

PLS Precision Longitudinal Seamer

WELDLOGIC INC.

Welding Solutions For
Advanced Manufacturing



Weldlogic PLS Weld Seamers are designed for straight line welding of all weldable metals in thicknesses from .005" to 1/2" and lengths up to 10 feet.

The precision components and standard features of the PLS seamers provide a highly engineered complete platform for longitudinal welding. Optional features and available programmable welding controls provide unmatched capability for automating the welding process.

Contact our engineers to receive free weld process evaluation and sample welds.

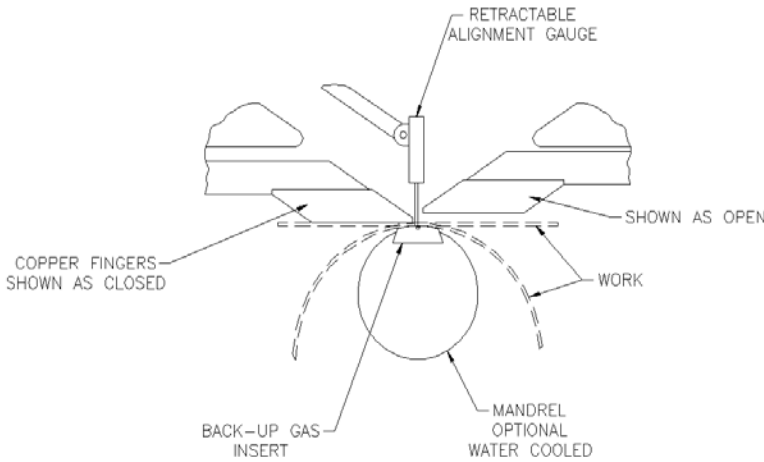


- Plasma
 - Tig
 - Laser
 - Mig
- Examples

PARTIAL APPLICATIONS LIST

- Electric motor cases
- Filter elements
- Automotive exhaust
- Nuclear vessels
- Vacuum components
- Cryogenic vessels
- Water tanks
- Coring drills
- Aircraft components
- Flexible metal hose

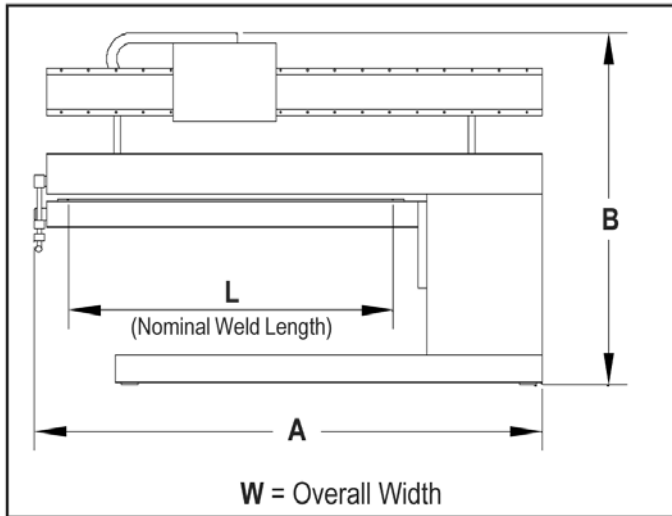
PLS Precision Longitudinal Seamer



STANDARD FEATURES

- Suitable for TIG, Plasma, MIG and Laser welding
- Fully welded fabrication
- Mandrel has vertical adjustment for different thicknesses
- Adjustable mandrel latch with unique safety control
- Independent left and right finger clamping
- Precision ball bearing, linear track for smooth travel
- Standard flexible track to support hoses and cables
- Unique, easy-to-use, precision alignment gages
- Advanced carriage controls with automatic sequencing
- Neumatic torch retraction
- Weld process development & support
- Dual pressure control

(CONTACT US FOR YOUR SPECIAL REQUIREMENTS)



Model	Min Dia.	L	A	B	W	Ship Wt. (lbs)
PLS -24	2 5/8"	24"	57"	65"	32"	1,975
PLS -36	3 1/2"	36"	69"	65"	32"	2,200
PLS -48	4 1/4"	48"	81"	65"	32"	3,525
PLS -60	5 1/4"	60"	93"	65"	32"	4,175
PLS -72	5 1/4"	72"	107"	68"	36"	4,625
PLS -84	6 7/8"	84"	126"	68"	36"	4,950
PLS -96	7 1/4"	96"	145"	68"	36"	5,300
PLS -120	9 1/2"	120"	161"	77"	41"	8,800

OPTIONS

- Water-cooled Mandrel
- Insert gas back-up
- Automatic gas purging
- Automatic finger release
- Heavy-duty flexible cable track
- P.L.C. Automation
- Loading cart
- Arc distance control
- Cold wire feed
- Video Monitoring
- Laser seam tracking

SPECIFICATIONS

Thickness capacity	0.005" - 1/2"
Maximum diameter	42"
Torch parallelism	± .003"
Speed ranges	1.5 to 60 IPM / 3.0 to 120 IPM
Speed holding accuracy	± 0.1%
Input power requirements	110/220 V. 1-ph, 50/60 Hz.
Compressed air	80-psi