

[www.tecnodelta.it](http://www.tecnodelta.it)

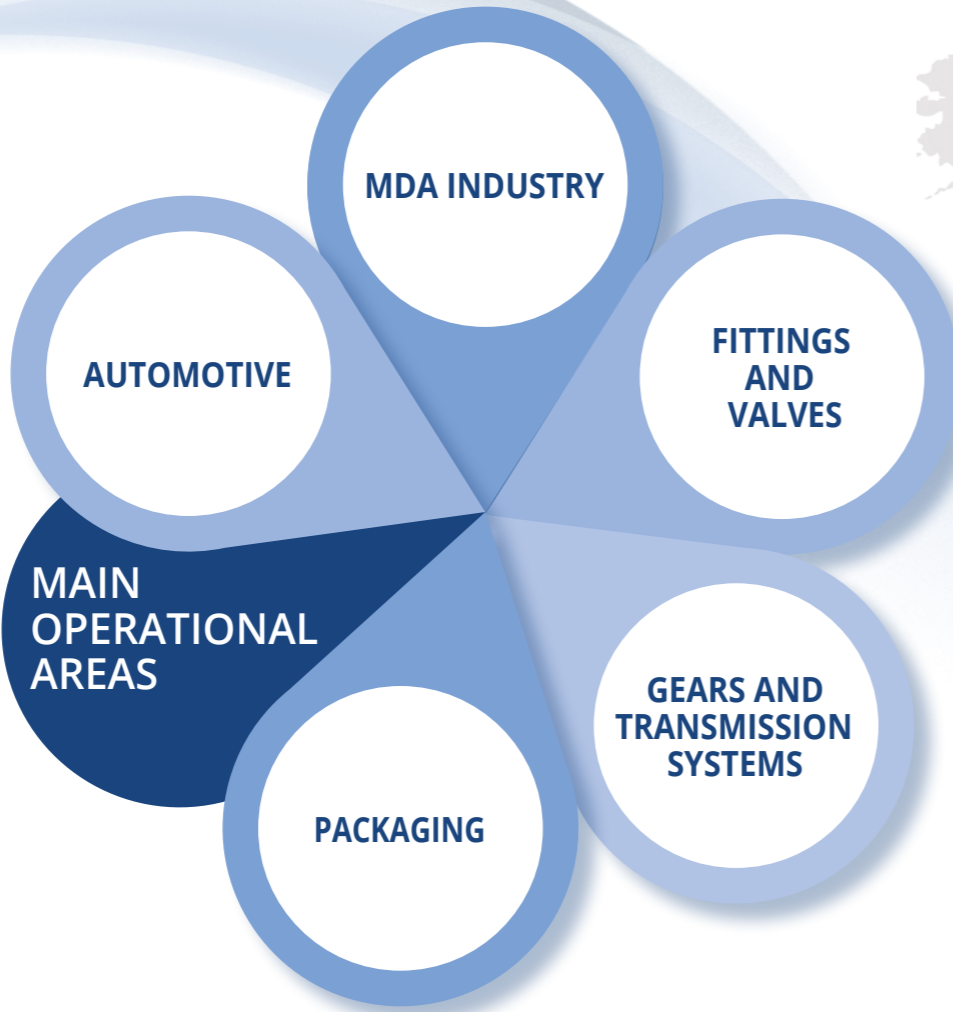




## ABOUT US

**TECNO DELTA, since 1970,** has been developing, designing and manufacturing machine tools and automation systems to meet a large variety of requirements in mechanical components production.

The MISSION is to develop production systems for customers, suitable to meet their specific needs. **Tecno Delta** machines and systems ensure shortest pay-back period and provide a long term economical results through high durability and a reliable after sales service.

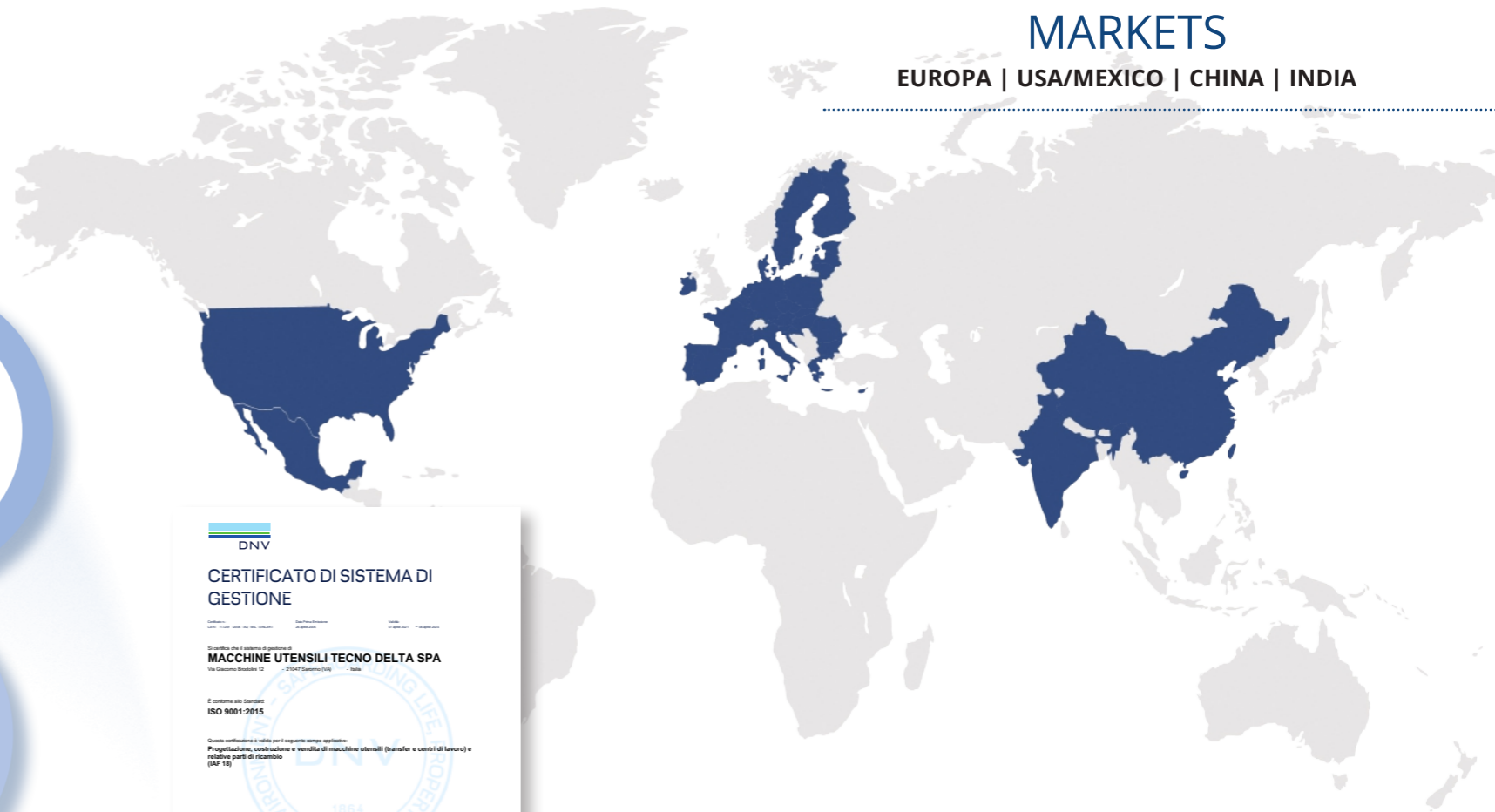


## HISTORY

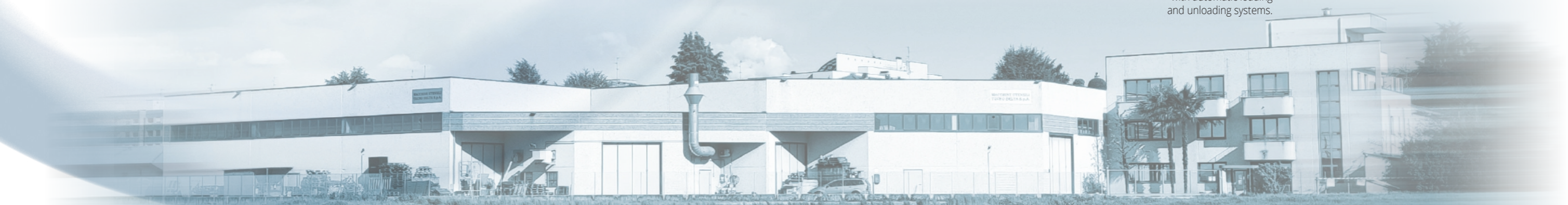
<b>1970  </b>	<b>1974  </b>	<b>1981  </b>	<b>1995  </b>	<b>1995  </b>	<b>2000  </b>	<b>2011  </b>	<b>2014  </b>	<b>2016  </b>	<b>2021  </b>
<b>THE BEGINNING</b> Macchine Utensili Tecno Delta born from a group of designers and technicians that, with the experience acquired in Alfa Romeo, began to design machine tools for the production of mechanical components for the automotive sector.	<b>PRODUCTIVE REALITY</b> Born as design studio, M.U. Tecno Delta evolves into a complete tool machines manufacturer, taking care of the machines from project to product. Tecno Delta decides to focus its production on transfer machines for high volumes of production, customized in function of the customer's needs.	<b>FIRST INNOVATIONS</b> To satisfy the growing demand for flexibility, M.U. Tecno Delta began to use CNCs and new technologies to improve the quality of the machined parts.	<b>TECNO DELTA SUD</b> To expand the production capacity M.U. Tecno Delta open a new production site located in southern Italy: Tecno Delta Sud-Bari.	<b>TECNO DELTA USA</b> The requests coming from the American market push M.U. Tecno Delta to expand the sales network in the United States, creating the TD USA sales & service.	<b>AUTOMATION ROBOTICS</b> Tecno Delta begins to equip the machines with automatic systems for the loading /unloading of the parts. In the following years the automation sector developed and becomes an important part of the production.	<b>TD SARONNO</b> In 2011, the company relocated to the new building site in Saronno (VA) Increase of production area and offices provide to support: production, assembly, logistics and sales departments.	<b>MACHINING CELLS</b> Tecno Delta expands the range of its products to open markets where production volumes are smaller and high technology is required, offering to customers automated processing cells, composed of Tecno Delta machines, machining centers or special standard machines of leading brands, interconnected with automatic loading and unloading systems.	<b>INDUSTRY 4.0</b> The need of our customers to have performance control has required continuous development of dedicate sensors. These studies allowed Tecno Delta to reach the 4.0 specification.	<b>2021. BIN PICKING</b> To increment the production autonomy of its automatic cells, Tecno Delta introduced the bin picking systems guided by 3D vision devices.

## MARKETS

EUROPA | USA/MEXICO | CHINA | INDIA



## CERTIFICATIONS





**TECNO DELTA** production systems designed and manufactured as per Customer needs, ensure a lower piece-cost with best productivity, flexibility, total reliability and low maintenance. Furthermore, an extraordinary durability is recognized from all customers.

Extensive experience and design compliance, certified directly by Automotive Industry, makes **TECNO DELTA** a strategic partner for manufacturers of mechanical components in medium and large productions.

**TRANSFER MACHINES**  
Rotary and linear transfer machines

**RETOOLING AND REVAMPING**  
Simple restyling up to complete restoration of existing machines

**AUTOMATIC CELLS**  
Integration of machines, robots and services to achieve autonomous production

**OUR PRODUCTS**

**MACHINING CENTER**  
For medium-low production volumes tooled for the machining of specific parts

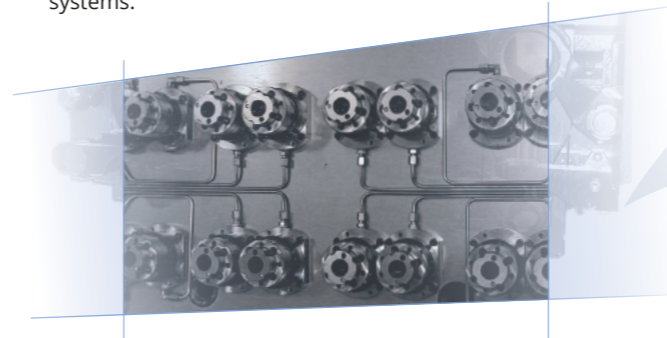
**AUTOMATION**  
Loading, unloading, transfer, bin picking good packaging carried out by robots or portal devices



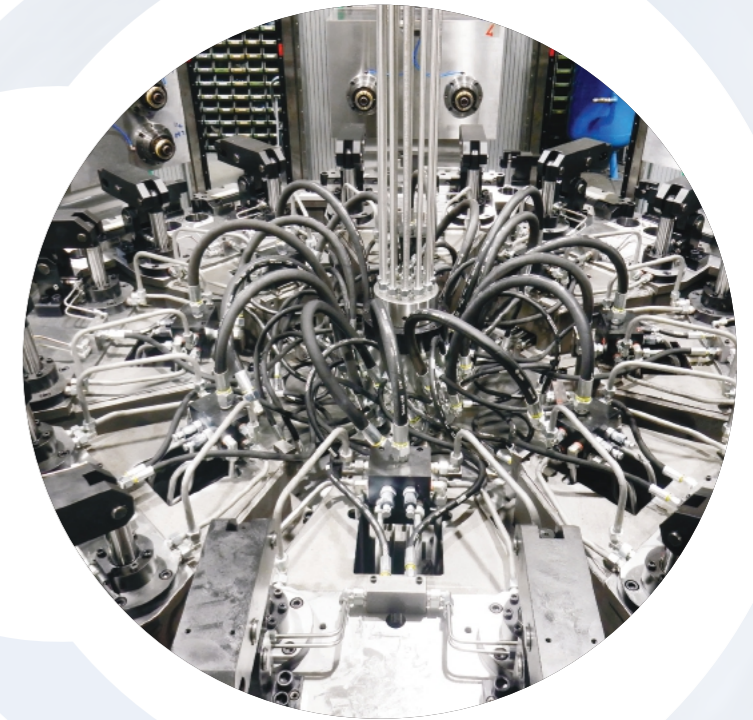
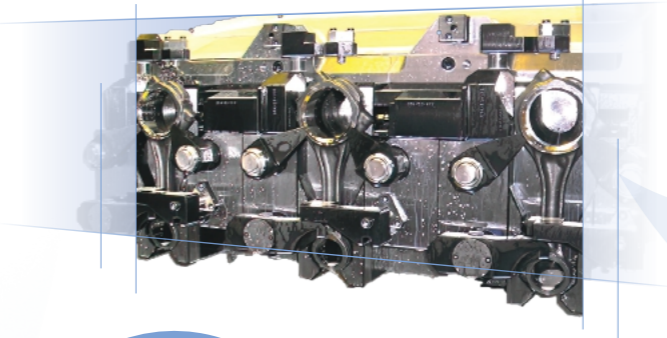
**TRANSFER MACHINE**

Dedicated machines, for the machining of **mechanical parts**, developed specifically for high volume of production. The machines are multi-station. The workpieces are transferred from one station to the other by rotary table or linear handling systems.

The **working units** are all with three-axis CNC controlled. The multi-spindle heads are designed for the optimal machining of the specific part and can have, even on the same structure, horizontal and vertical or tilted spindles.



The workpieces reference and clamping fixture are all automatic with hydraulic or pneumatic command. Several parts machined in the same station to increase volume of production.



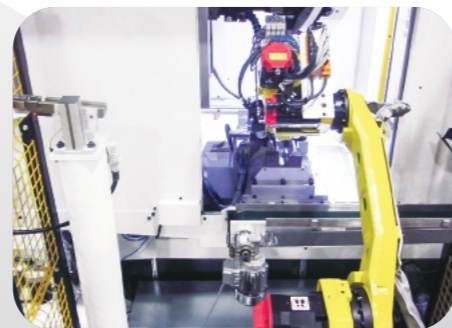
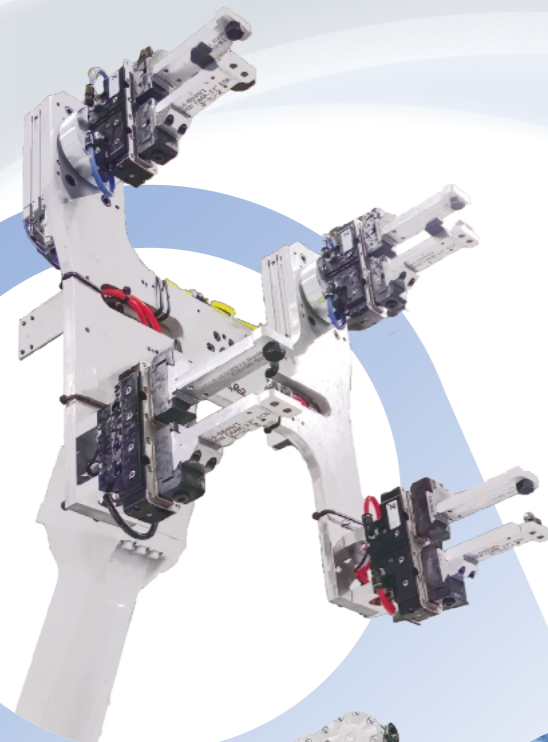
**OTED** - One touch exchange of dies  
**SMED** - Single minute exchange of dies to make transfers flexible



## AUTOMATION

The **experience** acquired as machine tool manufacturers allows us to create robotic systems for automatic loading/unloading on any type of machinery.

**TECNO DELTA** also design and manufacture automated lines for the transfer and handling of pieces between machines tools, assembly machines and other devices included in production lines. We have developed applications for bin picking and end-of-line palletisation. The systems are developed with the use of robots, cartesian portals, scara robots cobot, and the several types of feeders and conveyors for pieces.



## AUTOMATIC CELLS

**TECNO DELTA** manufactures automated cells made up of several machines connected by piece transfer, feeding systems and manipulators for loading/unloading.

In the cells, machine tools can be combined with devices for assembly, welding and painting, washing machines and measuring systems. The integration of bin picking and goods packaging systems, allow to have a complete automatic production cycle.

## MACHINING CENTERS

For medium-low production volumes, **TECNO DELTA** also offers to the customers standard machining centers of different sizes.

The machines can be supplied complete with equipment and tools, designed for the machining of specific parts, with dedicated automation systems for loading/unloading.

The machining centers can be integrated into automated cells to obtain the complete production cycle of the mechanical component.



## RETOOLING AND REVAMPING

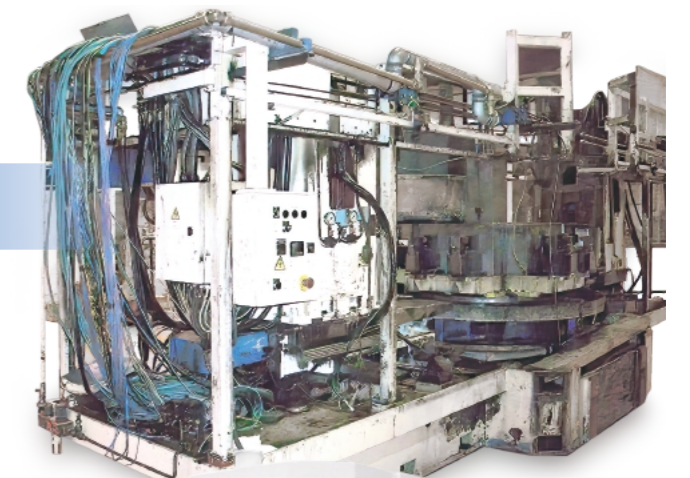
### Partial or total overhauling of machine tools

- Restoration of the geometric conditions and functionality of the mechanical components
- Updating of electrical systems with CNC and software adaptation
- Refurbishment of fluid systems
- Repainting

### Retooling of machines and automations for the machining of new pieces

- Analysis of new production needs
- Study of specific solutions for the machining of new pieces
- Design for machine's modification according to new processing cycle
- Supply and installation of new mechanical and electrical components
- New software
- Processing tests

BEFORE



AFTER





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