

The Value of Flex Lase Cobots

Robotic Laser Systems

Flex Lase™ cobots combine the power of Flex Lase laser systems and collaborative robotics to offer automated solutions to high-mix manufacturing processes. Let's explore the benefits of the Flex Lase cobots!



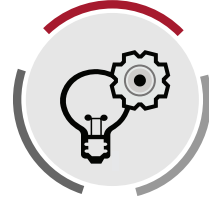
Rigorously Tested Weld Presets

The presets help reduce training time and enable new operators to execute production-quality welds sooner than traditional robotic systems.



Fast Travel Speeds

Boost productivity with travel speeds up to four times faster than a typical TIG welding process.



Industry-Driven Design

The Flex Lase cobot cart is a Class 1 laser system, integrating key safety considerations into the design, including an on-cart laser enclosure, shielding gas detection alarm, and more.



High-Precision Welding

Laser welding reduces material distortion, minimizes spatter, and improves process quality with a focused heat input and smaller heat-affected zone. Consider using Lincoln Electric's patented HyperFill® twin-wire process with Flex Lase cobots (optional add-on).



Fully Integrated Robotic Programming

The Flex Lase power source's laser and wire parameters are set directly within the robot program. Pre-qualified procedures can be password-protected to prevent changes, while still enabling programmatic, per-weld parameter adjustments, all without stopping the cobot or leaving the primary cobot control interface.



Dedicated Automation Services Team

Our team is available to support your equipment and robotic applications, not only during early implementation and post-sale startup, but throughout the life of your Flex Lase cobot system. Learn more and request a quote for service at lincolnelectric.com/automationservices.

CUSTOMER ASSISTANCE POLICY

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