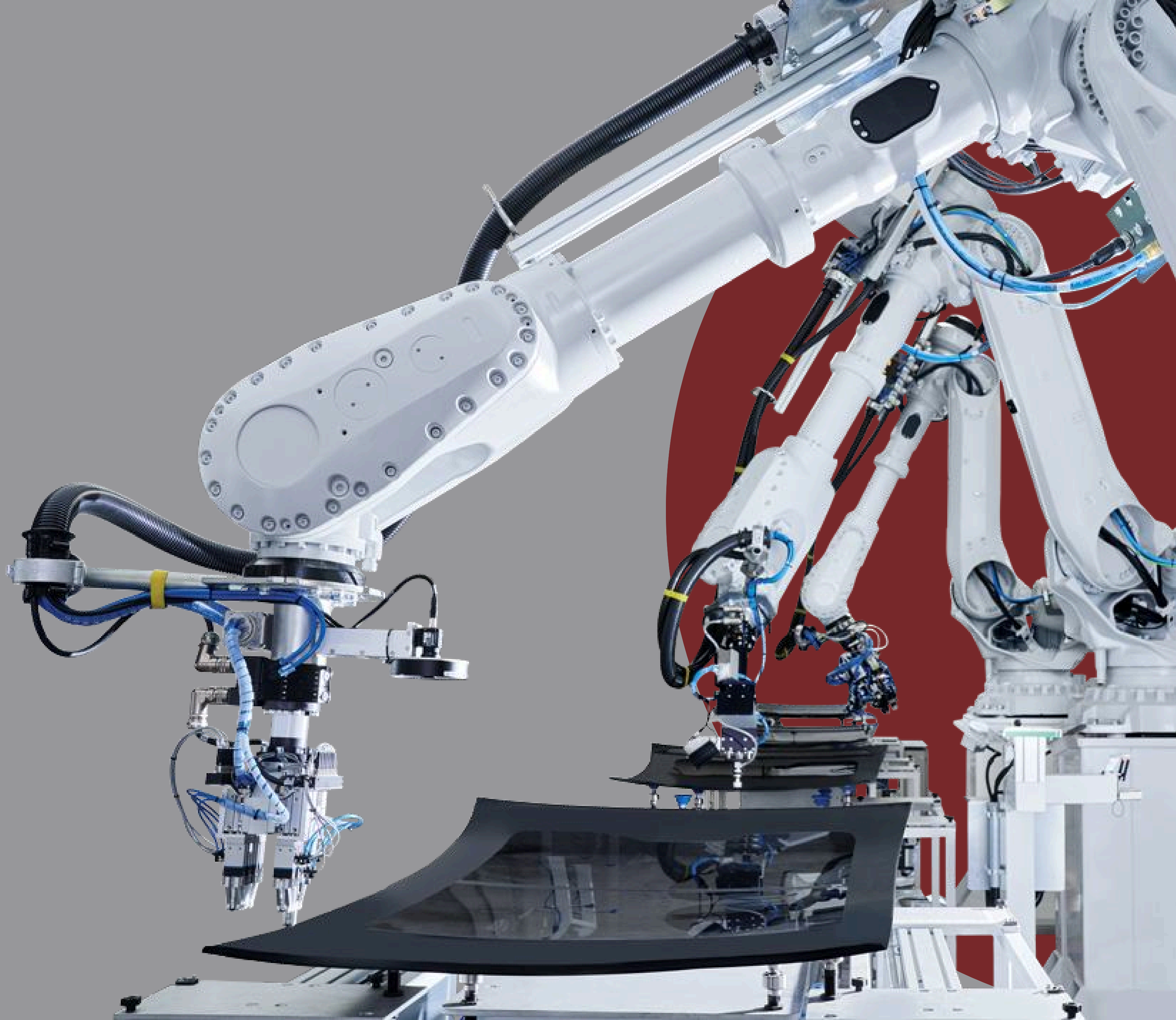




SMART ENGINEERING.
INTEGRATED ROBOTICS.
ONE TEAM SINCE 1975.

COMPANY PROFILE >



Our Approach

We design and implement automation solutions that simplify processes, improve efficiency, and enhance competitiveness. For ICAP, automation is a tool to generate value and build a future-oriented industry.

ICAP sees quality not only as compliance with certified standards, but as a constant commitment to a positive, safe, and responsible work environment. Innovation is an integral part of our company culture: every solution is aimed at improving the customer experience through advanced technologies and continuous research.

We are committed to sustainability by reducing waste through high-efficiency solutions.

We promote healthy lifestyles with initiatives aimed at our employees, contributing to a more sustainable industrial future.



ICAP headquarter



Worldwide installations



Customers

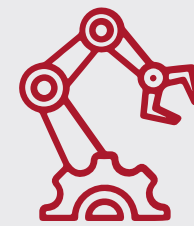


Divisions



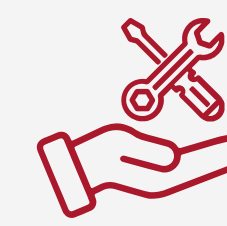
Capex & Engineering

Every project begins with a need. Our challenge is to shape it, guiding the client through every phase from preliminary analysis to implementation. We offer sustainable, high performance solutions to transform ambitious visions into tangible results.



Automation & Robotics

We design and implement automated and robotic solutions to increase efficiency, precision, and ensure production continuity. Each system is developed based on customer-specific needs, integrating advanced control, vision, and collaborative robotics technologies.



Service

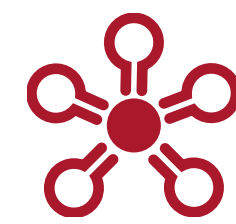
We provide a complete after-sales service designed to ensure maximum efficiency, safety, and long-term durability of systems. From technical training to advanced maintenance, each intervention is aimed at reducing downtime, improving performance, and supporting the technological evolution of systems.



Smart Engineering. Measurable Impact.

WE GIVE SHAPE TO YOUR EVERY NEED STARTING WITH
CLEAR SOLUTIONS AND SHARED OBJECTIVES.

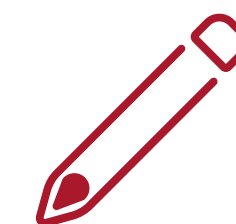




Feasibility Study & Analysis

We study the technical and economic feasibility of the project, analyzing layouts, specifications and operational flows.

- Specification
- Layout planning
- 3D simulations
- Functional pre-design



Design

We design the system in its entirety, integrating multidisciplinary expertise to ensure reliability, performance and scalability.

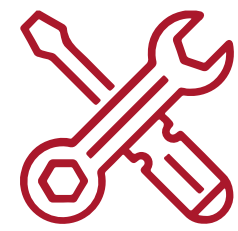
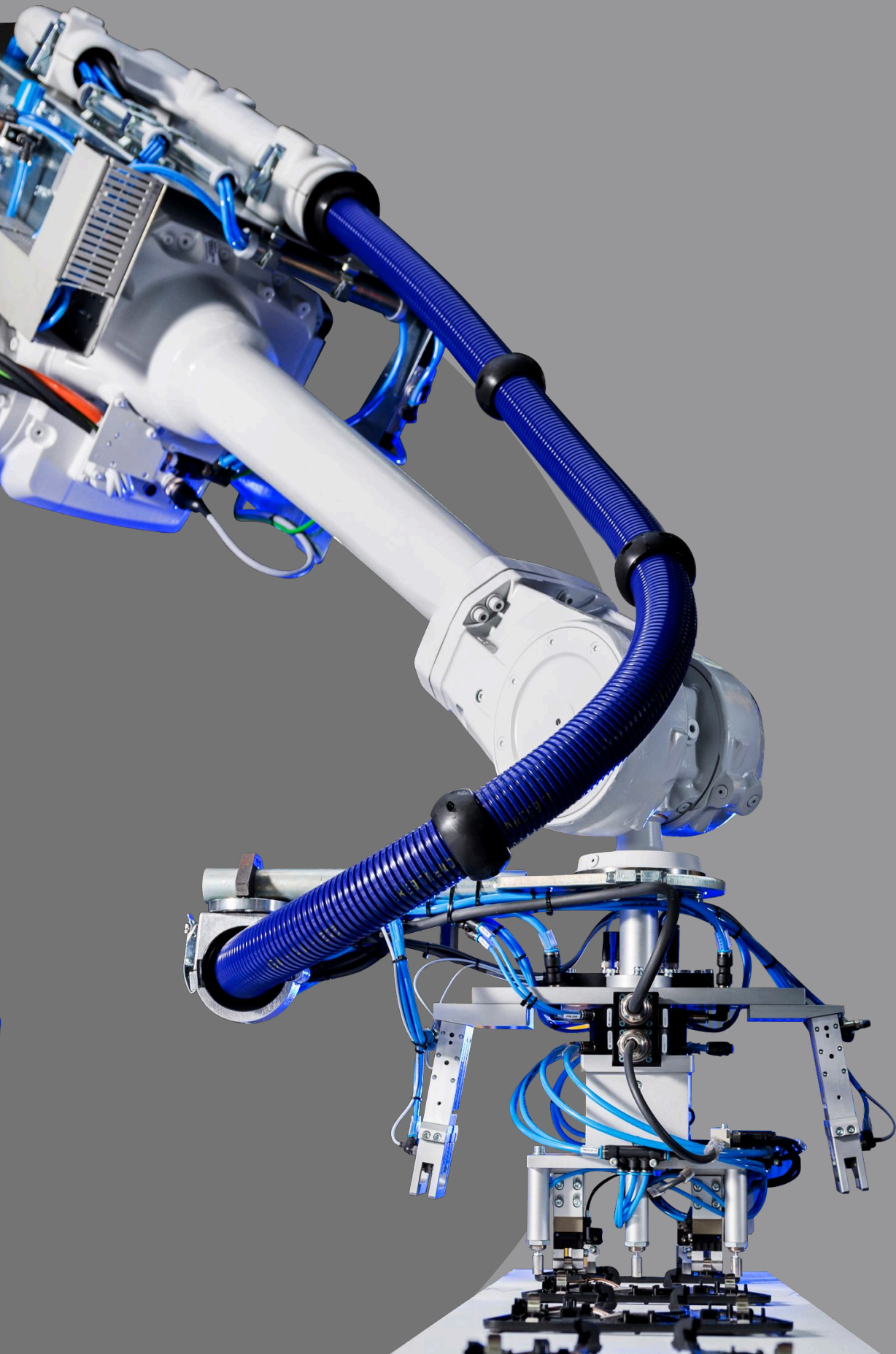
- Mechanical design
- Electrical design
- Software development
- Robotic and motion design



Smart Automation. Scalable Results.

AUTOMATION SOLUTIONS FOR INTERCONNECTION
AND INTEGRATION BETWEEN SYSTEMS.





Manufacturing

We manufacture internally all the main components of the plant, ensuring full control of quality and timing.

- Carpentry and welding
- Mechanical processing
- Mechanical assembly
- Electrical wiring



Assembly

Thanks to our internal departments we carry out the complete assembly of the designed solutions, ensuring total control over time, quality and performance.



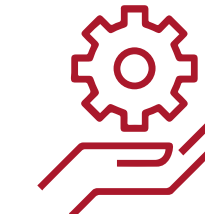
Installation & Mounting

We directly manage the installation and assembly of automatic lines, both on site and at the customer's plant. Each step is carried out by specialized technicians, in full compliance with safety and quality standards.



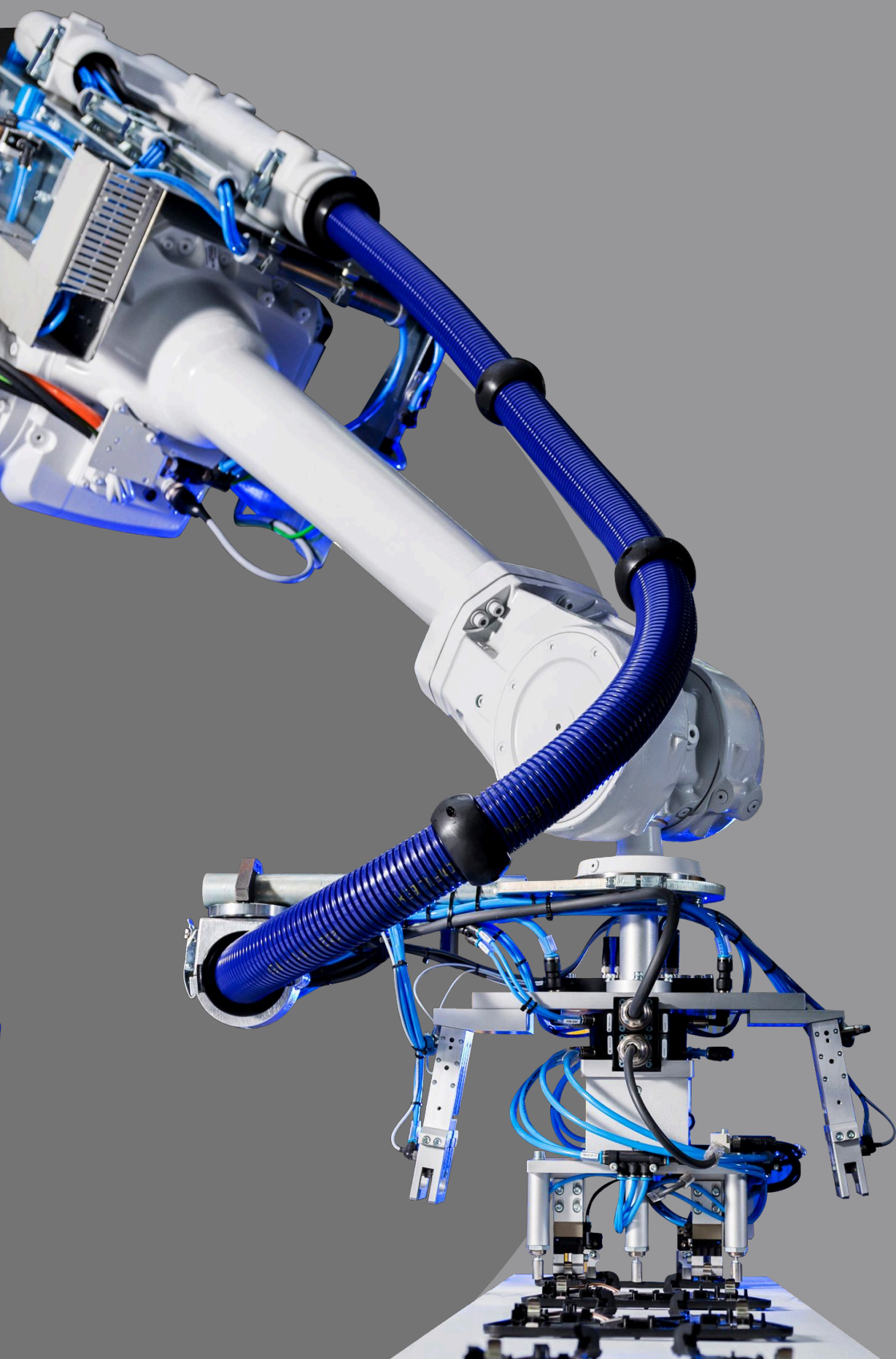
Startup & Fine Tuning

We connect the design phase to the operational one through rigorous tests guaranteeing the full operation of the plant. Our teams perform functional testing, software optimization, operational training and field start-up, ensuring a smooth transition to full production.



Customized

Design and General Contractor for the customization of plants according to specific needs.



Solutions

We build complete automation and robotics solutions developed to ensure efficiency, operational reliability and return on investment.



Glass Robotic
Industry



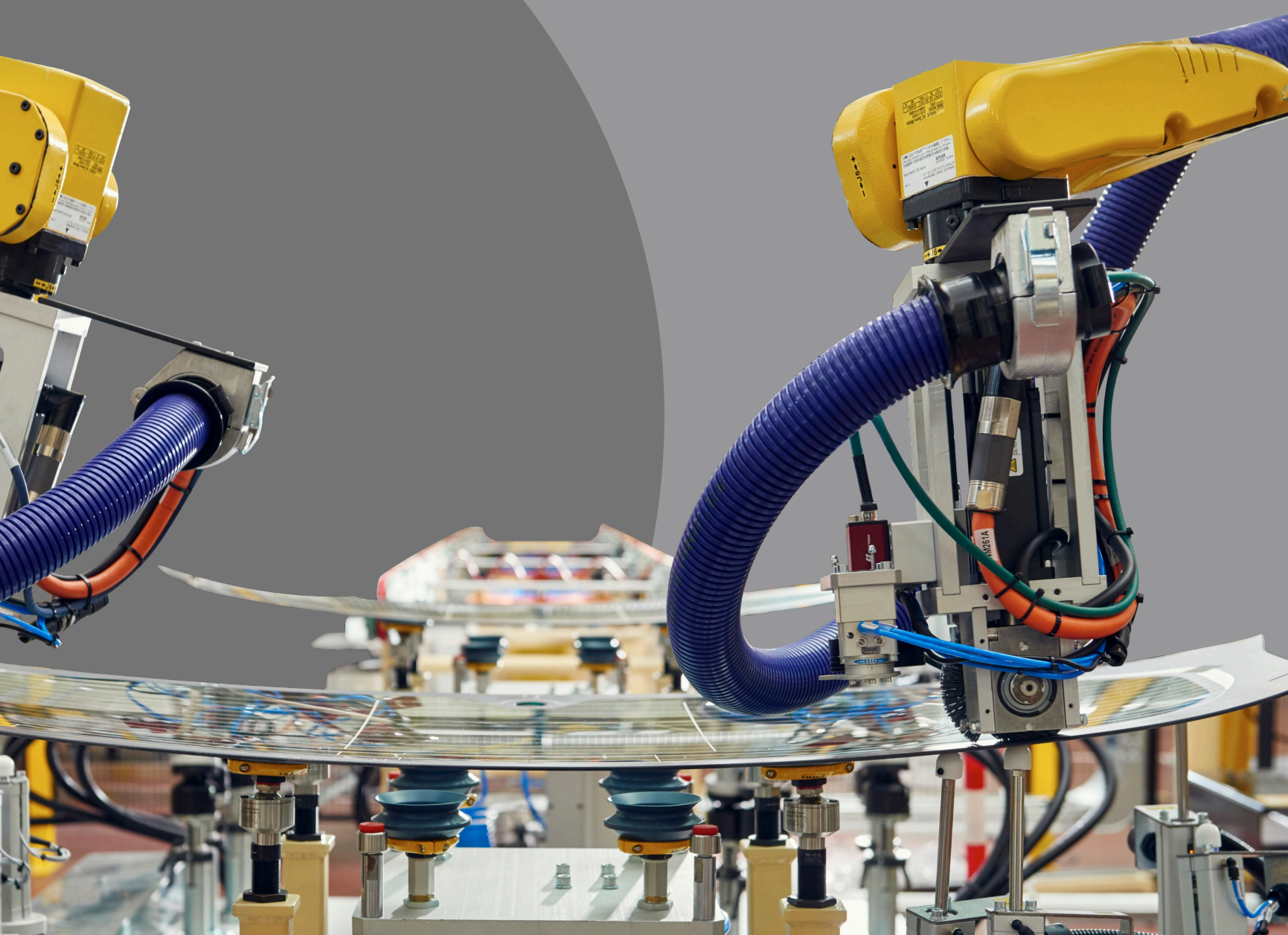
Wheels & Tyres
Assembly



Handling &
Tending



Over 40 years of experience in designing and building systems for the glass industry at the highest technological levels, with a global market. Applications include components, lamination, bonding, measuring, transport, and packaging. Hundreds of different applications, with thousands of installations across 5 continents.



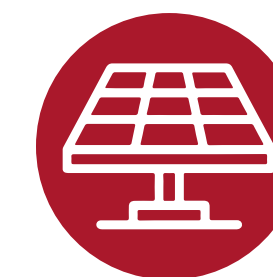
SECTORS



Automotive



Display



Photovoltaic

SOLUTIONS



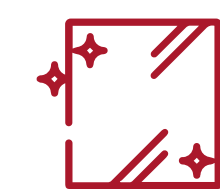
Laminated Glass Process

Solutions for producing double and multilayer laminated glass with high optical and performance standards.



Cleaner, Primer, Extrusion

Systems for preparing and distributing glue and sealant on 3D surfaces using vision-guided robots.



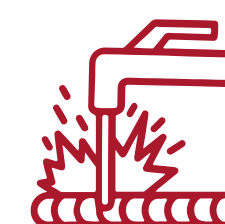
Value Add Process

Automatic systems for applying components such as PIM, spacers, brackets, Elmanet, with feeding and packaging systems.



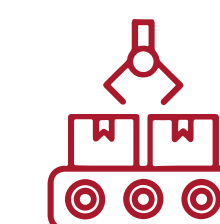
Float Cold End

Automation for the final stage of float lines to ensure efficiency and traceability.



Soldering Process

Technologies for terminal soldering on glass and subsequent functionality testing.



Handling and Storage

Solutions for unloading, lamination, transport, and packaging of glass, integrated with production control and just-in-time flow management systems.





Complete management of the wheel assembly process, from primary warehouses to shipment preparation. Integrated systems for recognition, quality control, and management of product variants from 4 to 42 inches.



SECTORS



Car



Agri & Garden

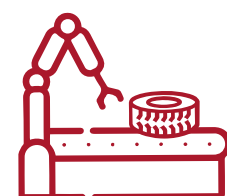


Truck



Bus

SOLUTIONS



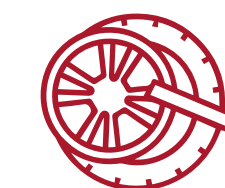
Assembly

Automatic packaging and assembly of rims and tyres with lubrication and deformation control.



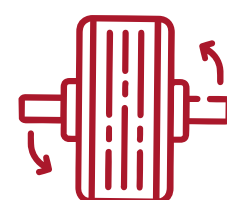
Inflation

Automatic inflation systems from 1.5 to 9 bar with automatic diameter size adjustment.



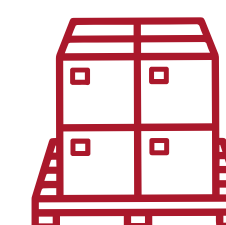
Matching

Balancing optimization systems with optimized imbalance point management.



Balancing

Systems for automatic or semi-automatic application of weights using robots and error-locking systems.



Palletizing

Complete management of inbound or outbound flows of rims, tyres, or palletized wheels.



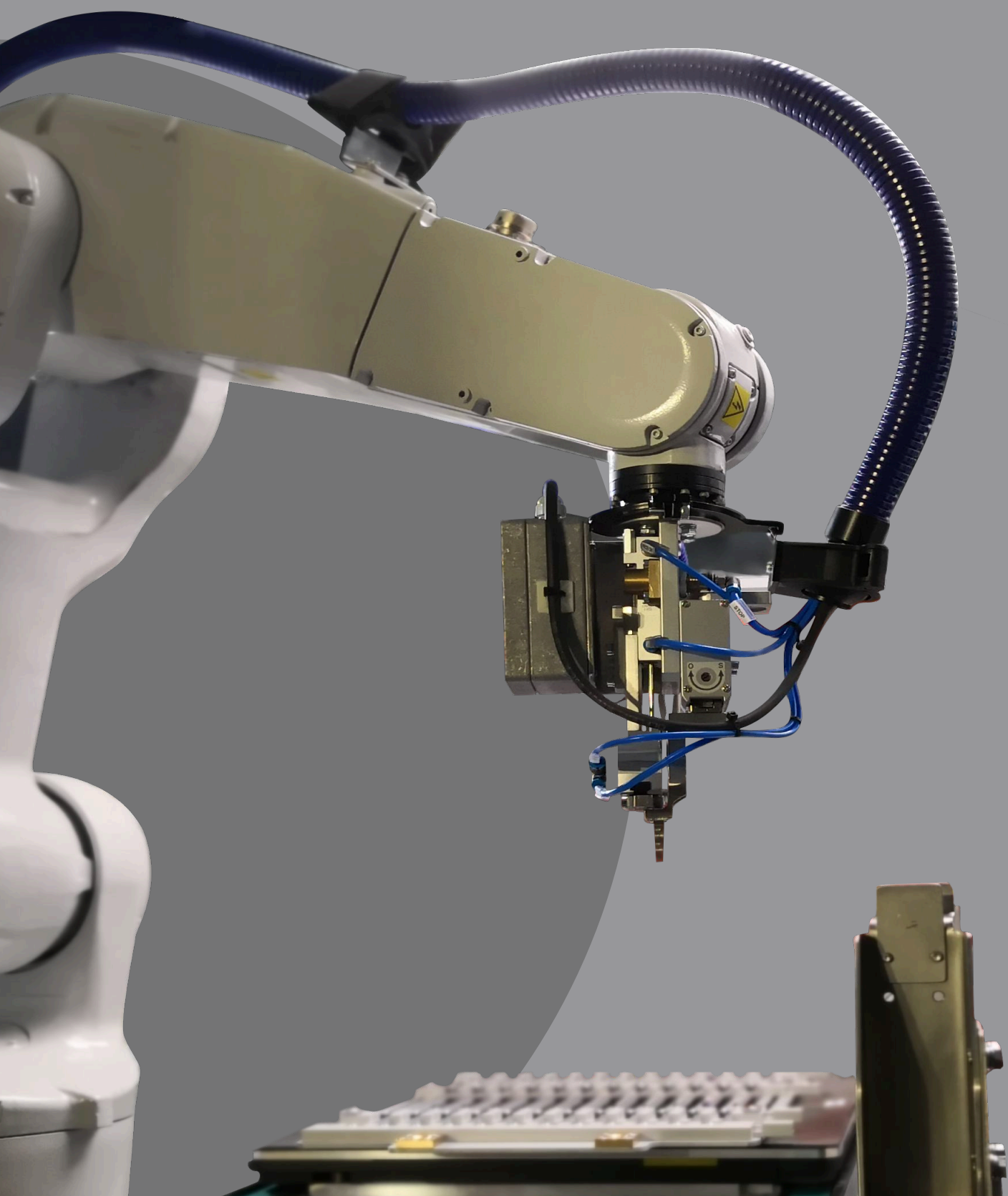
Custom

Custom-designed systems, machines, or warehouses based on specific customer requirements.





Robotic handling and machine loading/unloading systems for a wide range of production sectors. Modular, flexible, and integrable solutions designed to reduce cycle times, improve process quality, and ensure operator safety.



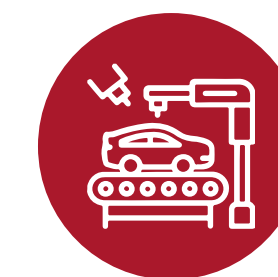
SECTORS



Pharmaceutical



Packaging



Automotive



Food

EXAMPLES OF SOLUTIONS

Automotive Plastics

- Spoiler Gluing with 2-component Adhesive
- Bonding Press Robotic Loading
- Component Surface Treatment
- Component Handling
- Foam Profile Extrusion

Food Industry

- Food-Grade Inox Structures
- High-Speed Palletizing by Vision Tracking
- Boxes Recirculating Systems
- Controlled Environmental Conditions
- X-ray Inspection Loading

Machine Tending

- Soldering Machine Tending
- Loading/Unloading from Pallets
- High-Speed Handling
- Sub-Component Assembly

Medical Industry

- Components Assembly
- Handling & Moving Machines
- Washing & Drying Equipment
- Ancillary Equipment
- Picking, Packing & Palletizing

Converting Industry

- Handling Systems for Reels
- Robotic Solutions
- Accessories
- Logistic Systems



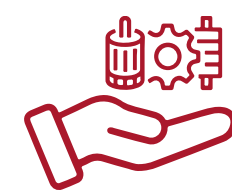


Smart Support. Zero Downtime.

| STOP MACHINE RESET THANKS TO OUR SUPPORT.



SOLUTIONS



Spare Parts Supply

Immediate availability of certified components, with a dedicated spare parts list and purchase on demand.



Corrective Maintenance

Prompt interventions to restore operations and minimize downtime.



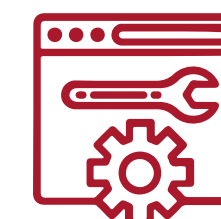
Preventive Maintenance

Customized programs to prevent failures, maximize efficiency, and extend system lifespan.



On-Site Support

Specialized technicians deployed worldwide.



Remote Assistance

Secure connections (VPN or dedicated apps) with real-time analysis; augmented reality shared interventions possible.



Training

On-site sessions and additional updates to ensure autonomy and efficiency in machine use.



Upgrading

Refurbishment, technological updates, and compliance with the latest standards.



CONTACTS

📍 Management and Offices:
Via Coletta 10
04100 (Latina) - Italy

📍 Registered Office:
Via Coletta 10
04100 (Latina) – Italy
C.C.I.A.A.: 133934
Partita IVA: 01944030590

📍 Shanghai Address:
Room 101-JT10350, Building 6,
no. 2222 Huancheng Road,
Juyuan New District, Jiading District, Shanghai

☎ +39 0773 26271

📠 +39 0773 262746

✉ info@icapgroup.it

☎ +86 18621587933

✉ icapshanghai@163.com