



MICRO PRODUCTS CO.



Micro Products Company

For over 80 years staying in the forefront of technology, building Butt Welders

Today, when customers think of the most advanced butt welders in the world, they think of **Micro-Weld**.



Over 50 models are available for a wide range of applications and capacities

- **Steel Wire & Rod**
 - **Alloys**
 - **Flat stock Steel**
 - **Cable**
 - **Copper**
 - **Aluminum**
 - **Brass**
 - **Stranded steel cord (tire)**
 - **Stranded or Bunched Conductors**
& MORE



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J Series Butt Welders For Steel Wire & Rod

Machine Features:

- ✓ Flat Stock Steel Strip models also avail.
- Single operation - quick foot pedal operation activates clamping-upset and electrical circuits automatically
- Self-aligning welding dies
- Pivot type welding headpieces
- Front annealing clamps
- Optional: Annealing device, Filing Vice, hand Shear

Machine Types:

Model	Diameter Range		Heat Selector	Transformer
J3S	.020 – .080"	.51 – 2.03mm	10 point	1.5 KVA
J4S	.040 – .160"	1.01 – 4.07mm	10 point	1.5 KVA
J5S	.060 – .250"	1.52 – 6.35mm	6 point	20 KVA
J6S	.187 – .375"	4.74 – 9.53mm	6 point	20 KVA
J8S	.250 – .500"	6.35 – 12.70mm	12 point	35 KVA



THD Series Butt Welders For Steel Wire & Rod

Machine Features:

- Heavy-duty single phase transformer
- Straight slide movable welding platens
- Low voltage safety switch circuits
- Heavy-duty construction
- Optional: Annealing device, Machinist Vice, Shear

Machine Types:

Model	Diameter Range		Heat Selector	Transformer
THD	.125 – .500"	3.18 – 12.7mm	6 point	19.2 KVA



HX Series Butt Welders For Steel Wire & Rod

Machine Features:

- Straight slide movable welding platens
- Heavy-duty transformers
- Heavy-duty pneumatic clamping and upset mechanism
- Low voltage safety switch circuits
- Heavy-duty construction
- Optional: Annealing device, Machinist Vice, Shear

Machine Types:

Model	Diameter Range		Heat Selector	Transformer
HX	.125 – .750"	3.18 – 19.05mm	12 point	44 KVA



ADX Series Super Heavy Duty Butt Welders For Steel Wire & Rod

Machine Features:

- Weld and anneal jaws in the same plane
- Super heavy-duty straight slide welding headpiece for superior weld results
- Compact heavy duty truck design with space saving foot print
- Separate welding and annealing circuits built in
- Heavy-duty clamping and upset mechanism
- Optional: Machinist Vice

Machine Types:

Model	Diameter Range		Heat Selector	Transformer
ADX	.250 – 1.00"	6.35 – 25.4mm	12 point	90 KVA



MD Series Heavy Duty Electric Flash Welders For Steel Wire & Rod

Machine Features:

- Rugged Construction, Easy to Operate Controls, Low Maintenance Costs
- Dual Foot Controlled, Clamping Mechanism
- Heavy Duty Adjustable Weld
- Heat Selection Switch, Water Cooled Components
- Self-Contained 120 Volt Safety Control Circuits, Safety Flash Guard System
- Motor Driven Upset Pressure Mechanism
- Heavy Duty Straight Slide Movable Headpiece
- Mounted On Base Unit With Caster Wheels
- Optional: Machinist Vice, Automatic Anneal Timer, SCR Controlled Anneal with Automatic IR Sensor, "V" Type Track Wheels, Flat Stock Die Sets, CAL Type Anneal Clamps, ARM Type Anneal Clamps, XAL Type Anneal Clamps

Machine Types:

Model	Diameter Range		Transformer
MD4	.250 – 1.00"	6.4 – 19.0mm	192 KVA
MD5	.500 – 1.25"	12.7 – 28.5mm	216 KVA
MD6	.750 – 1.50"	19.0 – 38.1mm	308 KVA



J Series Butt Welders For Flat Stock Steel Strip

Machine Features:

- Single operation - quick foot pedal operation activates clamping-upset and electrical circuits automatically
- Self-aligning welding dies, Pivot type welding headpieces
- Front annealing clamps, Extra heavy-duty transformers

Machine Types:

Model	Max Thickness		Max Width	
J4F	.010"	.25mm	.0750"	19.05mm
J5F	.010"	.25mm	1.00"	25.4mm
J6F	.020"	.50mm	1.25"	31.75mm



EC1, SEMT, ACMT, GC Series Fine Wire Butt Welders

- ✓ 2 Steel Wire Models: From .010" (.254mm) to .062" (1.575mm) diameter
- ✓ 2 Copper/Alum Wire Models: From .015" (.381mm) to .020" (.508mm) Diameter

GC Copper model from wire .040" to .128" (1 to 3.251mm) dia
GC Aluminum model from wire .050" to .200" (1.27 to 5.08mm) dia.



J Series Butt Welders For Cooper & Aluminum Wire & Rod

- ✓ 5 Models: From .032" (.81mm) to .500" (12.7mm) diameter



AD Series Heavy Duty Butt Welders For Copper, Aluminum & Brass Stranded or Solid Conductors

- ✓ 6 Models: Alum model From .250" (6.35mm) to 1.750" (44.5mm) dia.
- ✓ 6 Models: Copper model From .187" (4.76mm) to 1.300" (33mm) dia.
- ✓ 6 Models: Alum strand model From #2 mcm (38mm²) to 1.750" (1970.5mm²)
- ✓ 6 Models: Copper strand model From #4 mcm (27mm²) to 1.600" (1295mm²)



GP-1, HP-1 Series Ceramic Fusion Butt Welders for Stranded or Bunched Conductors

- ✓ 2 Models: Alum model From 20ga (.50mm²) to 250mcm (150mm²).
- ✓ 2 Models: Copper model From 20ga (.50mm²) to 4/O awg (120mm²).
- ✓ Models GP-2 & GP-3 also available. Contact for details.
GP-2: 12-4ga (4-25mm²), GP-3: 20-4ga (.50-25mm²)



RW Series High Production Ring Welders

- ✓ 4 Models: Alum model From .030" (.762mm) to .500" (12.7mm).
- ✓ Ideally suited for either high speed piece production butt welding or just welding wire from coil to coil.
- Superior repeatability
- Excellent weld integrity
- A minimum of moving parts
- Straight slide welding platen
- A minimum of maintenance
- High speed

