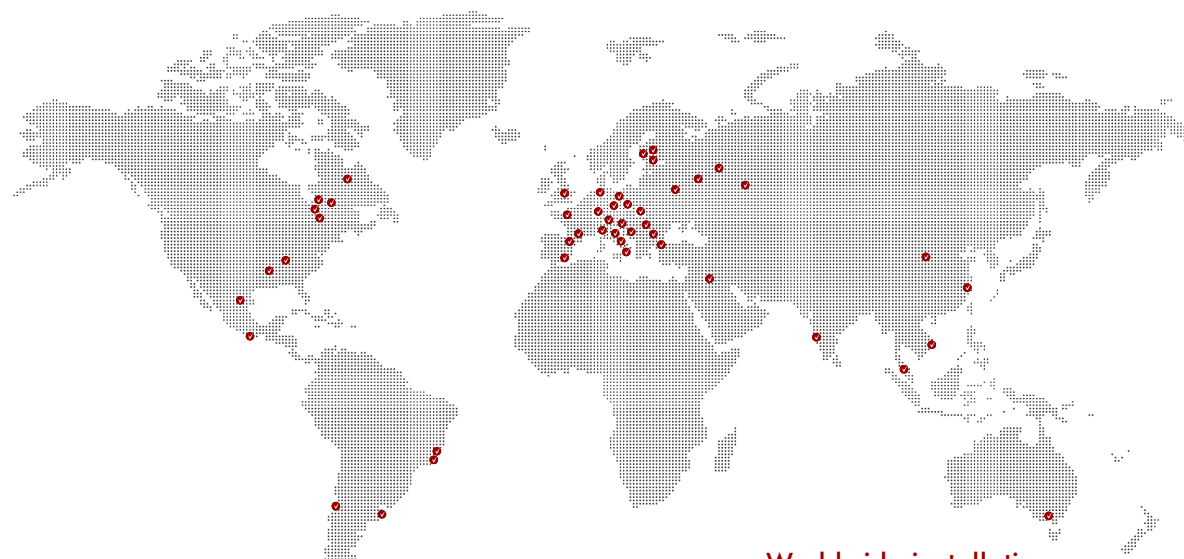


**IOCCO**  
technologies

# DOT



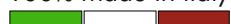
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# A Competent Partner in industrial automation processes



We operate in the design, construction, assembly and installation of machines and plants to process in various production sectors, including: Automotive, Iron & Steel, Glass and Appliance, paying the most attention to efficiency and high-tech to meet the targets expected by the applicant.

The services cover all steps of the project starting from the feasibility study up to the realization, testing and commissioning at the production plants.

The skills gained operating on international markets, enabled us to be constantly confronted with growing competition and extreme pressure on times and costs.

Our goal is to supply customers according to their technological support (process) and with our technical experience to define solutions in line with the expectations of the reference markets.

Feedback from our technicians involved in the installation and after-sales support phases is the key to analyze the job done.

This flow of information, constructively discussed and analyzed, allows the development of ever more performing machines and systems, continuously improving both the quality target, the flow rate, the operator safety as well as the construction costs.

# Competence, quality and confidentiality; all the basics to compete



Experienced workers are the guarantee of result, moreover we employ external professionalism and processes according to needs and specific cases.

This corporate strategy, which has been widely used currently, has led to a significant reduction in fixed costs and greater efficiency, guaranteeing in addition to product and service quality, a good level of competitiveness on international markets.

A further competitive advantage is represented by the possibility of being able to draw on increasingly high-performance technologies for the production of parts.

All external professionals are properly informed and trained in order to operate within our processes, particular attention is paid to compliance with all standards, always formalized and signed, in terms of development and confidentiality above all.

The activities are carried out on two operating offices: the Headquarters in Vasto (CH) Viale Unione Europea 36, with an area of 8,200 square meters, of which 3,200 are covered, a strategic location both in terms of logistics and services.

The second (historical) plant, based in Cupello (CH) via del progresso 1 is 12km far from the Headquarters; it has a surface of approximately 2,700 square meters of which 1,700 are covered.

The plant in Vasto is divided into three separate spans and suitably segregated to guarantee the confidentiality of different projects coming from various customers; the second plant located in Cupello is on a single span.

All the plants are adequately powered and inside them there are special bases with locks for installation and testing of machines and robots, this allows us to carry out tests and inspections simulating the production in a realistic final setup.

# Equipment and lines in accordance with customers' requests.

## From feasibility study to after sales support.



We propose ourselves as PARTNER to be a support from the first feasibility study phase, up to the realization of innovative machines and lines for industrial productions, providing the following services:

- ✓ Feasibility studies
- ✓ Engineering
- ✓ Process simulation
- ✓ Software
  - Vision
  - Robot
  - Plc
  - Hmi
  - Scada
- ✓ Construction, assembly and installation
- ✓ Pre-acceptance test
- ✓ Installation, Commissioning, Training and After sales support





### ✓ Feasibility studies

We propose our service from the preliminary study phase; our technicians, coordinated by the Project Managers, collaborate with the technologists of the client companies developing solutions in line with their final expectations.

### ✓ Engineering

Customers evaluated our Engineering development and project management as our strength skills. The engineering dept. is mainly composed of senior designers with more than 10 years of experience, while junior designers are employed for the development part only. A technical manager (RTE) coordinates the activities of the project managers (PM).

### ✓ Process simulation

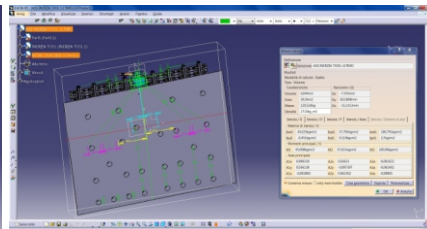
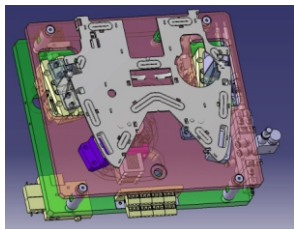
The validation phase of the project is fundamental.

Thanks to the technologies used, and where requested by customers, this phase is satisfied through the use of virtualized simulation software, in this case the analysis phase is simplified by FMEA.

### ✓ Software

Our software technicians draw up the operating cycle of each single machine in TEAM together with the mechanical designers and customer processors, then proceed with the process management software development in industry 4.0 philosophy on PLC, Robot, Vision, man / machine interface systems (HMI) and PC based systems.

During the software writing, particular attention is paid to the processing of data in intermediate thresholds that can predict an imminent anomaly of the machinery.



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### ✓ Construction, assembly and installation

Special attention is paid to the construction, assembly and maintenance of the individual parts since the engineering phase.

The knowledge of the latest production technologies is fundamental, every single detail is made with innovative machineries that allows to contain costs and increase the quality target.

The assembly is performed by validating every single detail preliminarily

Another essential step is the revision of the project for the implantation; This phase is useful also to check the correct maintainability of the individual components.

### ✓ Installazione, commissioning, training & After sales

Installation, commissioning and training complete our offer.

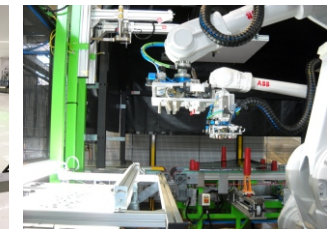
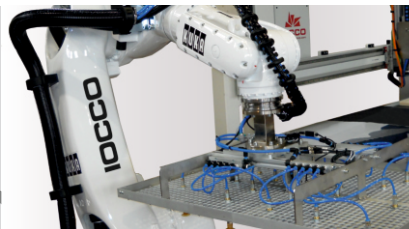
The first fundamental goal for a successful project is to transfer management capacity and autonomy to client's technicians, as well as guaranteeing simple traceability and availability of materials, and last but not least responsiveness to provide the right support as soon as required.

Brands selected:

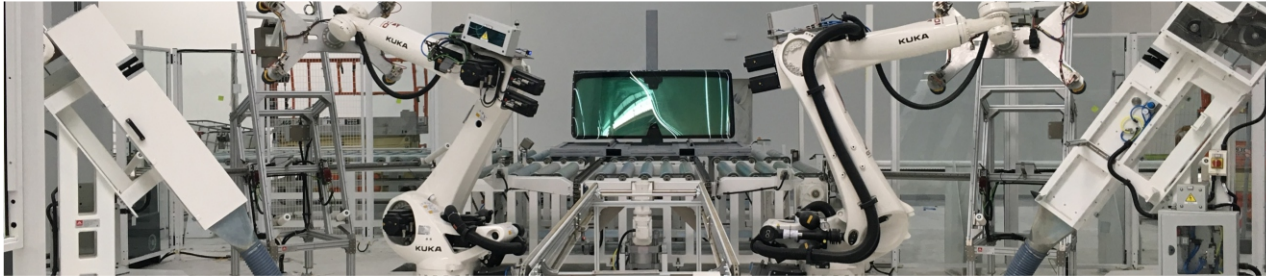
**Rockwell Automation** **SIEMENS** **OMRON** **FESTO** **SEW EURODRIVE**  
**COGNEX** **ABB** **pilz** **KEYENCE** **RITTAL** **BALLUFF**

**KUKA**

Official System  
Partner



# Integration and interaction between systems, the basis for industry 4.0



A good process control is the basis of competitiveness, both based on product quality and production capacity. Fundamental is the understanding and managing the progress of the process data from the field. Our TEAM has developed the ability to select and process only its own data with the continuous implementation of a structural software standard that includes all the installed devices. Particular attention is paid to continuous information and training on the new systems offered by the market both in terms of sensors and actuators and PLC, Robot, Vision, human / machine interface (HMI) and PC-based systems. The strength of IOCCO is the ability to integrate complex systems.

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We schematically represented one of the different systems in turn-key solution intended for the assembly and testing of complex components for the Automotive sector on below.

The system consists of:

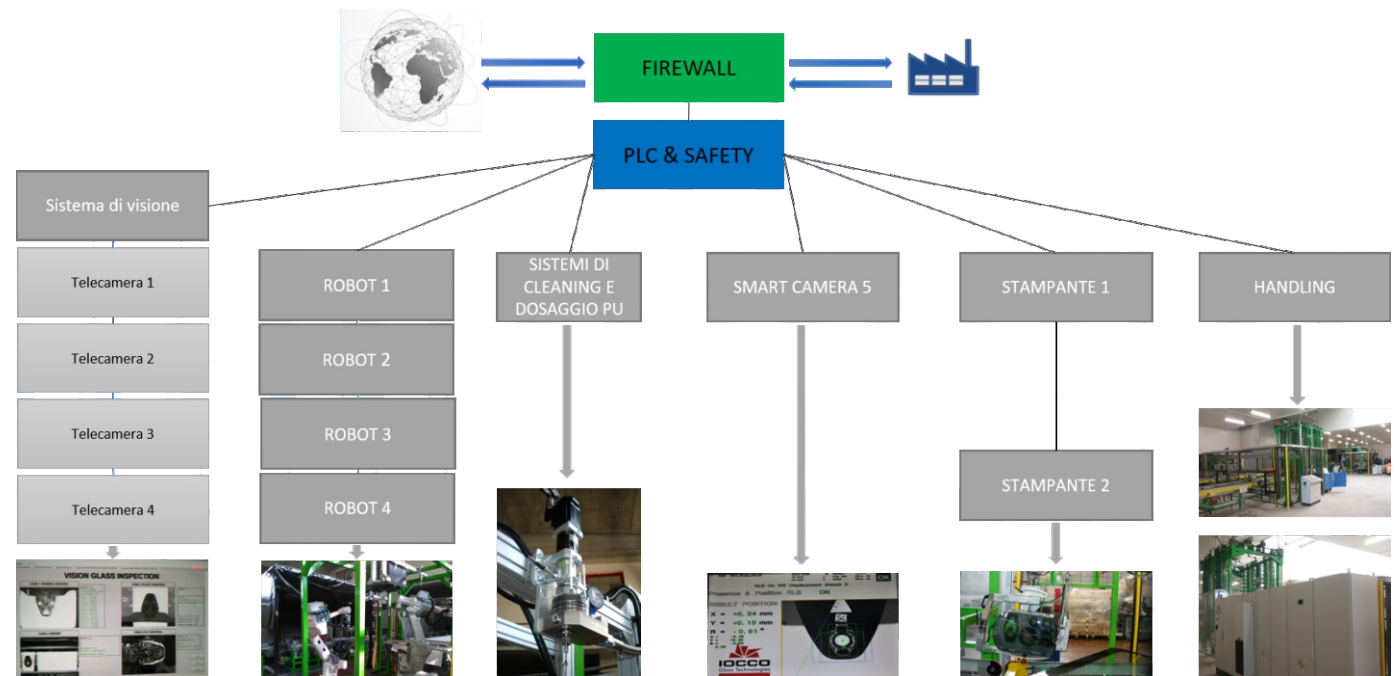
- A hi-speed vision controller, with four 21Mpx matrix cameras and specific illuminators
- Four six-axis anthropomorphic robots in safe operations configuration
- Two polyurethane feeding systems with pressing plate
- Two extruders controlled by brushless motors and four analog pressure switches
- Two surface treatment systems in Plasma treatment technology
- A final application control system with the use of Smart Camera vision and specific illuminator
- An analog system consisting of six LDV linear transducers
- Two printing systems with automatic applicator

All the systems used are carefully evaluated, tested and selected with the aim of making the system reliable and manageable by a single network protocol and a single platform.

The plant to which it refers is also composed of an articulated handling which carries out a series of further activities from the loading of individual components to the final packaging.

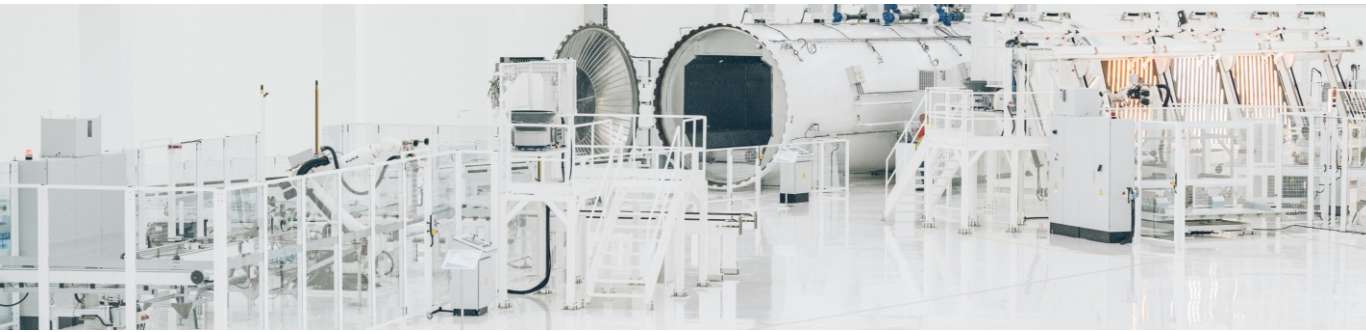
As in most of our systems, the management software is developed on the basis of an ideal operating model that takes into consideration every single sensor / actuator. The variance of the analog data in correlation with the specific time-outs is constantly monitored by the PLC controller.

As the ideal conditions vary, the system issues a Pre-Alert, this signaling allows operators to check, and possibly intervene, even before a possible production block.



All the data present on the system are processed and filtered in accordance with customer's needs and made available, behind FIREWALL security systems, both on the local Intranet and in VPN mode on Internet connectivity.

# Reliability, quickness and results, are our strengths



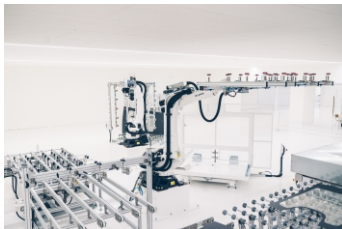
Attention to the customer, quality, reliability and constant updating of skills have allowed us to retain important multinational customers.

The level of confidence increased over time toward us, in addition to constant reliability, allow us today to be involved in the assessments of important projects worldwide.

The construction in Europe of the first automotive glass production plant with Smart Factory solution involved our team as developers of the feasibility study and then as supplier of most of the processes.

Mentioned plant has over 20 anthropomorphic robots installed with the same amount of artificial vision systems, as well as various machinery for specific processes.

To date, IOCCO plants also produce parts for:





# Production continuity, capacity, quality and competitiveness over time are secrets of our customers

## AFTER SALES SERVICE

We also follow the customer at the end of the supply by offering qualified after-sales services, indispensable especially in the early stages of using the more complex installations in which operators must master the system.

We can provide constant monitoring and a remote assistance service, with immediate interventions via VPN connection for rapid diagnosis and resolution of any problems.

## TRAINING

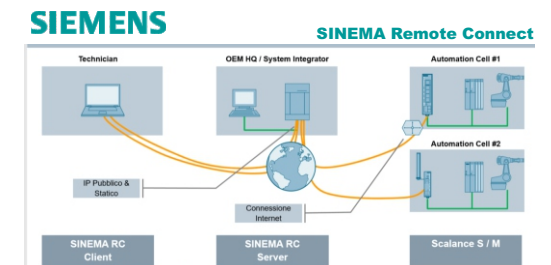
We provide training to customers' staff in order to complete all phase of testing.

This phase is carried out directly by our specialists and customized with the aim of making customer staff as independent as possible not only in the management of the system but also in the diagnostic capacity and recovery of any anomalies.

### After-Sales Service

- Spare parts supply
- Theoretical and practical professional training
- Remote assistance in a customized solution
- Preventive, ordinary and extraordinary maintenance
- System upgrade

preferential remote connection:



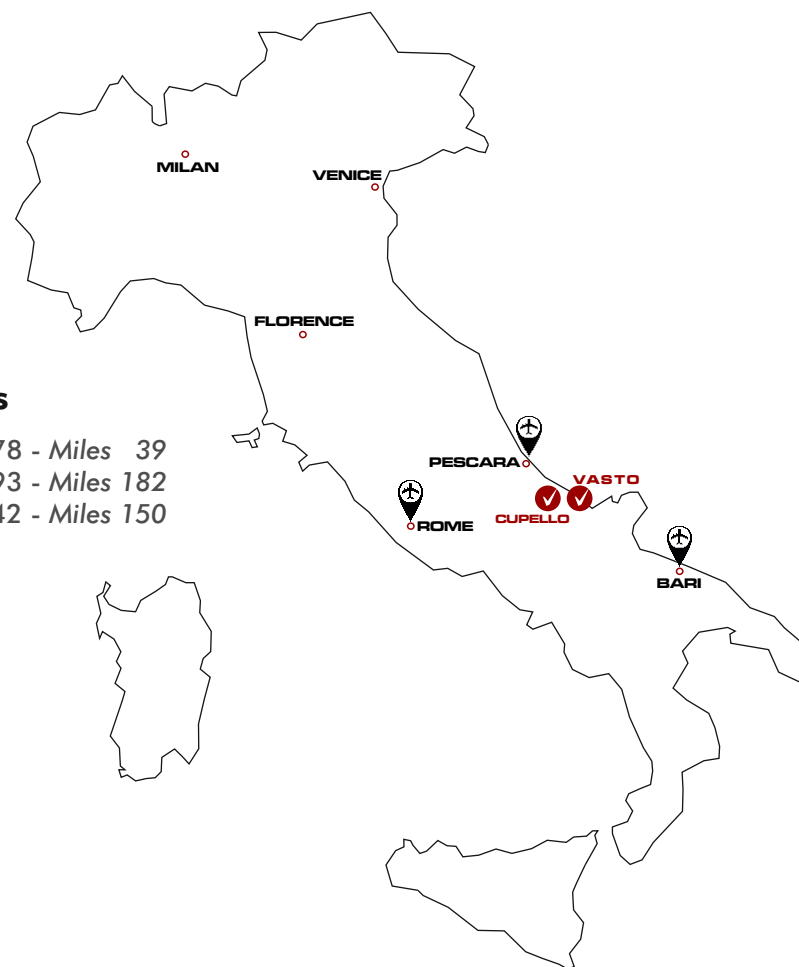


# Our contacts



## nearest airports

Pescara (PSR)	km 78 - Miles 39
Roma (FCO)-(CIA)	km 293 - Miles 182
Bari (BRI)	km 242 - Miles 150



## **IOCCO srl** **headquarter**

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