

THE WORLD BENCHMARK FOR HIGH QUALITY WELDING

O.06 to 1 mm Precious metals Ease of use Process control

PLASMAFIX 51

Micro Plasma welding installation manual or automatic

Applications areas

Aeronautic – Automotive – Fine boiler making thickness - Nuclear



- 1 Mold repair
- Engines / Transformers
- Probes / Sensors
- 4 Measuring Instruments
- 5 Bellows
- 6 Fine sheet metal
- 7 Jewelry
- 8 Filters

Materials

The MICRO PLASMA process is used successfully on most precious metal, except aluminium and its alloys.

Assembly		Welding speed	Current	Torch	Gas	
Material	Thickness mm	cm/mm	А	Nozzle mm	Plasma L/mm	Annular L/mm
Stainless steel	0.06	65	2	0.8	0.15	4/6
Constantan	0.1	50	3	0.8	0.15	4/6
Iron / Nickel	0.8	45	15	1.5	0.2	5/7
Cupronickel	0.5	60	10	1.2	0.2	5/7
Copper / Silver nickel	0.3	60	45	1.8	0.2	7
Titanium / Zirconium / Tantalum	0.5	70	25	1.2	0.2	7
Gold	0.2	40	5	1	0.15	4/6



Argon
Argon+H2
He



MICRO PLASMA PROCESS



The micro plasma arc created by the combination of a current and a gas, concentrated by means of a nozzle, allows the use in welding of a high energy on a reduced surface.

The efficiency and precision of the arc on the work piece are maximum.

PLASMAFIX 51 POWER SOURCE

- High performance linear amplifier
- ■100 programs
- Clear display on LCD screen
- Parameter change during welding
- Printing programs
- Integrated process control
- Continuous welding smooth or pulsed
- Automatic interfacing
- Cooling by liquid

Supply	230/400/440 V Triphase				
Frequency	50/60 Hz				
Micro Plasma					
Mini current	0.08 A				
Maxi current	50 A				
Duty cycle	100%				
Pulsed current	0.1 Hz - 10 Khz				
Tig					
Mini current	0.8 A				
Maxi current	50 A				
Duty cycle	30 A / 100%				

MICRO PLASMA SP45 TORCH



SP45 torch manual or automatic				
Maxi current	45 A			
Duty cycle	100%			
Nozzle	0.6 to 1.8 mm			



BEING PRESENT LOCALLY

MAKES US MORE AWARE GLOBALLY

Benefit from the Market Leader



CUSTOMER ASSISTANCE POLICY

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