

PRESS RELEASE

Lumel launches its fourth SMT line – a new level of quality, precision, and efficiency in electronics assembly

Lumel S.A. has launched its fourth SMT line for surface-mount electronics assembly, significantly increasing production capacity and raising standards in precision, quality control, and process flexibility.

The investment was carried out with the support of European Union funds under the program FENG.01.01-IP.01-003E/23 and represents a strategic step toward the further development of Lumel's increasingly technologically advanced automation devices—such as the new family of medium-voltage protection relays from the CZIP serie.

With this new line, Lumel offers:

- Shorter lead times – The line delivers a throughput of 62,000 components per hour, increasing Lumel's total SMT capacity to 300,000 components per hour across all four lines.
- Enhanced quality and repeatability – Equipped with cutting-edge inspection systems (VISCOM SPI and AOI), an ERSO reflow oven with active cooling and pyrolysis, and highly accurate JUKI P&P machines, the line ensures process stability in compliance with IPC standards.
- Full traceability and process reliability – The Cogiscan traceability system and IFS/NX smart feeders enable full tracking of each component throughout all assembly stages.
- Support for larger and more complex PCBs – The line handles boards up to 460 x 370 mm, enabling the assembly of highly integrated and advanced designs.
- Maximum production flexibility – The ASYS handling system with IC-Net allows centralized control of conveyor width across all machines, reducing setup times and improving production responsiveness.

"This new SMT line is more than a technological upgrade – it's an investment in quality, flexibility, and the future. It allows us to perform even more precise assembly of our own advanced products, while improving efficiency and responsiveness in contract manufacturing," says Dinesh Musalekar, President of Lumel S.A. and the CEO of Rishabh Capital Group.

Our partners can rest assured that every product – whether our own or entrusted to us – is built with the highest attention to detail, in a fully controlled and modernized production environment."

The new SMT line includes:

- Insignum 4000 laser marking station
- G-Titan stencil printer
- SPI S3088 solder paste inspection
- Two JUKI RS-1R Pick & Place machines (chipshooter + fine placer)
- ERSA Hotflow Three reflow oven (10 zones, active cooling, pyrolysis)
- AOI S3088 automated optical inspection
- TR6 tray changer
- ASYS handling system with IC-Net

Additional equipment supporting the production process:

As part of the investment, Lumel also implemented a set of advanced auxiliary systems to ensure process continuity, quality, and full production oversight:

- Automated component receiving station – Fully integrated with the traceability system, it ensures seamless tracking from the moment components are received, enhancing transparency and supply chain security.
- X-ray component counter – Allows fast and accurate counting of components inside packaging without opening, improving inventory control and reducing human error.
- Climate-controlled storage cabinet for MSL components – Maintains humidity and temperature levels in line with JEDEC standards. Integrated with the IFS system, it ensures real-time monitoring of storage conditions and component exposure.
- Soldering robot with linear transport and vision system – Equipped with automated loading/unloading buffers and a vision-based monitoring system, it delivers repeatable, high-quality soldering and collects statistical process data for real-time optimization.

This new SMT line is not just an equipment upgrade – it is a tangible enhancement of Lumel’s manufacturing capabilities. The company continues to grow as a next-generation EMS solutions provider, delivering top-tier quality, full transparency, and unmatched flexibility – both in its own product lines and in outsourced manufacturing services.



The LUMEL brand has been recognized worldwide since 1953 for producing high-quality measuring devices. Its strong market position is the result of a consistent development policy, skilled employees, and the use of modern design, production, and research technologies.

LUMEL provides comprehensive solutions for the energy and industrial automation sectors, as well as the automotive, chemical, metallurgical, HVAC, and food industries. LUMEL specializes in manufacturing industrial automation devices for measuring, processing, control, recording, transmitting, and visualizing industrial processes. Additionally, the company offers services in the design and implementation of automation systems, electronics manufacturing services and technical consulting.

Released by:	Lumel SA
Contact person:	Dinesh Musalekar President of Lumel SA CEO and Executive Director - Rishabh Group of Companies tel: +91 9167 737 773
Editor:	Izabella Ciesielska-Turomsza tel.: + 48 601 806 342
Date of release:	23.05.2025