

## MICROWELD CERAMIC FUSION BUTT WELDERS

GP-1 • HP-1.1 BUTT WELDERS FOR COPPER ALUMINUM STRANDED CONDUCTORS

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

**GLOBAL BUTT WELDER  
MANUFACTURER**

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
- 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 welder models.



**SEE BACK FOR TECHNICAL  
SPECIFICATIONS AND FEATURES**

#### MICROWELD CUSTOMER SERVICE & SUPPORT WORLDWIDE

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**MICROWELD CERAMIC FUSION BUTT WELDERS**

GP-1 • HP-1.1 BUTT WELDERS FOR COPPER ALUMINUM STRANDED CONDUCTORS

**Specifications**

	Model GP-1	Model HP-1
Type of Weld Process	Ceramic fusion	Ceramic fusion
Welding Range Metric	0,50mm <sup>2</sup> to 10,0mm <sup>2</sup> -Copper 0,50mm <sup>2</sup> to 10,0mm <sup>2</sup> -Aluminum	10,0mm <sup>2</sup> to 120mm <sup>2</sup> -Copper 10,0mm <sup>2</sup> to 150mm <sup>2</sup> -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	50.8cm (20")-bench, 129.54cm (51")-truck	117cm (46")
Floor or bench space	23cmx38cm (9"x15")-bench type 61cmx616cm (24"x24")-truck type	99cmx74cm (39"x29")
Welding die height	28cm (11")-bench type 107cm (42")-truck type	104cm (41")
Weight	77kg (170 lbs.)-bench type 98kg (215 lbs.)-truck type	295kg (640 lbs.)

**Standard Features**

- Heavy Duty Construction & Components
- Easy to Set Welding Parameters
- Solid State Heat Selection
- Ceramic Sleeve Acts as Welding Crucible
- No 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:](#)  
0.12mm<sup>2</sup> to 1.3mm<sup>2</sup> (CU or AL)
- [Model GP-2:](#)  
4mm<sup>2</sup> to 25mm<sup>2</sup> (CU or AL)
- [Model GP-3:](#)  
.50mm<sup>2</sup> to 25mm<sup>2</sup> (CU or AL)

**Optional Features**

- |   |  |
|---|--|
| <p>Model GP-1</p> <ul style="list-style-type: none"> <li>• 4-Wheel Enclosed Truck</li> <li>• 4-Wheel Post Type Truck</li> </ul> | <p>Model HP-1.1</p> <ul style="list-style-type: none"> <li>• Machinist Vise</li> <li>• Pneumatic Square Cut Shear for Conductor End Preparation</li> </ul> |
|---|--|



**YOUR TRUSTED BUTT WELDER PARTNER**

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