

FLEX LASE

HANDHELD LASER WELDING SYSTEM



Shown: K5772-1

Fast. Easy. Precise.

The easy-to-use Flex Lase™ handheld laser welding system puts power, speed and precision at your fingertips. With 2kW of laser output power and a robust package, operators can tackle high-precision welding applications with faster travel speeds – up to four times faster than TIG – helping to improve productivity without sacrificing quality.

Easy Onboarding – Reduce training time and have new operators executing production-quality welds sooner than traditional welding processes.

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

High-Precision Welding – Reduce material distortion, minimize spatter, and improve process quality with a focused heat input and smaller heat-affected zone. Achieve larger welds using Lincoln Electric's HyperFill® twin-wire process.

Industry-Driven Design – Have confidence in equipment built to withstand industry demands. The Flex Lase power source comes with a 2-year warranty, and the Flex Feed® wire feeder boasts a market-leading 5-year warranty.

Processes »

Semiautomatic Laser welding

Output »

2,000 W laser power Class 4
primary laser Class 2 guide laser

Input »



Product Number »

K5772-1 Flex Lase™ Ready-Pak®

Industries Served »

- General Fabrication
- Aerospace
- HVAC & Appliance
- Automotive
- Maintenance & Repair


Key Accessories »

- VIKING™ FLZ Series Passive Laser Welding Helmet
- Lincoln® FLZ Laser Safety Glasses
- Laser Controlled Area (LCA) Enclosure
- 7Hyperfill® Accessory One-Pak®
- Aluminum Accessory One-Pak®

MACHINE SPECIFICATIONS

Product Name	Product Number	Input Power Voltage/ Phase/Hertz	Rated Output	Input Current @ Rated Output	Output Range	Dimensions H x W x D in (mm)	Weight lb (kg)
Flex Lase™ Handheld Laser Welding System	K5772-1	AC 230V / 1 / 50/60Hz	2000W	26A	200 - 2000W	53.7 x 23 x 45.5 [1364 x 584 x 1156]	50 (23)

⚠ DANGER



**CLASS 4 LASER PRODUCT
INVISIBLE LASER RADIATION**

Avoid eye or skin exposure to direct or scattered radiation. See operator's manual, labeling and applicable laws, regulations and standards.

⚠ WARNING



LASER SAFETY OFFICER (LSO)

Establish a Laser Safety Program and appoint a qualified Laser Safety Officer who is responsible for the safety of observers and operators.




LASER CONTROLLED AREA (LCA)

Operate only in a Laser Controlled Area with safety interlocks that meets the requirements of applicable laws, regulations and standards and ANSI Z136.1



**PERSONAL PROTECTIVE
EQUIPMENT (PPE)**

Wear PPE as recommended by LSO to avoid eye or skin exposure to light radiation, heat and sparks.



LASER RADIATION EYE HAZARDS

Never look directly into a laser aperture, even if wearing full eye protection. Never point the torch at another person.

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

Manufactured at a facility with certified ISO Quality and Environmental Management Systems.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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