

components and systems
for industrial automation

calutec



Alutec

GROUP

100% made in Italy



mission

Our mission is to satisfy customer's need by proposing products and services useful to develop his business volume, always maintaining a close cooperation during all stages. Focusing on each customer individually can help creating a long-term relationship of trust. Understand the needs, advise the best solution to optimize the costs of implementation, suggesting efficient and professional solutions is our real aim.



consulting services

Starting from a specific request from the customer, Alutec carries out a feasibility analysis, designs the machine and realizes the application, always maintaining a close cooperation with the customer during all stages. Alutec makes the most of one's potential experience and knowledge to get reliable and efficient products, offering unique and innovative solutions.

The structural and dimensional analyzes are completed with a careful selection of materials, components and accessories.



design

Design is the main phase, and for this reason it requires careful and precise attention. Thanks to the wide experience, our technical office is able to study the best solution starting from simple ideas; Alutec is able to offer the ideal solution to achieve the best result. Starting from the study of the requirements, we proceed with a 3D rendering that allows an easy understanding of the project. The following phase is the assembly, after strict tests on the machines that simulate working conditions we ensure durability and quality.



manufacturing

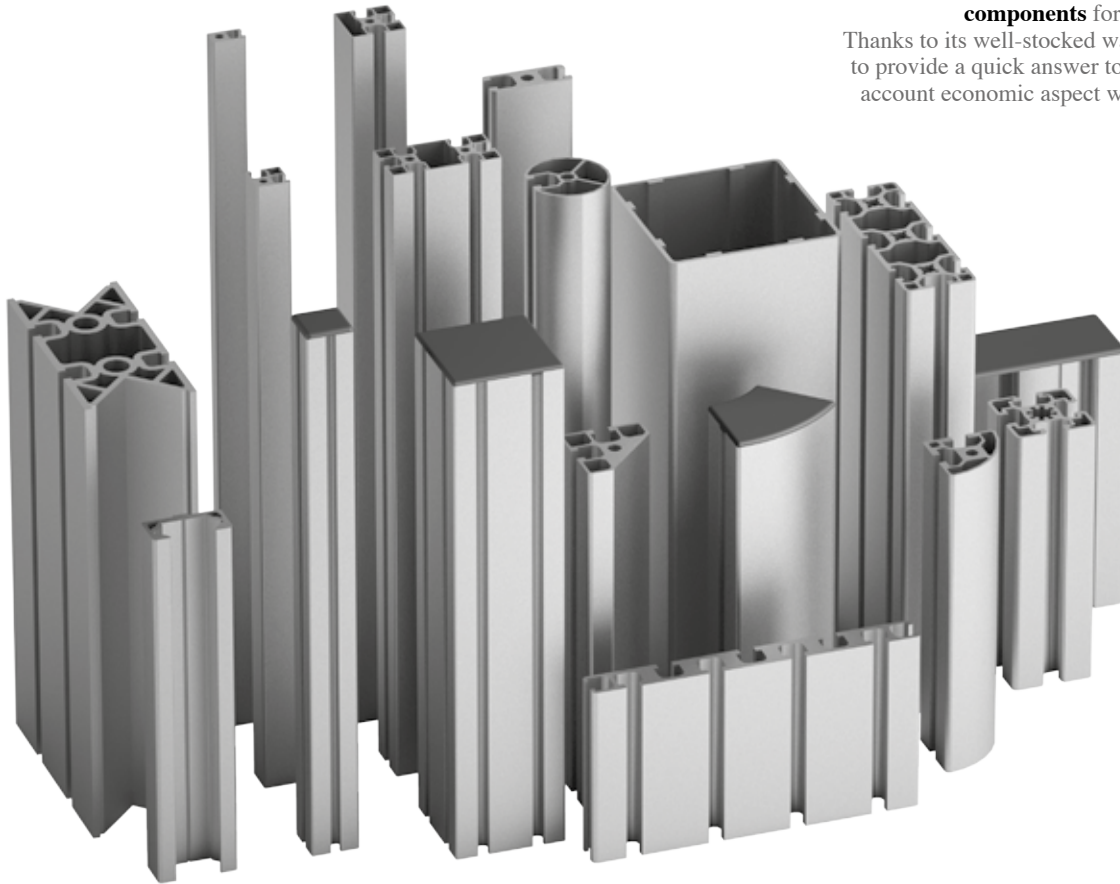
Thanks to its own internal department with its own employees, Alutec fully manufactures all its products. The close cooperation between the departments allows a 360° control of all working phases from the feasibility study to the design, from the selection of components and materials to the assembly and final realization. This organization allows the development of a wide range of technological products, including transporters equipped with different types of chain or belt, assembly lines and automatic warehouses, maintaining competitive prices with high quality standard.





components and accessories

Alutec offers a **wide range of accessories and components** for industrial automation market. Thanks to its well-stocked warehouse, our company is able to provide a quick answer to customer's needs, taking into account economic aspect which better meet expectations.



aluminium profiles

accessories



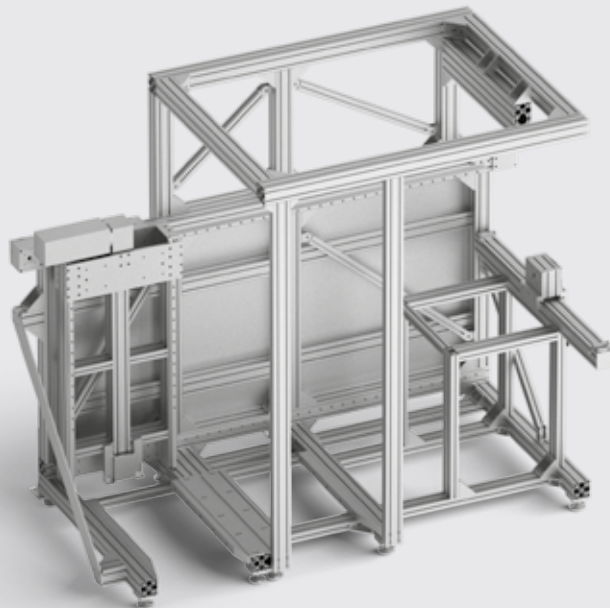
Alutec offers a complete range of fastening, support and finish accessories, suitable for structures and protections manufacturing.

design and manufacturing of industrial solutions

With its long experience, Alutec Service offers customers an efficient **engineering service**, which simulates and then realizes every industrial need.

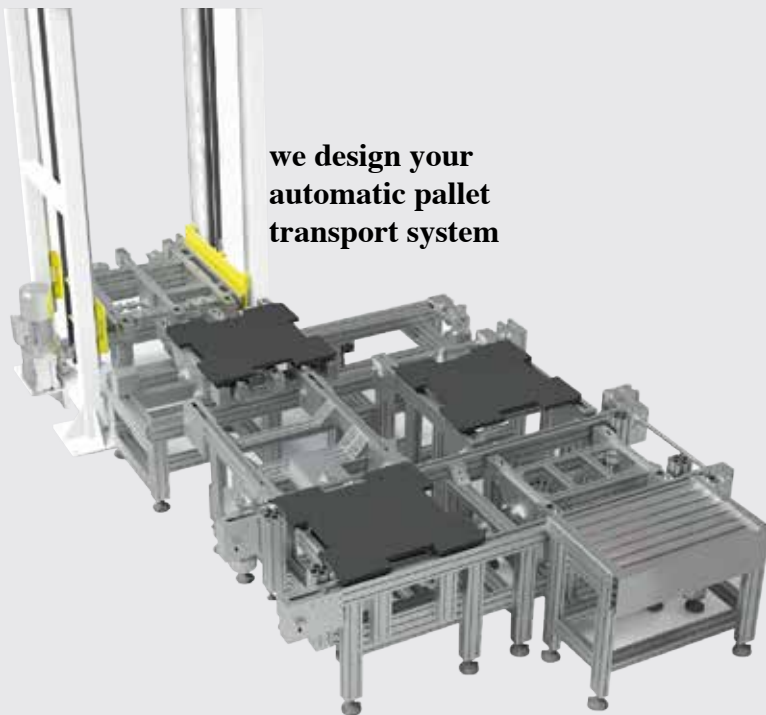
The technical office is able to evaluate and develop every kind of solution for industrial problems; solutions that will be built with the main material of Alutec Service DNA: aluminium profile. With this material, Alutec Service is able to offer fast, simple and flexible answers.

The manufacturing principle and the essentiality of this technology allows to modify, remodel and adapt existing structures to new working needs that can appear in the future.



we design your linear sliding system

3D project of an
automatic warehouse



we design your automatic pallet transport system



**We have a complete range of elements
for monitors support and clamping
elements for product presence sensors**



3D project of an accumulation line for
agricultural machines components

we design your accumulation conveyor

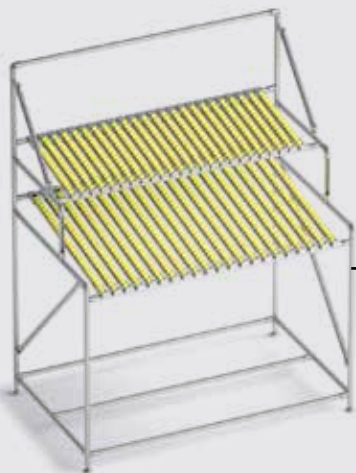


3D project of an assembly line

we design workstations and assembly lines



3D project of a workstation



we design your tubular system

3D project of a workstation with roller shelves



we design your modular belt conveyor

3D project of a motorized roller conveyor

we design your motorized, idle-to-friction and idle roller conveyor



we design your belt conveyors

3D project of an elevator conveyor with slope change



we design your handling line with polyvertebrate chain



gantry and desktop solutions

Modular applications are the solution to minimize timing machine, with a minimum assembly line dimension.

Starting from a specific request from a customer, Alutec Robotics carries out a feasibility analysis, designs the machine and realize the application, always maintaining a close cooperation with the customer during all stages.



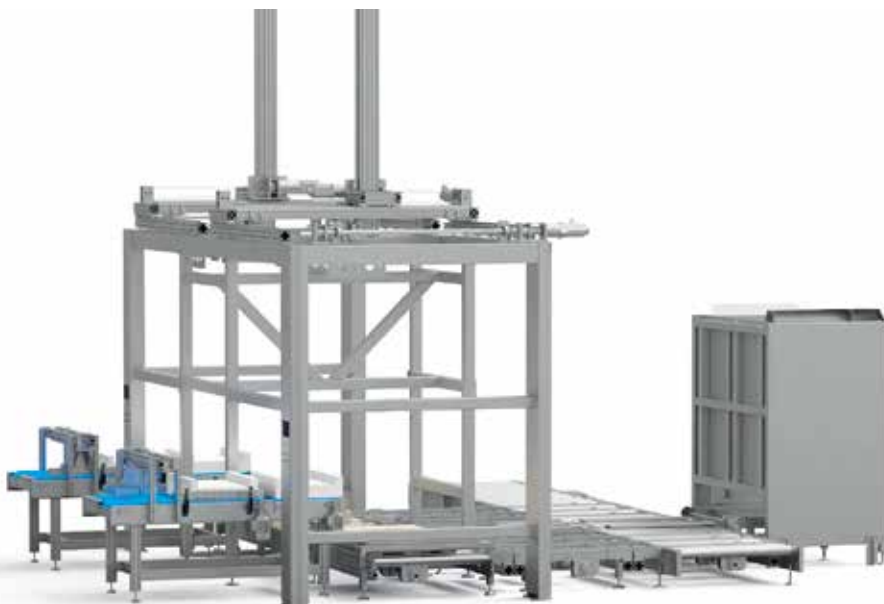
WRa300 - WRa500

WRa family of cartesian robots, with three and four interpolated axes, combines flexibility, user-friendly programming technology and high precision of the operations. The mechanical part consists of screw axes with linear and rugged ball bearing guides and the self-bearing structure is made of Alutec aluminium profiles. WRa is controlled by a groundbreaking motion control system called ALPHA, already installed on all robots that guarantees reference performances and new functions, for both stand-alone operation and for the communication of the robot with external systems.



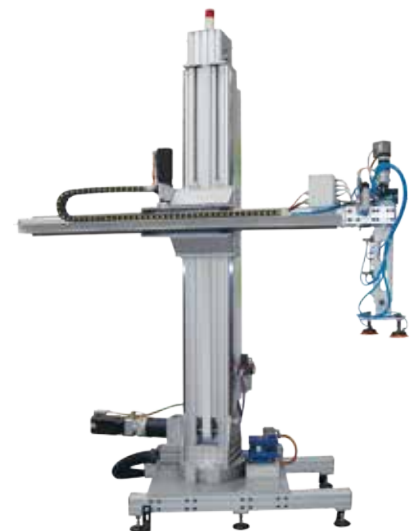
Gantry

Movements are performed by Cartesian axes systems with GANTRY structure and three and four interpolated axes (X-Y-Z-R). The machines are supplied complete with structure, wired electrical cabinet, safety guards and EC type-approvals. The work area can be customised from 500x500 mm to 2000x3000 mm, with the possibility to work on the specific work surface of the customer, on automation lines and on piece loading-unloading trolleys. The meticulous design ensures solutions that match the customers' expectations.



Portal palletizer

Portal palletizer with automatic format change



**Palletizer with
flexible movement**



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