

LASE ONE

Pulsed plasma spot



200i

250i

300i



The ideal solution for reloading ferrous alloy tools

Plastic injection

Extrusion- Blow-molding

Cutting and Stamping

Jewelry

Foundry

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THE ALTERNATIVE TO LASER WELDING

LASE ONE technology is the solution to all your welding challenges. This innovative plasma arc welding technology is specifically designed to handle the most demanding welding tasks with precision and efficiency.

- **Versatile:** LASE ONE can weld a wide variety of materials, including aluminum, copper, bronzes, stainless steel, and hardened steels, making it suitable for diverse welding requirements.

- **High Quality:** It offers excellent welding quality comparable to laser technology but at a more affordable price, allowing you to achieve high standards without exceeding your budget.

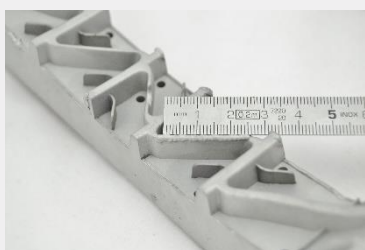
- **Portable and Lightweight:** Its compact and mobile design allows for easy transport, providing great flexibility and efficiency in your welding operations.

- **User-Friendly:** With an intuitive and easy-to-use interface, LASE ONE is simple to operate, reducing training time and enhancing productivity.

- **Cost-Effective and Responsive:** By eliminating the need for subcontracting, this technology reduces costs and improves responsiveness, thereby enhancing your efficiency and profitability.



TYPICAL APPLICATIONS



Aluminium



Bronze



Steel / Stainless



Copper

TECHNICAL CHARACTERISTICS

Model	LASE ONE 200i	LASE ONE 250i	LASE ONE 300i
Maximum weld energy	200 joules	250 joules	300 joules
Power supply	1~220V/50Hz/60Hz		
Control type	Current regulation		
Energy settings	By 1% increments of total energy		
Pulse duration	Adjustable between 0.1 ms to 10 ms		
Generator cooling	Forced air		
Size	L 420 mm x W 240 mm / H 280 mm		
Weight	25 Kg		
Programming	9 adjustable programs		
Adjustable external settings	Pulse duration between 0.1 to 10 ms (by 0.1 ms increments)		
Maximum pulse rate	Factory configuration : 5 pulses / sec		
Weld area protection	Inert gaz (type Argon 4.5 – UN 1006)		
Maximum welding capacity	0.5 mm	0.8 mm	1.2 mm

ADVANTAGES

- › Laser welding quality
- › Compact and mobile
- › Welding all material ferrous and non ferrous
- › No heating or deformation
- › Uniform and durable welds
- › Can reach hard-to-access areas
- › User-friendly
- › Very high precision
- › Made in France
- › Training included
- › No arc or smoke emission
- › No high-frequency current emission

RECOMMENDED ACCESSORIES



Stereo binocular microscope with shutter generator unit driven



Microwelding torch available in 1.5m and 3m



Welding helmet with LED Light



Electrode grinder



Mobile serving cart equipped by electric cylinder operated by remote control

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The full range of LASE ONE accessories and consumables

(Cables, welding materials, workpiece supports, optics, electrode grinding machines, etc.) is available online at : www.sstmicrowelding.com