FLEX LASE COBOT CART

ROBOTIC LASER SYSTEMS





Renders are for reference only

FLEX LASE COBOT CART

Flex Lase™ cobots combine the power of Flex Lase laser systems and collaborative robotics for high-mix manufacturing processes. The cart is designed to move anywhere you need to weld with a Class 1-safe laser enclosure built on top. It's the game-changing solution you need to level up your laser welding and your business!

SYSTEM INCLUDES

- FANUC® CRX-10iA/L™ cobot with teach pendant
- Flex Lase 20 power source
- Flex Feed® 25L cold wire feeder
- Tips, nozzles, and drive rolls
- Spare optics cover slides and spare focus lens
- X-Tractor® Mini welding fume extractor
- Fixed welding table
- Mobile cart
- On-cart CDRH Class 1 laser enclosure

KEY FEATURES

- Flex Feed® 25L wire feeder
- Flex Lase 20 power source
- HyperFill® One-Pak® accessory (optional add-on)
- Integrated laser safety features (details on page 2)

BENEFITS

- Fully Integrated Robotic Programming (details on page 2)
- Rigorously Tested Weld Presets
- Fast Welding Speeds
- High-Precision Welding
- Industry-Driven Design
- Dedicated Automation Services Team

OPTIONS AVAILABLE

- 150lb Table Top Welding Positioner (AD1043-84)
- Cooper® Cobot Cart Clamp Kit

INDUSTRIES

- High-Mix, Low-Volume Job Industries
- Job Shop Environments

CONTACT LINCOLN ELECTRIC AUTOMATION

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LASER SAFETY

The fully interlocked and secure CDRH Class 1 laser enclosure features large, 270°-hinged double doors and sliding top section that opens, providing highly versatile cart access for programming from three sides.

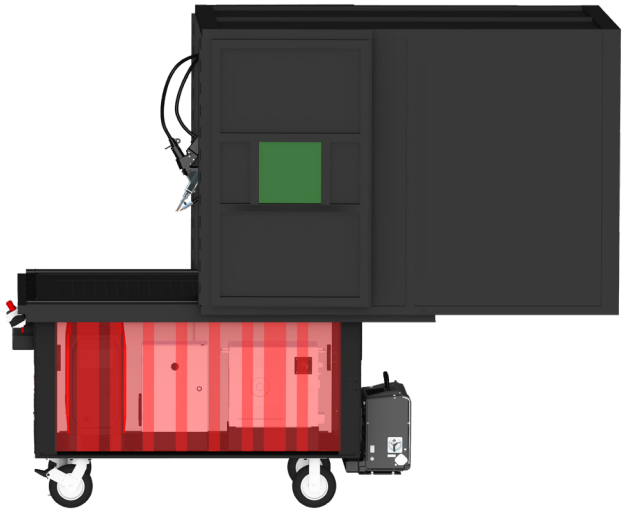
The Flex Lase power source was designed with several safety features to help facilitate safe operation.

- Emergency stop
- Safety interlocking system
- Key switch to secure the equipment
- Shielding gas detection alarm

FULLY INTEGRATED ROBOTIC PROGRAMMING

We transformed handheld-laser-based cobotic welding into a truly automation-ready process. The laser behaves as a native process tool within the cobot rather than a separate, patched together machine. The result is a seamless, codework-ready, and highly productive laser welding solution built for real manufacturing environments.

- In-program control of 20+ laser and wire parameters
- Real-time status feedback for logic-driven automation
- External interaction with the separate laser machine control panel is not required
- Lockable or password-protected procedures for compliance and repeatability





PRODUCT SPECIFICATIONS

Product Number	Model	Cart Dimensions L x W x H in (mm)	Robotic Arm Payload lb (kg)	Robot Arm Reach in (mm)	System Weight lb (kg)	System Work Envelope in (mm)	Fixed Table Payload lb (kg)
AD2516-2	Flex Lase Cobot Cart	114 x 61 x 89 (2,896 x 1,549 x 2,261)	22 (10)	55.8 (1,418)	1200 (544)	46 x 48 (1,168 x 1,219)	500 (226)

Input Power Voltage/Phase/Hertz	Rated Output	Input Current @ Rated Output	Output Range
200-240 / 1 / 50/60	2000W	36.4 A	200-2000W

CUSTOMER ASSISTANCE POLICY

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