

# ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

Sept 2024

PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 93



UCIMU-SISTEMI PER PRODURRE



**Need Buyer Credit Finance to buy machine?**

We can help you!

please write to us – [italianmachinery@indiaitaly.com](mailto:italianmachinery@indiaitaly.com)

## SIEMENS



### SIEMENS AND TECNO DELTA: A PARTNERSHIP FOR INNOVATION IN MACHINE TOOLS

In the ever-evolving world of manufacturing, innovation is key to staying ahead of the curve. **Tecno Delta**, an Italian machine manufacturer with a rich history dating back to 1968, has embraced this philosophy by partnering with **Siemens**, a global leader in automation and technology. This collaboration has transformed **Tecno Delta's** machines into comprehensive solutions for high-volume production.

#### A Legacy of Excellence

Founded in 1968, **Tecno Delta** initially focused on designing machines for automotive engine, suspension, transmission, and brake components. The establishment of **Macchine Utensili Tecno Delta SpA** in 1973 marked the company's expansion into manufacturing, with plants in Milan and Cremona.

In 1981 to satisfy the growing demand for flexibility, **Tecno Delta** began to use CNCs and new technologies to improve the quality of the machined parts.

In 2000 **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.

Initially serving the Italian market, **Tecno Delta's** reputation for quality and innovation propelled it to a global stage, with customers in the USA, Mexico, China, India, and Europe.



**Siemens'** automation and control components were instrumental in evolving **Tecno Delta's** offerings from standalone machines to sophisticated production cells incorporating robotics and automation. This transformation culminated in a unique technology integrating entire production lines under a single PLC.

Workpieces are transferred between stations via rotary tables or linear handling systems. Automatic hydraulic or pneumatic commands manage workpiece referencing and clamping. To optimize production volume, multiple parts are machined within the same station. CNC-controlled three-axis working units, often equipped with multi-spindle heads, are tailored for specific part machining. These heads can accommodate horizontal, vertical, or tilted spindles within the same structure.



Today **Tecno Delta**'s cells are equipped up to 30 axis and 20 spindles.

The cell can machine a family of workpiece and **Tecno Delta** has implemented a fast changeover system to move from a production to the other like OTED (One touch exchange of dies) or SMED (Single minute exchange of dies).

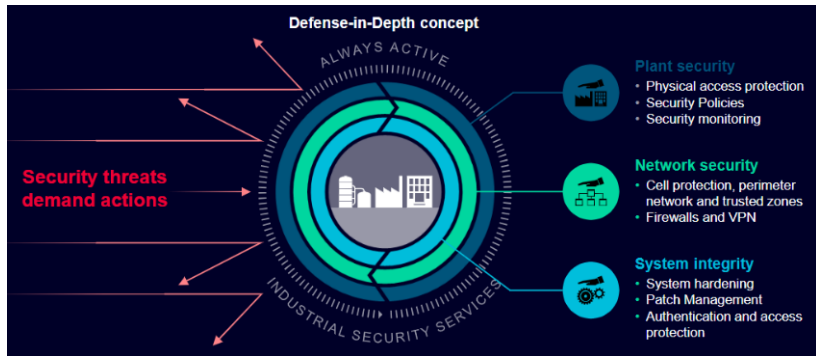
Beyond the core production line, **Tecno Delta**, is exploring advanced automation solutions. In 2021 **Tecno Delta** focused in bin picking. By integrating intelligent vision systems and robotic arms, these systems can accurately and efficiently pick randomly oriented parts from bins, feeding them into subsequent processes. This technology significantly enhances flexibility and productivity in manufacturing operations.

**The Benefits of Collaboration**

The synergy between **Tecno Delta** and **Siemens** has yielded substantial advantages for both companies and their clientele. By leveraging Siemens' automation and technology expertise, **Tecno Delta** has enhanced machine precision, efficiency, and flexibility. This translates to improved productivity, cost reduction, and superior product quality for **Tecno Delta**'s customers.

**SIEMENS** is a leader company in all technology areas, first developing Software and Hardware and then testing in its own production sites, with a special and precise focus on sustainability.

**Siemens** has been innovating technology with purpose for more than 176 years, solving the challenges of our time and transforming the lives of billions of people. With our DEGREE framework, we take a holistic 360 degree approach to ESG guiding us and our 320,000 people in the way we do business all around the world. With specific, measurable targets from decarbonization and diversity & inclusion, to employability and social responsibility.



**Protect the know-how and productivity of industrial companies**

The growing connection between production networks and office networks as part of IT/OT integration and the utilization of the Internet of Things have many benefits for industrial companies, including digitalized processes and cross-company collaboration in ecosystems. At the same time, they also increase the risk of cyber threats. With industrial cybersecurity, **SIEMENS** enables the comprehensive protection of systems and plants.

Cybersecurity for Industry ensures that your know-how and plants are protected at all times. We rely on the multilayer Defense-in-Depth concept, which is strengthened by Zero Trust principles.

## A Vision for the Future

The **Tecno Delta-Siemens** partnership is poised to continue driving innovation in the machine tool industry. Both companies are committed to exploring emerging technologies and developing solutions aligned with the evolving manufacturing landscape. With a shared commitment to excellence and collaboration, **Tecno Delta** and **Siemens** are positioned to lead machine tool innovation for years to come.

## Conclusion

The partnership between **Tecno Delta** and **Siemens** exemplifies the power of collaboration. By combining their strengths, these industry leaders have created transformative machine tool solutions. As they push technological boundaries, **Tecno Delta** and **Siemens** are shaping a future of manufacturing characterized by efficiency, productivity, and sustainability.

For further information: <https://www.tecno-delta.it> and <https://www.siemens.com/>

The project Piattaforma India has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

Contact information of Piattaforma India desk:

**Mr. Nilesh Joshi**  
**Business Manager - Italian Machinery in India**



C/o The Indo Italian Chamber of Commerce and Industry  
11th Floor, Tower - A, Urmi Estate 95, Ganpatrao Kadam Marg,  
Lower Parel (W), Mumbai 400013, Maharashtra  
P: +91 22 67728186  
Mob : +91 7666795385  
Fax. : +91 22 67728191  
Email : [italianmachinery@indiaitaly.com](mailto:italianmachinery@indiaitaly.com)