

# High Performance Electric Resistance **Butt Welders** for wire • rod • cable



## Value-Added Welding Solutions for 85+ years

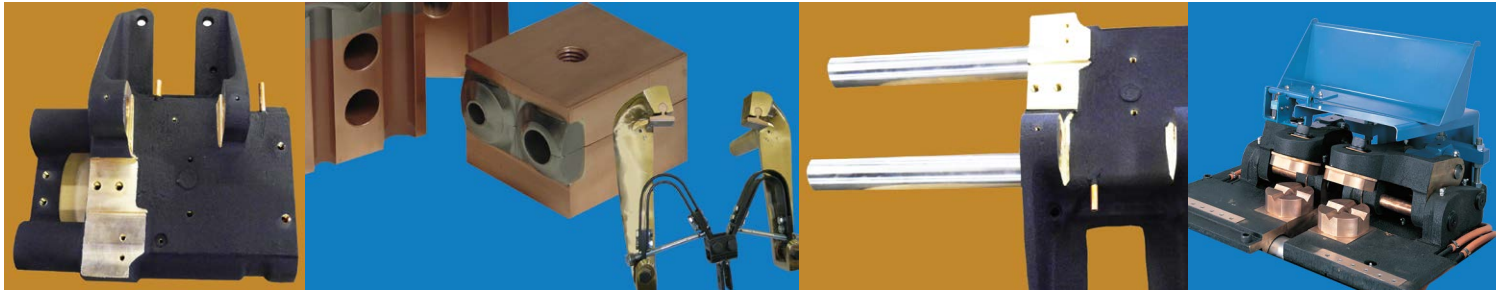
- Leading manufacturer of heavy-duty Micro-Weld electric resistance butt and flash welders since 1928
- Our welders are helping customers process wire, rod and cable in the most efficient manner worldwide
- Unique robust design allows for simplicity of operation, repeatability and reliability for years to come
- 50 models to choose from, custom design capabilities, and a wide variety of accessories

## Designed and Manufactured to Meet WorldClass Quality Standards

- Experienced technical professionals manage every phase of production
- In-house foundry to produce castings
- State-of-the-art manufacturing equipment in our factory
- We build our own uniquely designed heavy-duty transformers

## Micro-Weld Special Services Give Customers a Competitive Edge

- Sample weld evaluation
- Optimize customer's welding processes
- On-site service and training
- Customized PM services



## Genuine Micro-Weld Parts

- Knowledgeable sales staff to address your parts needs
- Rapid response
- Customized stocking program



## Butt Welders for Steel • Copper • Aluminium Bronze • Alloys

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Patel Trading Co. Middle East (LLC)

See Next Page for Details

## Butt Welders for Steel, Stainless and Alloy Wire and Rod



### J Series (5 Models)

0.5mm to 12.70mm diameter

#### Model THD

3mm to 12.70mm diameter

#### Model HX

3mm to 19mm diameter steel rods

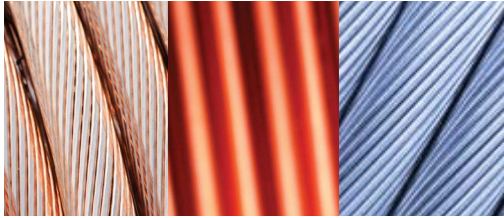
### ADX-1 Heavy-Duty Welder

6mm to 25.5mm diameter steel rods

### MD Series Heavy-Duty Flash Welders (4 Models)

6mm to 44.5mm diameter steel rods

## Butt Welders for Copper and Aluminium Wire, Rod and Cable



### J Series (5 Models)

0.8mm to 12.7mm diameter

### AD Series

#### Weld Large Diameter Wire/Cable

Sleeveless welding of stranded conductors 27mm<sup>2</sup> to 2500mm<sup>2</sup>  
Solid conductors from 4.75mm to 45mm+

### Ceramic Fusion Butt Welders for Stranded Conductors

GP Models (4): 0.12mm<sup>2</sup> to 25mm<sup>2</sup>

Model HP-1: 10mm<sup>2</sup> to 150mm<sup>2</sup>

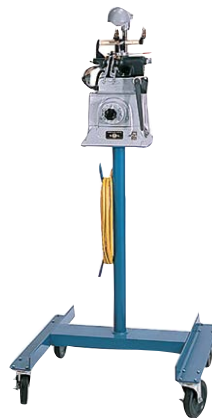
Welders use ceramic sleeves for burr-free welding

### Fine Wire Butt Welders

Models available for a wide range of sizes  
Copper: From .177mm to 1.270mm diameter  
Steel: From .127mm to 1.574mm  
Weld very thin wire

### Other Welders Available

- Flat Strip Butt Welders
- Ring Welders
- Steel Tire Cord Welders
- Silver Solder Brazier
- Electro-Cut Units for Cutting and Fusing Steel Cable & Rope



Annealing and Other Options/Accessories Available

Micro-Weld Customer Service & Support Worldwide

[www.micro-weld.com](http://www.micro-weld.com)



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**85+ years  
of Excellence**

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# Micro-Weld High Performance Butt Welders For Wire Rod Cable



## PRODUCT FINDER

**STEEL • STAINLESS • ALLOYS**      **COPPER • ALUMINUM • ALLOYS**

LOW-MILD-HIGH CARBON

### WIRE & ROD BUTT WELDERS

MODEL	DIAMETER		MODEL	DIAMETER	
	MIN (mm)	MAX (mm)		MIN (mm)	MAX (mm)
SEMT	.12	.63	GS	.88	5.71
ACMT	.25	1.57	THD	3.17	12.70
E1S	.25	1.57	H	6.35	15.88
J3S	.50	2.03	HX	3.18	19.05
J4S	1.01	4.06	ADX-1	6.35	25.40
J5S	1.52	6.35	MD-4	6.35	19.05
J6S	4.74	9.52	MD-5	12.70	28.57
J8S	6.35	12.70	MD-6	19.05	38.10
GT	.50	3.81	MD-8	25.4	44.45

### FLAT STOCK BUTT WELDERS, STEEL STRIP

#### WELDING CAPACITIES

MODEL	MIN THICKNESS (mm)	MAX WIDTH (mm)
J4SF	.25	19.05
J5SF	.25	25.40
J6SF	.50	31.75

### SPECIAL USE MICRO-WELD UNITS

Heater and Anneal Units		Electro-Cut Units-for severing and fusing steel cable and rope	
MODEL	HEATING CAPACITIES (mm)	MODEL	SEVERING CAPACITIES (mm)
MTAN-1	.15 to 1.57	E1S	.25 to 1.57
MTAN-2	1.01 to 3.04	J4S	.81 to 4.74
HU-1	3.17 to 12.70	J6S	1.57 to 9.52
HU-4	9.52 to 19.05	HX	3.17 to 22.20
		D-5	15.80 to 38.10

### STRAND TIRE CORD MATERIALS, STEEL

MODEL	WELDING CAPACITY (mm)
MTE-1	.40 to 1.27

### RING WELDERS, STEEL

MODEL	MIN DIA (mm)	MAX DIA (mm)
RW-1	.76	4.74
RW-2	2.03	6.35
RW-3	4.75	9.52
RW-4	6.35	12.7

### WIRE & ROD BUTT WELDERS

MODEL	CAPACITY (Copper Wire-mm)	CAPACITY (Aluminum Wire-mm)
SEMT	.17 to .50	.17 to .63
ACMT	.25 to 1.01	.25 to 1.57
E1C	.38 to 1.27	.38 to 1.27
GC	1.01 to 3.25	1.27 to 5.08
J3C	.81 to 1.62	.81 to 1.62
J4C	1.62 to 3.25	1.62 to 3.25
J5C	2.03 to 6.35	2.03 to 6.35
J7C	3.17 to 9.52	3.17 to 9.52
J8C	4.76 to 12.70	4.76 to 12.70
AD-3	4.76 to 9.52	6.35 to 12.70
AD-4	6.35 to 12.70	9.52 to 19.05
AD-5	9.52 to 19.05	12.70 to 22.20
AD-6	12.70 to 25.40	15.80 to 34.92
AD-8	12.70 to 31.75	15.80 to 38.10
AD-10	12.70 to 33.02	12.70 to 44.5

### STRAND CONDUCTOR BUTT WELDERS

MODEL	CAPACITY (Copper Conductors)	CAPACITY (Aluminum Conductors)
GP-0	.12mm <sup>2</sup> to .82mm <sup>2</sup>	.50mm <sup>2</sup> to 10.0mm <sup>2</sup>
GP-1	.50mm <sup>2</sup> to 10.0mm <sup>2</sup>	.50mm <sup>2</sup> to 10.0mm <sup>2</sup>
GP-2	4mm <sup>2</sup> to 25mm <sup>2</sup>	4mm <sup>2</sup> to 25mm <sup>2</sup>
GP-3	.50mm <sup>2</sup> to 25mm <sup>2</sup>	.50mm <sup>2</sup> to 25mm <sup>2</sup>
HP-1	10.0mm <sup>2</sup> to 120mm <sup>2</sup>	10.0mm <sup>2</sup> to 150mm <sup>2</sup>
DP-1	105mm <sup>2</sup> to 385mm <sup>2</sup>	105mm <sup>2</sup> to 506mm <sup>2s</sup>
AD-3	27mm <sup>2</sup> to 85mm <sup>2</sup>	38mm <sup>2</sup> to 126mm <sup>2</sup>
AD-4	38mm <sup>2</sup> to 126mm <sup>2</sup>	85mm <sup>2</sup> to 283mm <sup>2</sup>
AD-5	85mm <sup>2</sup> to 283mm <sup>2</sup>	126mm <sup>2</sup> to 385mm <sup>2</sup>
AD-6	126mm <sup>2</sup> to 506mm <sup>2</sup>	202mm <sup>2</sup> to 642mm <sup>2</sup>
AD-8	126mm <sup>2</sup> to 642mm <sup>2</sup>	253mm <sup>2</sup> to 1013mm <sup>2</sup>
AD-10	Weld up to 2500sqmm • Contact Micro-Weld for details	

### REFERENCE TABLES FOR SPECIAL NON-FERROUS WELDERS

#### Flat Stock Materials

MODEL	MINIMUM THICKNESS (mm)	MAXIMUM WIDTH (mm)
J5ADU	.12	25.40
J6ADU	.30	38.10

### MICRO-WELD SILVER SOLDER BRAZER

MODEL	CAPACITY COPPER WIRE
BU-1	.321mm to 1.291mm solid copper wire .129mm <sup>2</sup> -.205mm <sup>2</sup> to 1.31mm <sup>2</sup> stranded copper

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USED  
WORLDWIDE**



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**35+ years  
of Excellence**

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