

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

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UCIMU-SISTEMI PER PRODURRE



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OMLAT MECHATRONICS: ELEVATING PRECISION IN SPINDLE TECHNOLOGY

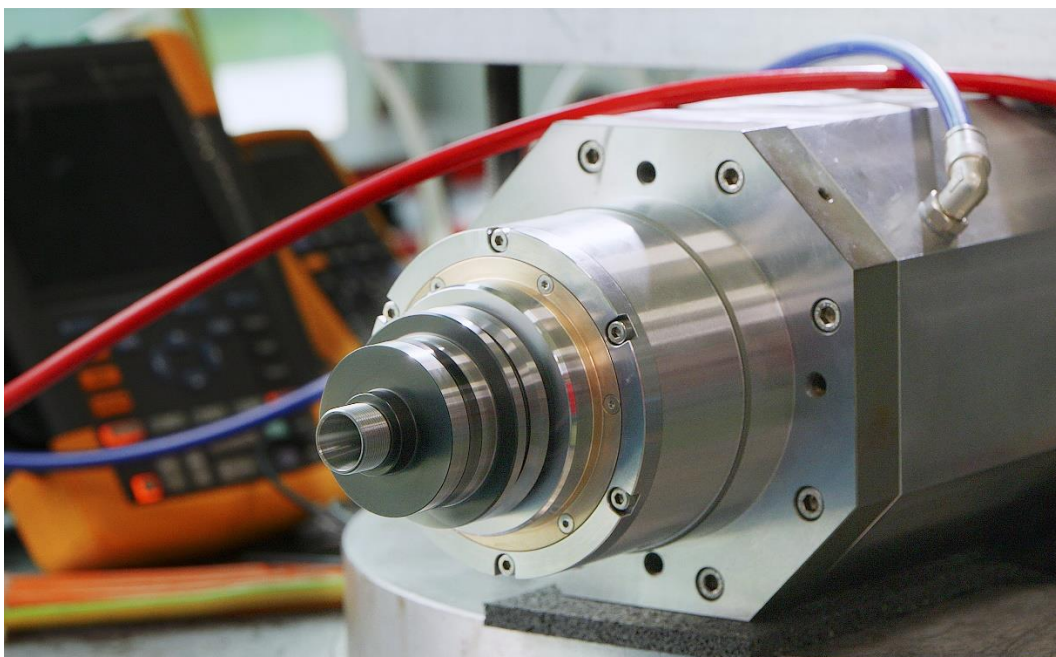
Origins and Evolution

Established in 1940 by Salvatore Munnia, OMLAT Mechatronics began as a modest precision mechanical workshop, equipped with a lathe and a grinding machine. The subsequent years witnessed its evolution into a powerhouse of spindle manufacturing, with pivotal periods marking its ascendancy.

Product-Oriented Development Phases

From 1955 to 1971, OMLAT transitioned into serial production, responding adeptly to the surging demand for machine tools. This marked the genesis of its specialization in spindles. However, it was the strategic investments in process automation and quality control systems from 1972 to 2023 that propelled OMLAT into a league of global leaders in spindle and electro-spindle production.

In 2023, OMLAT entered a new phase through its acquisition by the Wolong Group. Under the direct control of OLI SpA (Italy), this heralded an era of ambitious expansion, development, and substantial investments in product and process engineering, all aimed at reaffirming OMLAT's global prominence in spindle technology.



Global Manufacturing Presence

Situated in Turin's industrial hub, OMLAT Mechatronics operates two specialized plants. The first, in Corneliano d'Alba (CN), focuses on mechanical processing, boasting advanced CNC machinery for meticulous control over electro-spindle component manufacturing. The second, in Ceresole d'Alba (CN), specializes in grinding, winding, assembly, and testing, ensuring optimal performance and reliability for each spindle.

Versatile Spindle Solutions

OMLAT's product range spans a multitude of applications with a focus on precision and performance.

For Milling Applications

- Dimensions: 80 to 400 mm
- Speed: 3,000 to 75,000 rpm
- Torque: 0.15 to > 900 Nm
- Power: 0.8 to > 150 KW
- Tool-holder: ISO30 to HSK A100 and others
- Cooling system: Liquid / Air
- Bearing Lubrication: Grease / Oil / Air-Oil

For Grinding Applications (Internal and External)

- Dimensions: 25 to > 500 mm
- Speed: 300 to 100,000 rpm
- Torque: 1 to > 250 Nm
- Power: 0.9 to 35 KW
- Tool-holder: ISO30 to HSK C63 and others
- Cooling system: Liquid / Air
- Bearing Lubrication: Grease / Oil / Air-Oil

Applications Across Industries

With over 80 years of practical experience, OMLAT has proven its prowess in machining various materials across diverse industries. From steel to wood, aluminum, glass, marble, and composite materials, OMLAT's spindles find successful applications in sectors such as watches, aerospace, medical, automotive, and high-speed train industries.

Global Sales and Service Network

OMLAT Mechatronics, as part of the Wolong and OLI Group, operates through a global Sales Network with 24 subsidiaries worldwide. This strategic advantage positions OMLAT as a responsive and accessible partner on a global scale.

Excellence in Service and Continuous Innovation

The commitment to service excellence is evident through OMLAT's fast, efficient, and guaranteed Service Center. The reconditioning process ensures that each repaired spindle is as good as new, accompanied by a renewed warranty. OMLAT's collaboration with Wolong & OLI - Motion Control Division places it at the forefront of innovation, introducing advancements in milling heads, rotary tables, CNC & PMC, servo & smart motors, linear motors, inverters, and drives.

Foundational Core Values

OMLAT Mechatronics is guided by a set of core values, placing a premium on product-centric principles:

- Performance
- Service
- Reliability
- Precision
- Quality
- Competence

In conclusion, OMLAT Mechatronics stands as a trailblazer in precision spindle technology, delivering versatile solutions that redefine performance across a myriad of industries.

<https://www.omlat.com/en/>



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:

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