

LASE ONE

MICRO WELDING

IMPULSE PULLED PLASMA ARC

LASE ONE MODELS 150 - 225 - 300

« THE ALTERNATIVE TO LASER WELDING »

- Appearance and quality of the weld very similar to laser welding : précision, , 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 0 to 300 joules.
- Adjustable weld time from 1 to 99 micro seconds (steps of 1 micro second).
- Independent adjustment of welding power and welding time.
- Economical and safe
- Programmable



Photo not contractually

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.

TYPICAL APPLICATIONS

FOR ASSEMBLY



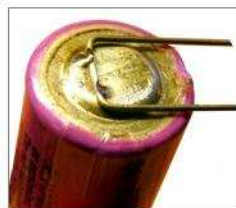
Dental



Jewellery (gold, silver, etc.)



Aeronautics



Batteries and accumulators

FOR MOLD and DIE



Aluminium



Aluminium



Steel (corners)



Copper / Bronze



Steel (edges)



Thin brooches

SST MICROWELDING

www.sstmicrowelding.com



CHARACTERISTICS

Model	LASE ONE 150i	LASE ONE 225i	LASE ONE 300i
Max. output welding energy	150 J	225 J	300 J
Supply	1~220V/50Hz/60Hz		
Type of control	Current regulation		
Energy adjustments	By increments of 1% of Joules		
Impulse time	Adjustable from 1 μ s to 10 ms		
Cooling generator	Forced air		
Dimensions	Length 420 mm x width 240 mm x height 280 mm		
Weight	22 Kg		
Programming	10 programs integrating all the parameters separately		
Adjustable external parameters	<ul style="list-style-type: none"> Welding power from 0 to 99 % Impulse time (in micro seconds - (μs)) 		
Maximum impulse speed	Factory preset 4 Imp. / sec.		
Protection of the weld	Inert gas (Argon type)		
Accessories and options (*) depending on the model	<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 x1-4 (controlled blocker / adjustable support / cold lighting by led / Stylus holder) 		

ACCESSORIES



1



4



2



3

- 1 - Welding stylus torch.
 2 - Controlled shutterer welding mask.
 3 - Control pedal.
 4 - Binocular stereo microscope (x1-x4) with controlled shutter, cold lighting LED and Stylus holder.
 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.).

EXCLUSAMENTE EN MEXICO:
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