

ROBOTIC AUTOMATION

Your partner for the industrial automation



WORK PHASES

BELOTTI ROBOTIC AUTOMATION: YOUR PARTNER FOR THE INDUSTRIAL AUTOMATION

Belotti Robotic Automation is the business unit specialized in the design and supply of robotic lines and cells, manufactured in accordance with the customer's needs and with the aim of optimizing the production processes.

Belotti Robotic Automation offers **highly customized turnkey automated solutions**: the business unit exploits the technical synergy between the competence gained in more than forty years of experience as a manufacturer of CNC machining centers, and the deep knowledge of the industrial automation processes. Creating a new robotic plant does not only mean integrating anthropomorphic manipulators, but also designing the whole context: **special machinery, warehouses, feeding and control devices**.

Belotti Robotic Automation operates to automate complex processes in different industrial sectors: **automotive, aerospace, marine, composite or plastic industries** are just some of the most common application fields.

The division offers tested technological processes covering all robotic applications, from a simple loading/unloading cell to the most complex assembly plants.

The design of automation systems can be applied both on existing systems (equipped with customer's CNC), as well as on a whole production process, taking advantage of **BELOTTI INTEGRALE** technology (Belotti CNC + Automation process).



1

ANALYSIS AND DESIGN

Technical competence and experience are at the basis of Belotti solutions. Our Technical Sales Department is the place where the creative process of automation systems originates: we are always looking for efficient and innovative solutions.

ENGINEERING

We design bespoke solutions in accordance with the specific requests of the customer. All projects are rationalized and engineered. The solutions range from robotic lines to automation cells, which can be integrated with anthropomorphic robots.



2



3

PRODUCTION AND INSTALLATION

Once approved, the entire project is assembled and tested in Belotti. Through the supply of a complete solution, we aim to be a unique partner during the design, production, installation and maintenance of the production plant, guaranteeing competence and promptness of intervention both on the CNC machining center as well as on the whole automation system.



BENEFITS

Integrating industrial automation solutions into a production process guarantees significant advantages:

- **Return on investment in the short term;**
- **Cost reduction:** the company is released from skilled labour fluctuations; providing a unique, qualified partner ensures economic savings by avoiding waste of resources;
- **Increased productivity:** one of the undisputed advantages of the industrial automation solutions is to allow the company to be operational when operators are not present and to guarantee continuous productivity regardless of holidays, weekends, night shifts and extraordinary closing periods, even when prolonged. Employees can dedicate more time to activities with greater added value for the company, letting the automation process takes care of repetitive actions;
- **High reliability:** limiting manual processes means reducing the risk of errors and increasing reliability. Automated processes allow to establish with certainty when processes, tests, updates and workflows will take place, how long they will last and how reliable the results will be;
- **Greater safety:** industrial automation can make the production line safe for employees, by using robots to manage dangerous activities;
- **Space optimization:** inserting automation cells or lines within the production plant leads to a more logical and functional way of using the factory areas.



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