

# Edge 500 Butt Flash Welder



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**Construction:** The frame is constructed of cast iron and stress relieved to eliminate distortion. Upsetting force provided by pneumatic cylinder with additional multiplication through the 500's unique lever system which offers superior repeatability of upsetting force when compared to spring upset systems. The clamping system is designed for long life at maximum clamping pressure. Clamping force derived by using long handles to make it easier for the operator to obtain the proper clamping force.

Large clamping jaws to reduce deflection at high clamp force and reduce heat build up during high current flow. Grease fittings are placed on all bearings to allow simple maintenance of moving parts.



## Specifications:

### Mechanical System

- 900 lbs Upsetting Force
- Long Levers for High Clamping Force
- Quick Change Lower Jaws
- Single Screw to adjust clamping pressure
- Replaceable jaw inserts
- Wide cleaning position
- Temper only sequence for welder set up

### Weld Control Unit

- Weld enable/disable for welder maintenance
- 6 configuration settings including Upset voltage, Upset time, and multiple Temper settings
- Numerous fault monitors to provide safe operation

### Welder Capacities:

- 7 kVA welding transformer at 50% duty cycle
- 3/16" or 0.016" to 1 1/2" wide x 0.050" thick Bi-metal
- Band Length: Down to 44 7/8"
- Cycle Time: 1 minute weld and temper cycle (based on 5/8" x 0.022 Carbon Steel)
- Electric: 240 VAC, 30 Amp, single phase
- Air Requirements: 100 psi min., 12 scfm max.

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