

**MICROWELD MODEL MD HEAVY DUTY RESISTANCE  
FLASH WELDERS**

NEARING  
**100 YEARS**  
of **EXCELLENCE**

**GLOBAL BUTT WELDER  
MANUFACTURER**

MicroWeld offers 4 MD model welders, engineered for cost efficient, high production, very large diameter steel rod welding. They produce consistently high quality welds uniquely formed under heavy upset pressures delivered by a motor driven cam assembly.

The extra heavy-duty transformer is the most stable and cost efficient available to steel rod producers and processors today.



MD model welders have a convenient control station allowing for easy selection of weld modes, flashing speed and heat selection.

The welders feature electronic weld heat selection switch for precision and safety flash guard system.

The foot controlled individual clamping pedals allow for easy placement and adjustment of material position.

The heavy duty clamping mechanism is pneumatically controlled to assure positive positioning and is equipped with cylinders that have long lasting neoprene diaphragms.

Contact MicroWeld for more details on MD welders.

**SEE BACK FOR TECHNICAL  
SPECIFICATIONS AND FEATURES**

**MICROWELD CUSTOMER SERVICE  
& SUPPORT WORLDWIDE**

Micro Products Company  
6523 N. Galena Road  
Peoria, Illinois 61614 (U.S.A.)  
Phone: +1 630-406-9550  
Toll-Free: 1-800-872-1068 (in U.S.A.)  
Email: [info@micro-weld.com](mailto:info@micro-weld.com)

For International Rep Network or  
More Information: [www.micro-weld.com](http://www.micro-weld.com)

**MICROWELD MODEL MD HEAVY DUTY RESISTANCE  
FLASH WELDERS**

**Specifications**

	Model MD-4.1	Model MD-5.1	Model MD-6.1
<b>Welding Size Range</b>	6.4mm to 19.0mm .250" to .750" diameter	12.7mm to 28.5mm .500" to 1.125" diameter	19.0mm to 38.0mm. .750" to 1.500" diameter
<b>Operating voltages</b>	480 or 600	volts 480 or 600 volts	460 or 600 Volts
<b>Input power cycles</b>	50 or 60 hertz	50 or 60 hertz	50 or 60 hertz
<b>Line Demand 480 volts</b>			Line Demand 460 volts
-Flash Cycle	12 seconds at 50 amps	20 seconds at 70 amps	25 sec. @ 90 amps
-Upset Cycle	1.5 seconds at 400 amps	2 seconds at 450 amps	3 sec. @ 890 amps
<b>Line Demand 600 volts</b>			Line Demand 600 volts
-Flash Cycle	12 seconds at 40 amps	20 seconds at 60 amps	25 sec. @ 70 amps
-Upset Cycle	1.5 seconds at 320 amps	2 seconds at 360 amps	3 sec. @ 680 amps
<b>Single Phase A/C</b>	192 KVA	216 KVA	308 KVA @ 50% Duty Cycle
<b>Requirements Air</b>	6 bar 7.5 litres per weld	6 bar 450 c.u. in per weld	6 bar 600 cu. in per weld (1520 cu. cm)
<b>Mounting</b>	4 caster type wheels	4 caster type wheels	4 caster type wheels

**Dimensions & Weights**

<b>Floor Space</b>	152cm x 94cm (60" x 37")	152cm x 94cm (60" x 37")	234cm x 97cm (92" x 38")
<b>Height Overall</b>	50" (127cm)	50" (127cm)	63" (160cm)
<b>Welding Die Height</b>	43" (109.22cm)	43" (109.22cm)	42" (107cm)
<b>Weight</b>	2025 lbs (918.52kg)	2325 lbs (1054.60kg)	5770 lbs (2620 Kg)

**Standard Features**

- Rugged Construction
- Dual Foot Operated Clamping
- Electronic Heat Control
- Self Contained 24 Volt Safety Control Circuits
- Motor Driven Upset
- Heavy Duty Straight Slide Movable Headpiece
- Mounted On Base Unit With Caster Wheels

**Optional Features**

- Anneal Function
- SCR Controlled Anneal with Optical Pyrometer
- "V" Type Track Wheels
- Flat Stock Die Sets
- Integral Anneal Clamps

**YOUR TRUSTED BUTT  
WELDER PARTNER**

**MICROWELD CUSTOMER SERVICE  
& SUPPORT WORLDWIDE**

Micro Products Company  
6523 N. Galena Road  
Peoria, Illinois 61614 (U.S.A.)  
Phone: +1 630-406-9550  
Toll-Free: 1-800-872-1068 (in U.S.A.)  
Email: info@micro-weld.com

For International Rep Network or  
More Information: [www.micro-weld.com](http://www.micro-weld.com)