

Industrial Laser Cutting Machine Complement Mechanical Expertise: Trotec Laser Powers Industrial Innovation at LJ Industries

Marchtrenk, July 8th, 2025 – As a global leader in laser technology, Trotec Laser continues to drive industrial innovation by empowering manufacturers like the French company LJ Industries with precision laser machines that transform production processes. Founded in 2007 and based in Annecy, LJ Industries combines mechanical expertise with advanced laser technology to deliver fully customized industrial solutions — a transformation made possible through cutting edge laser solutions.

How industrial laser marking machines transformed LJ Industries

LJ Industries has built a reputation for precision mechanics, machining, welding, and assembly of complex industrial components. In response to growing client demands for traceability and enhanced part customization, the company expanded its capabilities by incorporating Trotec's high-precision laser systems into its production workflow.

“Our core business was originally purely mechanical. But our clients' growing traceability requirements quickly led us to invest in laser technology,” says Laurent Perrissin-Fabert, co-manager of LJ Industries. LJ Industries discovered Trotec's high-precision engraving solutions at the C!Print trade show in Lyon. “Trotec offered to carry out test engravings on our parts. The results were validated by our end customer, which convinced us of the reliability and accuracy of their machines,” recalls Philippe Renoud Grappin, co-manager. Since then, several Trotec laser machines have been integrated into LJ Industries' production workflow, enabling superior precision and efficiency.

Precision laser technology at the heart of production

LJ Industries relies on four Trotec laser machines, including:

- Speedy 100 and Speedy 400 CO₂ lasers for versatile cutting and engraving tasks on various Trotec materials, enabling in-house production of personalized items and essential positioning jigs for flexible small-to-medium manufacturing runs.

- SpeedMarker 1300 fiber laser machines that deliver precise, durable, and repeatable metal markings at high speed, fully integrated into the production line to ensure compliance and traceability.

Trotec's laser software Ruby® has also enhanced operational efficiency, enabling the entire team to manage laser workflows more flexibly and smoothly.

Laser Technology as a catalyst for industrial transformation

Initially introduced to fulfill traceability requirements, laser technology now forms a central pillar of LJ Industries' industrial strategy. By replacing traditional machining steps with faster, more precise laser processes, the company has improved cost-efficiency, increased flexibility, and expanded its range of services — from technical engraving to full part customization.

This success story exemplifies how Trotec's laser machines lead the charge in industrial innovation, empowering manufacturers to redefine their production capabilities and strengthen their market position.

About Trotec

Trotec Laser, headquartered in Marchtrenk, Austria, is a global leader in laser technology. As part of the TroGroup, the European innovation leader develops, produces and markets high-end laser systems for precise marking, cutting and engraving of various materials, continuously setting new standards.

Based on more than 25 years of experience, Trotec stands for innovative complete laser solutions: Laser machines, extraction systems, powerful software and high-quality materials. 14 subsidiaries and a total of around 600 employees look after the more than 40,000 systems installed to date in 90 countries. Exports account for 98 percent of sales, and current sales in 2024 are 129 million.




More information can be found here www.troteclaser.com.

Press release

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Images

Preview of printable image material:

	<p>Trotec Laser GmbH Logo (Source: Trotec)</p>
	<p>Philippe Renoud Grappin and Laurent Perrissin-Fabert, co-managers of LJ Industries. (Source: Trotec)</p>
	<p>Inspection of marking quality produced by the fiber laser SpeedMarker 1300. (Source: Trotec)</p>

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