

HIGH PERFORMANCE ELECTRIC RESISTANCE WELDERS

MICROWELD CERAMIC FUSION BUTT WELDERS • 5 MODELS

GP-1 • HP-1 BUTT WELDERS FOR COPPER ALUMINUM STRANDED CONDUCTORS

MicroWeld offers five models of ceramic fusion butt welders for burrless welding of copper and aluminum, stranded or bunched conductors.

MicroWeld ceramic fusion welders are the standard of the industry and they are used by all the top manufacturers to increase the quality and decrease the cost of their stranded conductors.

SOME OF THE STANDARD FEATURES THAT WILL HELP YOUR BUTT WELDING APPLICATIONS ARE:

- Weld made within specially designed ceramic sleeve which locks all filaments together producing a weld joint with no burr
- Easy to set welding parameters
- Solid state heat selection switch
- Heavy-duty construction and components

MicroWeld ceramic fusion welders are used on extrusion lines as well as re-spooling operation. They also help to drastically reduce scrap.

Contact MicroWeld for more information on ceramic fusion welders or the complete line of over 50 butt welder models.



SEE BACK FOR TECHNICAL SPECIFICATIONS AND FEATURES

MICROWELD CUSTOMER SERVICE & SUPPORT WORLDWIDE

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MICROWELD CERAMIC FUSION BUTT WELDERS • 5 MODELS

GP-1 • HP-1 BUTT WELDERS FOR COPPER ALUMINUM STRANDED CONDUCTORS

Specifications

	Model GP-1	Model HP-1
Type of Weld Process	Ceramic fusion	Ceramic fusion
Welding Range U.S.	20 ga to 8ga -Copper 20 ga to 8ga -Aluminum	8 ga to 4/0 AWG-Copper 8 ga to 250 MCM-Aluminum
Welding Range Metric	0.50mm2 to 10.0mm2-Copper 0.50mm2 to 10.0mm2-Aluminum	10.0mm2 to 120mm2-Copper 10.0mm2 to 150mm2-Aluminum
Material Suitability	Strand or bunched conductor	Strand or bunched conductor
Standard Operating Voltages	120 volts	240, 480 or 600 volts
Cycle	50 or 60 hertz	50 or 60 hertz
Line Demand	20 amps on 120 volts	160 amps on 240 volts 80 amps on 480 volts 65 amps on 600 volts
Single Phase A/C Transformer	2.4 KVA maximum rating	38.4 KVA maximum rating
Clamp method	Compound hand lever	Pneumatic, foot controlled
Upset method	Adjustable spring	Pneumatic, adjustable
Mounting	4-caster wheels or bench	4-caster wheels

Dimensions & Weights - All Models

Height overall	20" (50.8cm)-bench, 51" (129.54cm)-truck	46" (116.84cm)
Floor or bench space	9"x15" (22.86cmx38.1cm)-bench type 24"x24" (60.96cmx60.96cm)-truck type	39"x29" (99.06cmx73.66cm)
Welding die height	11" (27.94cm)-bench type 42" (106.68cm)-truck type	41" (104.14cm)
Weight	170 lbs. (77.11kg)-bench type 215 lbs. (97.52kg)-truck type	640 lbs.(290.24kg)

Standard Features

- Heavy Duty Construction & Components
- Easy to Set Welding Parameters
- Safety Electrical Switch Circuits
- Solid State Heat Selection Switch
- Ceramic Sleeve Acts as Welding Crucible
- No-Upset Burr Formation During Weld Process- All Strands Locked Into Weld Coalescence
- Sensitive Straight Slide Moveable Headpiece Assembly Equipped with Ball Bearings

Other GP Models Available:

- Model GP-0:
26 ga. to 16 ga. (CU or AL) (U.S.)
0.12mm2 to 1.3mm2 (CU or AL) (Metric)
- Model GP-2:
12 ga. to 4 ga. (CU or AL) (U.S.)
4mm2 to 25mm2 (CU or AL) (Metric)
- Model GP-3:
20 ga. to 4 ga. (CU or AL) (U.S.)
.50mm2 to 25mm2 (CU or AL) (Metric)

YOUR TRUSTED BUTT WELDER PARTNER

Optional Features

Model GP-1

- 4-Wheel Enclosed Truck
- 4-Wheel Post Type Truck
- Special Voltages

Model HP-1

- Machinist Vise With Mounting Brackets
- Pneumatic Square Cut Shear for Conductor End Preparation

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