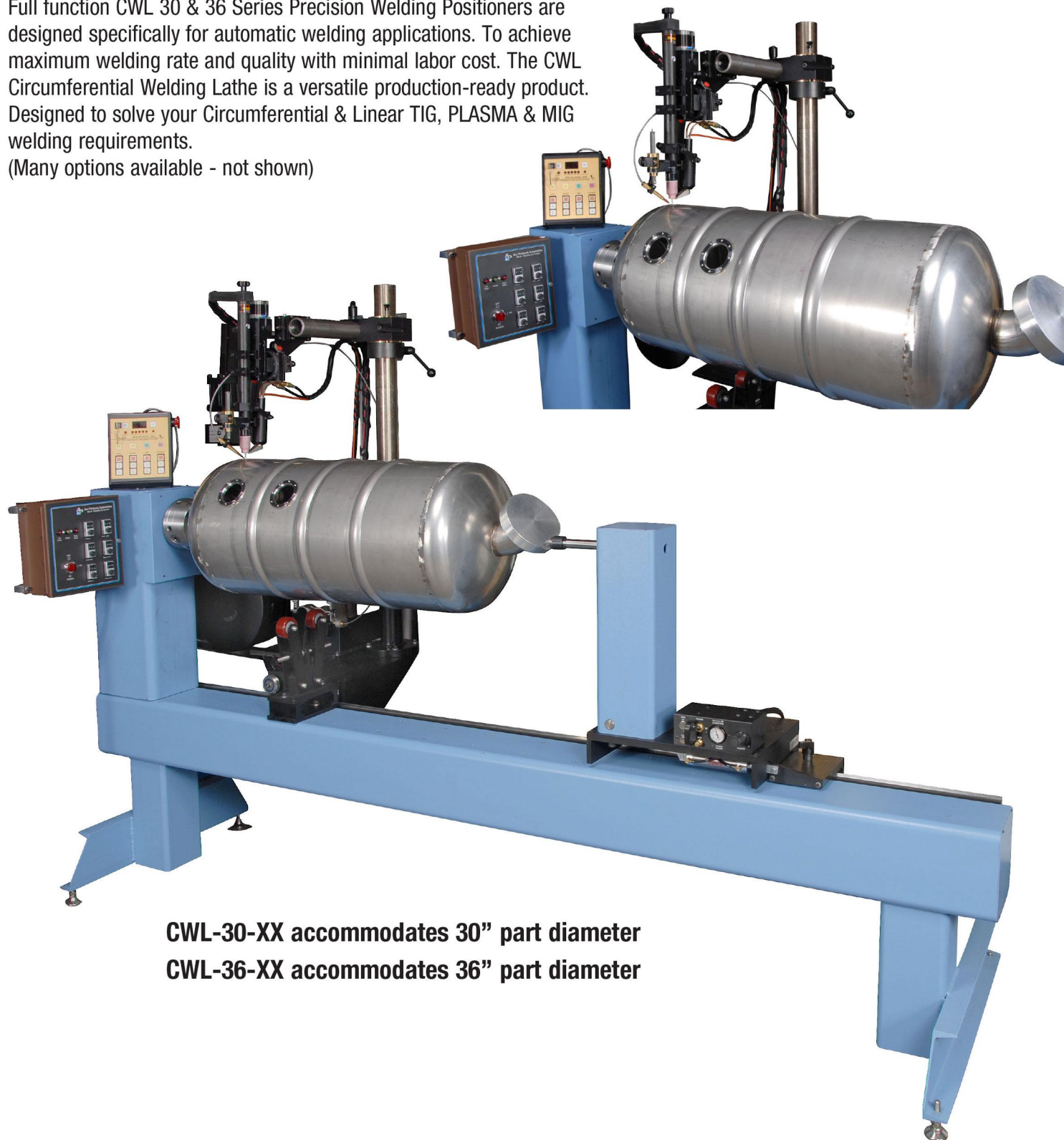




## CWL 30 & 36 Circumferential Welding Lathe

Full function CWL 30 & 36 Series Precision Welding Positioners are designed specifically for automatic welding applications. To achieve maximum welding rate and quality with minimal labor cost. The CWL Circumferential Welding Lathe is a versatile production-ready product. Designed to solve your Circumferential & Linear TIG, PLASMA & MIG welding requirements.

(Many options available - not shown)



**CWL-30-XX accommodates 30" part diameter**

**CWL-36-XX accommodates 36" part diameter**

CWL 30 & 36 CIRCUMFERENTIAL WELDING LATHE

FEATURES:

- Detachable Fixture Control Pendant
- Headstock: Direct Helical Gear Drive with Monolithic rigid all steel frame
- Bed: Rigid - all steel construction. Saddle & Tailstock ride on precision high capacity preloaded bearing system
- Tailstock: Rigid all steel construction with full range of alignment adjustment(s)
- Independent Tailstock Pusher System - maintains alignment over full range of thrust
- Torch Head swings to rear of tool for clear access when loading & unloading workpiece
- Detented and Locking Torch Tower Head Pivot for overhead loading

TYPICAL OPTIONS:

Headstock

- Rotary spindle ID gas purge
- Up to 3.00” (5.1 em) Spindle through hole
- Load capacity to 1 ,000 lbs ( 454 kg)

Tailstock

- Rotary gas purge
- Up to 3.00” (5.1 em) spindle through hole
- Thrust loads to 500 lbs ( 2,227 N)

Torch Tower

- Motorized z-axis
- Motorized torch mount rotary stage
- Dual Torches

SPECIFICATIONS:

- Input voltage: 100/125 200/250 VAC 50/60 Hz 100 VA
- Shop Air: 90 PSI - filtered
- Speed range .01” 30.00 RPM
- Speed accuracy: 0.10% of full scale
- T.I.R. .001”/ .025 mm
- Weld current capacity: up to 300 Amps
- Spindle through hole: 1.27 in 3.22 cm
- Tailstock stroke 3.00 in 76 mm/live center
- Maximum tailstock thrust force (90 PSI Shop air): 160 lbs. 708 N
- Workpiece weight capacity: 250 lbs. 113 kg

ADDITIONAL OPTIONS:

- Workpiece steady rest(s)
- Custom tooling to hold/locate workpiece
- Computer controlled turn-key systems
- Custom designed positioners
- Side beam carriage

BASIC MODEL NUMBER	DIM A		DIM B		DIM C		DIM D		DIM E		DIM F		DIM G	
	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)
CWL-30-48	48.0	121.9	84.5	214.6	30.0	76.2	21.5	54.6	34.2	86.9	41.6	105.7	62.5	158.8
CWL-30-72	72.0	182.9	108.5	275.6										
CWL-30-120	120.0	304.8	156.5	397.5										
CWL-30-144	144.0	365.8	180.5	458.5										
CWL-36-48	48.0	121.9	84.5	214.6	36.0	91.4	24.5	62.2	37.2	94.5	44.6	113.3	68.5	174.0
CWL-36-72	72.0	182.9	108.5	275.6										
CWL-36-120	120.0	304.8	156.5	397.5										
CWL-36-144	144.0	365.8	180.5	458.5										

Available in any length

Weldlogic USA Engineering & Mfg.

2651 Lavery Court, Newbury Park  
 CA 91320, USA  
 Tel. (805) 498-4004 | Fax. (805) 498-1761

Weldlogic Europe

Blackstone Road, Huntingdon  
 Cambridgeshire, PE29 6EF, UK  
 Tel. 01480 437478 | Fax. 01480 437479