



UPS SERIES

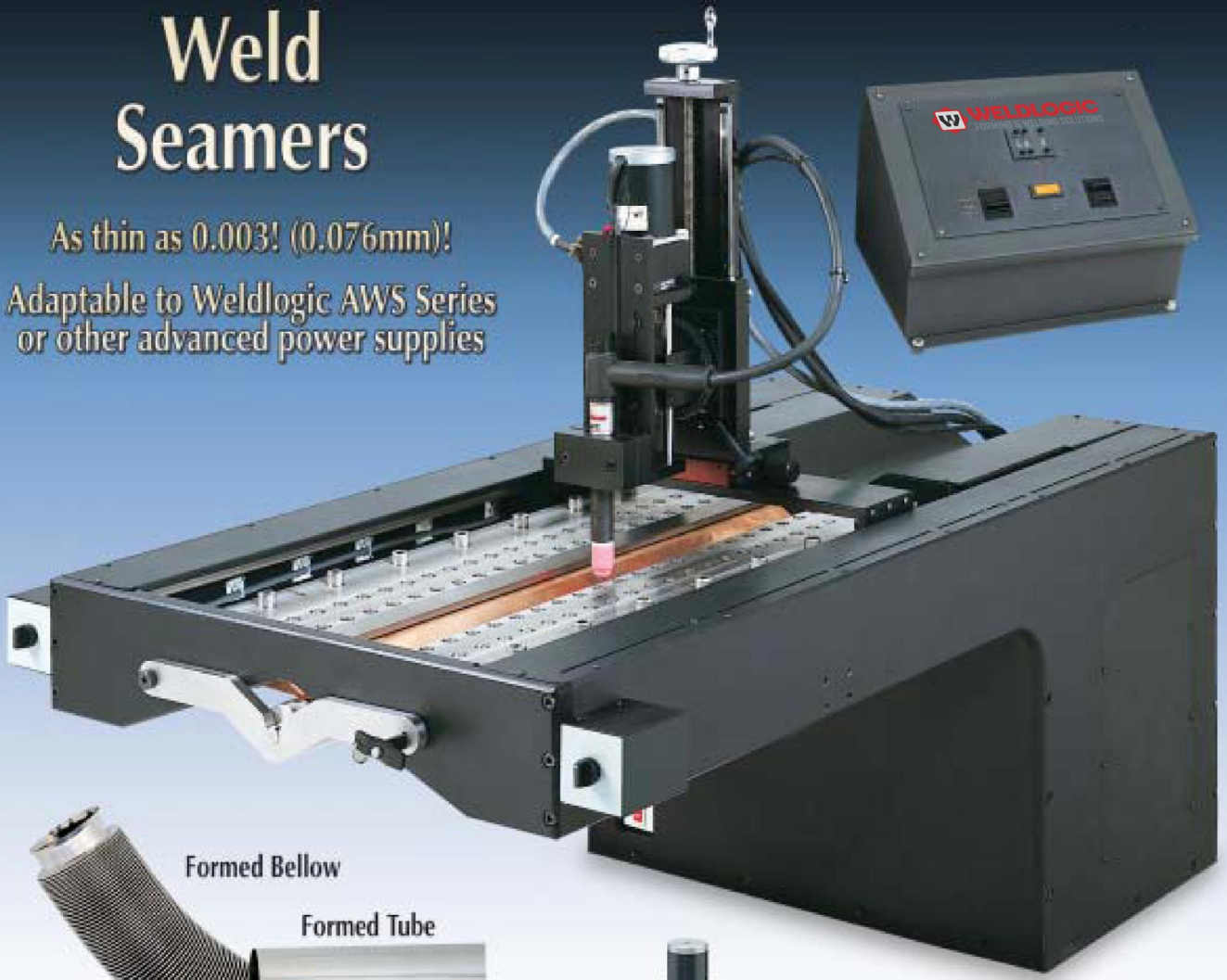
Precision Weld Seamers



WELDLOGIC
FORMING & WELDING SOLUTIONS

As thin as 0.003! (0.076mm)!

Adaptable to Weldlogic AWS Series
or other advanced power supplies



Formed Bellow

Formed Tube



Shim Stock



Screen



Micro

- Tig
- Plasma
- Laser

Features & Specifications

ULTRA PRECISION SEAMER

The rugged construction of the UPS Series seamers provides an ultra stable platform for precision seam welding of materials as thin as 0.003" (0.076mm) and as thick as 0.045" (1.143 mm). All standard & optional features of the Weldlogic AWS series automatic power supplies can be used in conjunction with the UPS Series seamers, such as Micro-TIG, Plasma modes, or YAG Laser depending on the specific welding application. The UPS Series can be adapted to other brands of advanced power supplies.

STANDARD FEATURES

- Pivoting front support arm with interlock facilitates placement of the component
- Adjustable clamping fingers available in solid or segmented configurations
- Servo-controlled linear motion of torch carriage using precision ball shaft
- Adjustable end of travel limit switches and home position switch
- Dual independent pneumatic clamping arms
- Adjustable clamping pressures for each arm
- Interchangeable back purge distribution bars
- Fine traverse torch position adjustment
- Foot pedal clamp and release controls
- Interchangeable backing mandrels



- Dual Stage Clamping System
- Adjustable Tooling
- Rigid Construction
- Rigid non flex construction
- End of Travel Limit Switches
- Cross Seam Torch Adjustment
- Interchangeable Backing Mandrel
- Pivot Latch

SPECIFICATIONS	UPS-12	UPS-24
Max. Material Length	12.0 in (304 mm)	24.0 in (609 mm)
Form Diameter	0.75 to >12 in (19 to > 304mm)	1.50 to >12 in (38 to > 304mm)
Material Thickness	0.003 to 0.045 in (0.076 to 1.143mm)	0.004 to 0.035 (0.102 to 0.889mm)
Clamp Pressure	0-15 & 0-60 psi (0-1.1 & 0-4.2 hg/cm ²)	0-15 & 0-45 psi (0-101 & 0-3.2 kg/cm ²)
Linear Travel Velocity	0.1-30.0 inches per minute	
Shop Air Requirements	60-80 psi standard dry supply (4.2-5.6 kg/cm ²)	
Electrical Requirements	110 or 220 VAC 50/60 Hz 1ph 110 W	

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