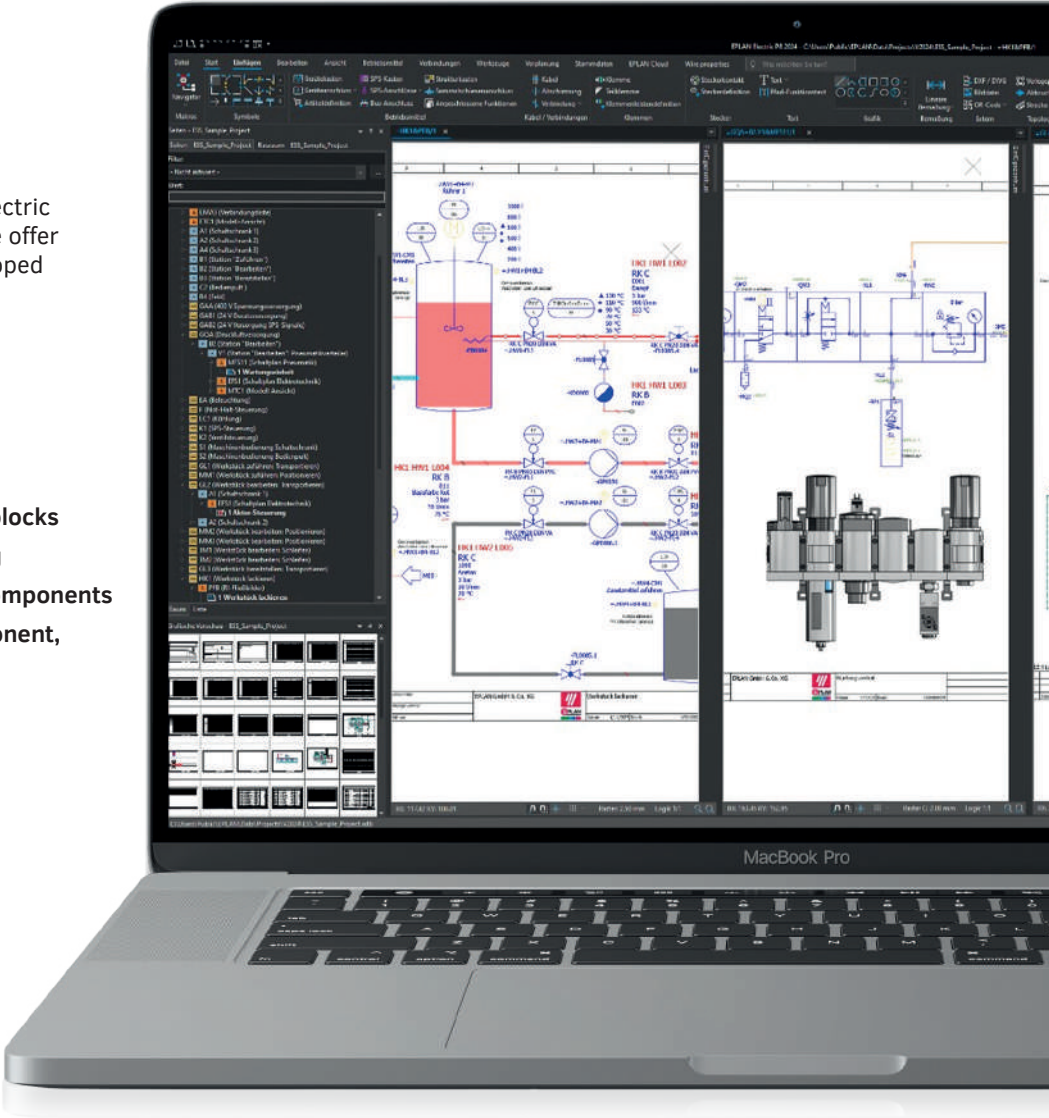
HARDWARE AND SOFTWARE DESIGN

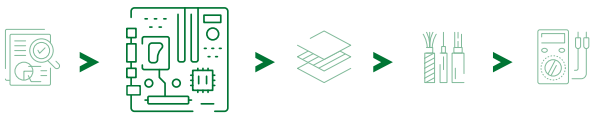
1. ELECTRICAL DESIGN

Thanks to the integration of Eplan Electric P8, together with SPAC and Sabik, we offer a **highly personalised service**, developed according to the customer's specific requirements.

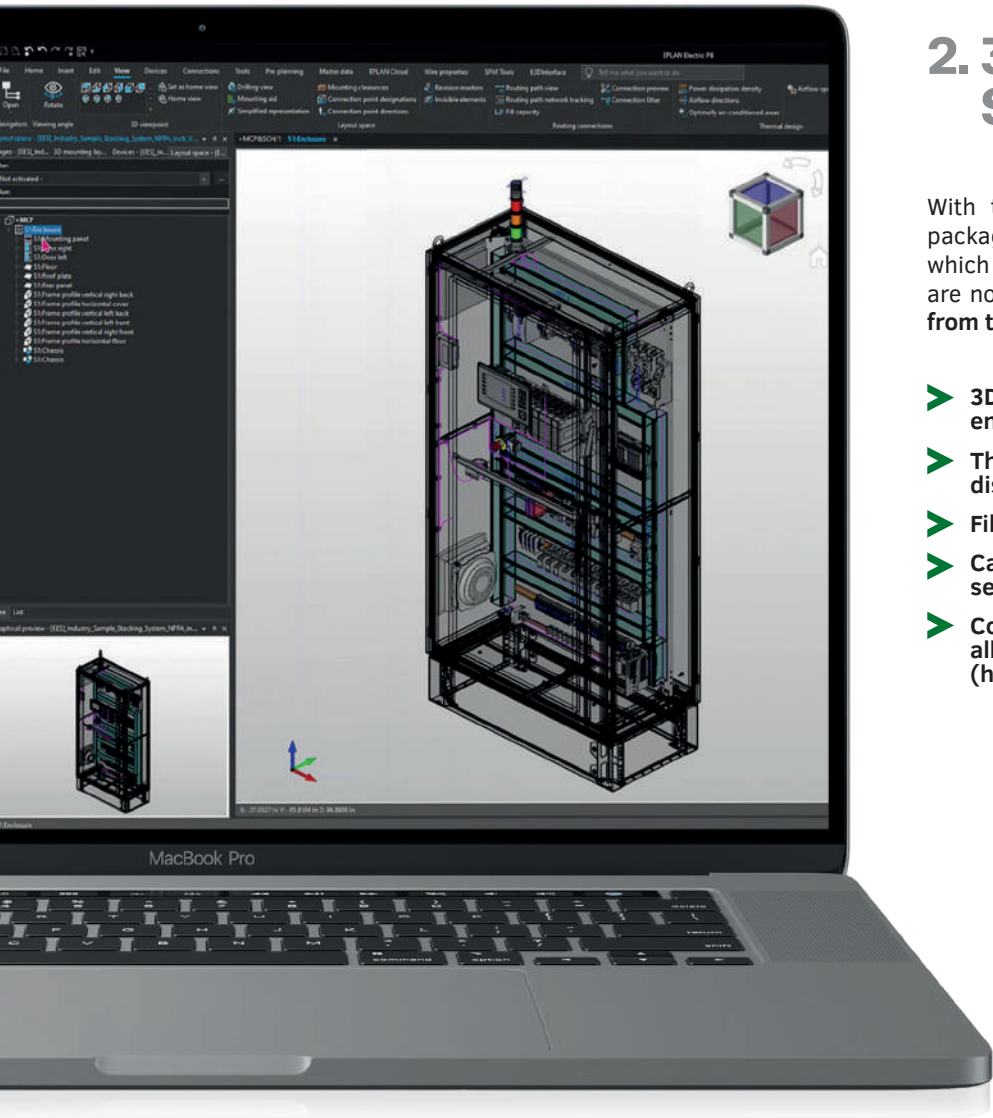
The use of these tools allows for the automatic generation of:

- Bill of materials (BOM)
- Graphic processing of terminal blocks
- Extraction of input-output listing
- 2D layout of electrical cabinet components
- Extraction of Excel file for component, cable, and terminal marking





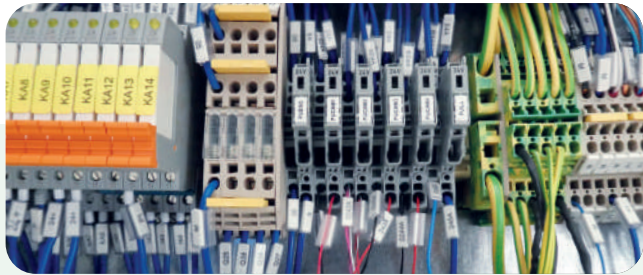
HARDWARE AND SOFTWARE DESIGN



2. 3D LAYOUT STUDIO

With the recent acquisition of the Pro Panel package integrated with EPLAN Electric P8 — which enables the creation of 3D layouts — we are now able to **extract all types of information from the project**, including:

- 3D file related to the perforations of the enclosures
- Thermal calculation of the power to be dissipated within the panel
- Filling factor of the cable trays
- Cable routing assignment in the selected trays
- Complete list of wiring cable cuts with all related lengths and processing (head and tail)

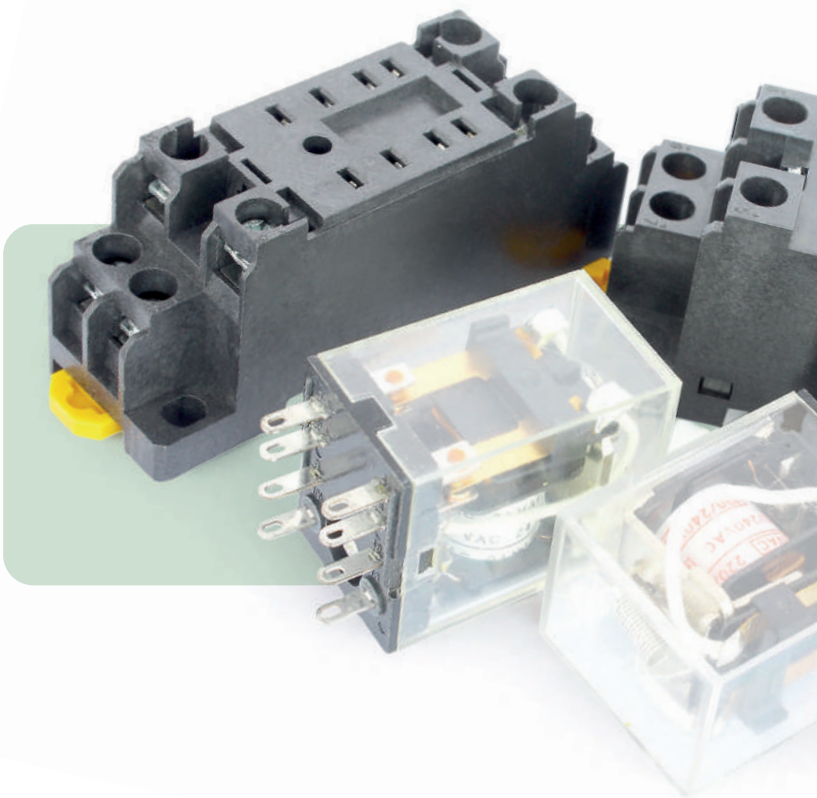


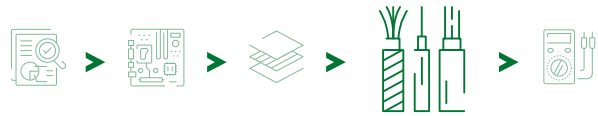
PURCHASE OF MATERIALS

The procurement phase is managed in a structured manner to ensure production continuity, component quality, and compliance with delivery times.

Each material is selected according to the technical specifications of the project and **subjected to thorough checks** upon receipt.

The internal warehouse allows for **efficient stock management** and **rapid replenishment of production**, reducing waiting times and the risk of downtime.





ASSEMBLY AND WIRING

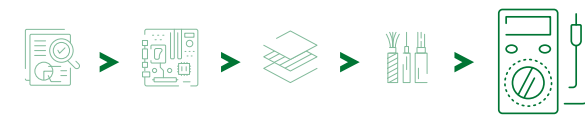
ASSEMBLY

Starting from the layout designed by our technical department, we handle the **placement of components** on the metal plate, strictly adhering to the specified dimensions, minimum distances between electronic components, and all mechanical assembly standards required by the customer.

WIRING

The wiring is carried out in strict accordance with the customer's specifications, including cable marking, use of cable lugs, and colour coding.

We also offer **optimisations**, for example **with regard to the arrangement of cables** in ducts or between cabinets, with alternative types of marking, with the aim of making the supply more efficient and reducing throughput times in production.



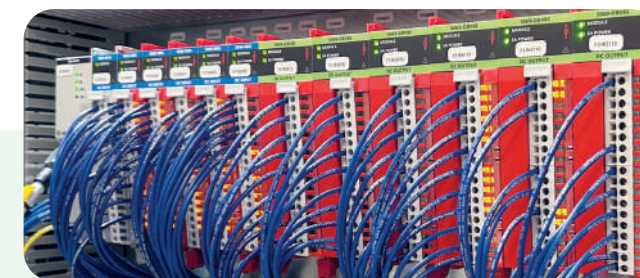
TESTING AND FUNCTIONAL TEST

The **electrical testing of the cabinets** is performed in compliance with applicable CEI, UNI, and, where required, UL/CSA standards.

Activities carried out during this phase may include:

- > Verification of conformity between component placement and the layout
- > Inspection and verification of installed materials against the bill of materials (BOM)
- > Verification of cable exit positions and the lengths of cables exiting the cabinet toward the machine
- > Torque check of screw-terminal components (using a torque wrench for UL/CSA compliance)
- > Manual pull test on all conductors connected to various components
- > Equipotential bonding test on metallic parts of the cabinet, performed using ASITA or HT instruments
- > Pin-to-pin continuity test with dedicated equipment
- > Insulation or dielectric withstand test using ASITA/HT instruments at 1000V for 1 second (per standard 61439-1)
- > Power-on test of the electrical panel
- > Optional test using a simulator provided by the customer or by Vici Electrical Panel

All test reports, checklists, and the certificate of compliance are compiled and included in the documentation delivered with the cabinet.



VICI & C. *Group*

VICI Electrical Panel is a division of VICI & C., a company that also includes two other complementary businesses:

VICIVISION

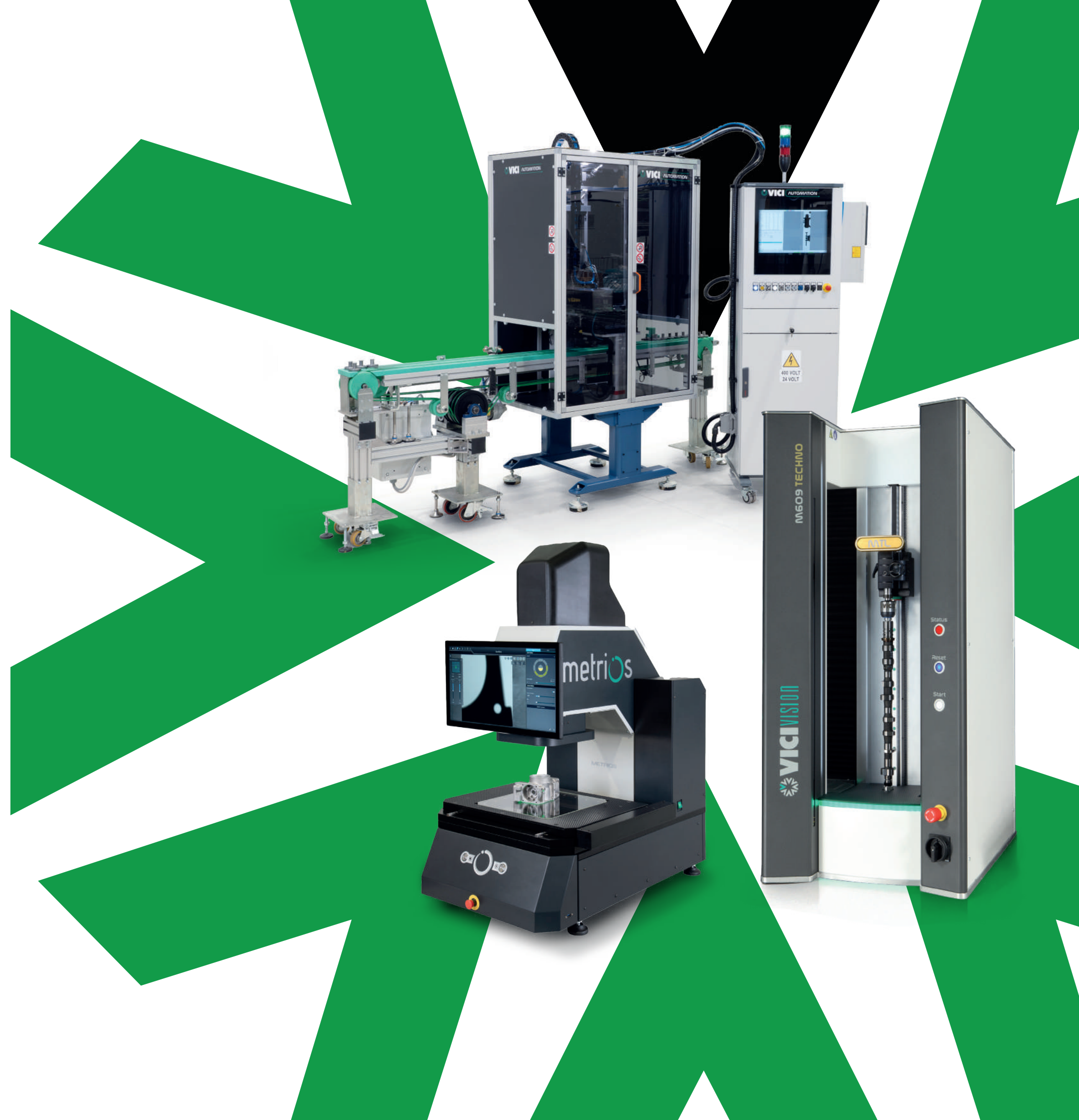
Specialised in the design and production of optical measuring machines for the dimensional inspection of turned and ground parts.

The solutions are designed to be used directly on the shop floor: they improve production efficiency, reduce waste, and ensure fast and accurate quality control.

VICI AUTOMATION

Focused on the design, construction, and distribution of advanced solutions for industrial automation.

It integrates customised vision systems for dimensional and surface quality control, with the aim of optimising processes, reducing errors, and increasing productivity.





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