



## MARC 1 CW

Manual Pad Welding System  
for stud welding with rotating arc

### Technical Data

Welding range	1/4" to dia. 1.10" (M6 to dia. 28 mm) (pad)*
Welding material	Steel, stainless steel
Welding rate	20 pieces/min (1/4" to 1/2") (M6 to M12), 4 pieces/min (0.71") (M18)
Welding current	1,000 A (max.)
Welding time	5 to 1,000 msec (stepless)
Primary power	480/460 V, 32 A (IT 1001); 115/230 V (CUC)
Power source	Inverter
Field former unit	Controlled
Insulation class	IP 23
Dimension L x W x H	25.98" x 11.02" x 13.39" (660 x 280 x 340 mm) (IT 1001) 25.98" x 8.66" x 13.39" (660 x 220 x 340 mm) (CUC); without handle
Weight	63.93 lbs (29 kg) (IT 1001) 52.91 lbs (24 kg) (CUC)
	* System also suitable for stud welding
Order No.	<b>MARC1.CW</b>  Consists of: Welding unit IT 1001 Welding gun AM 30 CW Field former FCW Field former universal Shielding gas tripod AM 30 CW Cooling unit CUC Gas control module 2-channel

### General Information

#### Application

- Welding of threaded pads and welding nuts
- Welding on punched and unpunched sheets
- Especially suited for shop and installation applications



## Advantages

### Description

- Low energy consumption
- Even and minimal heat input (low distortion)
- Very short welding time ( $\leq 1$  second) and consequently short cycle time in production
- No welding additives required
- Minimum upsetting force
- Small and even welding seam
- Only one-sided accessibility to the work piece required
- Low investment costs for machine technique
- Extremely clean process (minimum development of airborne particles)
- No reworking of work piece or welding element (thread)

Issue 10/06

(Technical data may change)