



Turn To The Industry Experts

# LASE ONE

## MICRO WELDING

- SPOT PLASMA -

- Plasma arc spot welding (0 to 300 joules)
- Weld quality and aspect very similar to that of laser weld
- No overheating / deformations
- Easy assembly and repair welds of very small as well as large parts
- Weld time adjustable to the tenth of a millisecond (pulse duration 0.1 to 10 ms)
- Reliable and easy to use
- Programmable
- Welding of ferrous / non-ferrous / precious materials (gold, silver, etc.)
- Economical and safe
- Welding power and weld time independently adjustable



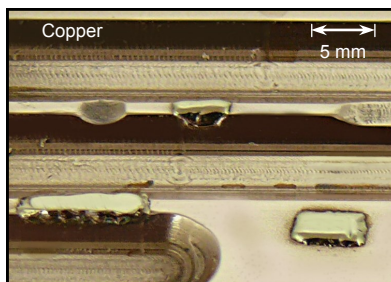
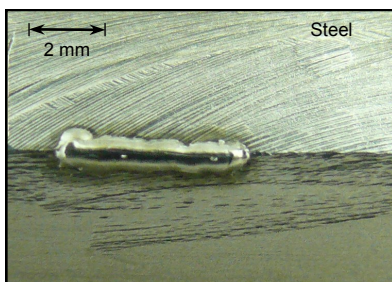
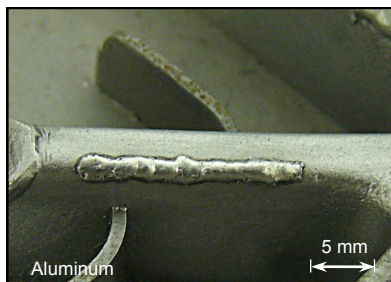
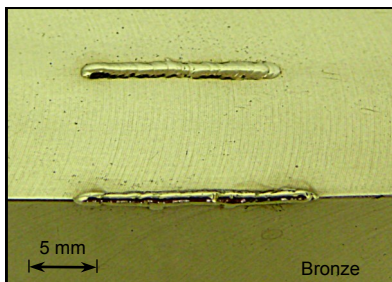
### LASE ONE MODELS

200i

250i

300i

## THE ALTERNATIVE TO LASER WELDING



LASE ONE technology is the solution to all your problems when it comes to complex assembly and repair micro-welding.

LASE ONE delivers welding intensity with total control and precision, for a wide range of applications, materials and configurations. Efficient, easy to use, compact and versatile, it displays the qualities of pulsed YAG laser welding and the benefits of an electric solution: simplicity and economy.

## TECHNICAL CHARACTERISTICS

MODEL	LASE ONE 200i	LASE ONE 250i	LASE ONE 300i
Maximum weld energy at output (joules)	200 joules	250 joules	300 joules
Power supply	1~220 V / 50 Hz / 60 Hz		
Control type	Current regulation		
Energy settings	By 1% increments of total energy		
Pulse duration	Adjustable (0.1 ms to 10 ms)		
Generator cooling	Forced air		
Size	L 420 mm x W 240 mm x H 280 mm		
Weight	25 Kg		
Programming	9 adjustable programmes		
Adjustable external settings	<ul style="list-style-type: none"> <li>Welding power (0 to 99 %)</li> <li>Pulse duration (0.1 to 10 ms – by 0.1 ms increments)</li> </ul>		
Maximum pulse rate	Factory configuration: 4 pulses / second (300j)		
Weld area protection	Inert gas (argon 4.5—UN1006)		
Accessories and options (*) Model-dependent	<ul style="list-style-type: none"> <li>Control pedal</li> <li>Micro-welding torch</li> <li>Ø 1.0 mm ; 1.6 mm ; 2.4 mm electrodes</li> <li>Clamp holders for Ø 1.0 mm ; 1.6 mm ; 2.4 mm electrodes</li> <li>Collet bodies for Ø 1.0 mm ; 1.6 mm ; 2.4 mm electrodes</li> <li>Nozzles</li> <li>Welding helmet with x2.5 diopetre magnifying lens*</li> <li>Binocular stereo microscope x4 to x20 with articulated arm*</li> <li>(shutter &amp; adjustable 64-LED ring light illuminator)</li> </ul>		

## ACCESSORIES



Mobile telescopic generator stand



Binocular stereo microscope



Welding helmet



Control pedal



Microwelding torch

The full range of LASE ONE accessories is available online at: [www.pcs-company.com](http://www.pcs-company.com)