

LASE ONE

MICRO WELDING

IMPULSE PULLED PLASMA ARC

LASE ONE MODELS 200 - 250 - 300

« THE ALTERNATIVE TO LASER WELDING »

- Appearance and quality of the weld very similar to laser welding: precision, homogeneity, strength, etc...
- No heat , no deformation.
- Welds ferrous, non-ferrous and precious materials (gold, silver, etc.)
- Built to be efficient on small and large parts.
- Reliable and easy to use and operate.
- Pulled arc plasma with an average power adjustable from 1 to 300 joules.
- Adjustable weld time from 1 to 99 tenth of micro seconds .
- Independent adjustment of welding power and welding time.
- Economical and safe



Picture no contractuel

APPLICATIONS FOR MOLD

The LASE ONE technology is the solution to your delicate surfacing and assembly micro welding problems. The LASE ONE delivers welding energy with total control and precision, for a very wide range of applications, materials and configurations. With high performance, ease of use, compact and versatile, it combines the quality of laser welding with the advantages of an electric solution : easy to operate, portable and affordable price.



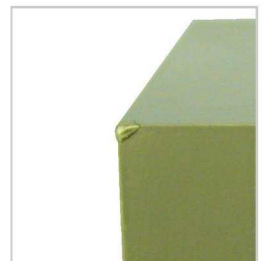
Aluminum



Steel



Copper



Bronze

SST MICROWELDING

www.sstmicrowelding.com



CARACTERISTICS

Model	LASE ONE 200i	LASE ONE 250i	LASE ONE 300i
Max. output welding energy	200 J	250 J	300 J
Supply	1~220V/50Hz/60Hz		
Type of control	Current regulation		
Energy adjustments	By increments of 1% of total power (200J/ 250J/ 300J)		
Impulse time	Adjustable from 1 tenth μ S to 9.9 ms		
Cooling generator	Forced air		
Dimensions	Length 420 mm x width 240 mm x height 280 mm		
Weight	22 Kg		
Programming	9 programs integrating all the parameters separately		
Adjustable external parameters	<ul style="list-style-type: none"> ▪ Welding power from 1 to 99 % ▪ Impulse time (in 10th of micro seconds - (μS) 		
Maximum impulse speed	Factory preset maxi 4 Imp. / sec.		
Protection of the weld	Inert gas (Argon type 4.6)		
Accessories and options [*]	<ul style="list-style-type: none"> ▪ Control pedal ▪ Stylus torch applicator ▪ Electrodes dia. 1.6 mm ▪ Electrodes holding grippers for dia. 1.6 mm ▪ Neck supports for electrodes dia. 1.6 mm ▪ Mini nozzle ▪ *Controlled blocker welding mask ▪ *Binocular x20 (controlled blocker / adjustable support / cold lighting by led) 		

ACCESSORIES



- 1 - Welding stylus torch.
2 - Controlled shutter welding mask.
3 - Control pedal.

4 - Binocular stereo microscope (x20) with controlled shutter, cold lighting LED (OPTION)

Note : The complete range of LASE ONE accessories can be found on the Internet site www.sstmicrowelding.com (Ground, ground braids, grippers, piece supports, stylus supports, etc.).

— SST MICROWELDING —

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