

The Value of Precision Power Laser

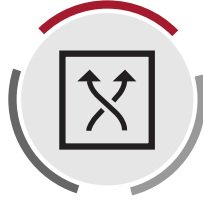
Next-Level Laser Technology

At Lincoln Electric Automation™, we are constantly innovating to increase weld travel speeds, reduce heat input, and redefine what flexibility is in a weld process. The Precision Power Laser™ (PPL™) process opens up a new realm of capabilities in an ever-changing world of materials and thicknesses. Knowing that speed and consistency make the foundation of a quality weld, let's explore the benefits of the PPL process, featured in Laser-Pak™ systems!



Quality

Precise control over all aspects of the weld helps perfect weld size and penetration depth, all at the lowest heat input possible.



Flexibility

Whether welding or cladding, the PPL process helps improve production rates and increase quality. PPL technology can conduct processes in various positions due to low heat input and high travel speed.



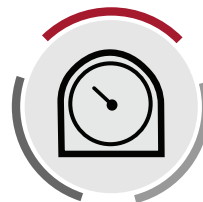
Next-Level Control

The PPL process delivers the wire to the weld by heating the wire to an almost molten temperature. High-speed sensors allow it to be an arc-free process.



Ease of Use

The PPL process is a power-based waveform that uses standard MIG consumables. The larger laser spot allows the wire placement to be very forgiving and simple to set up.



Speed

Arc and puddle dynamics no longer limit the travel speed for laser welding.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. 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.

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