

Fixed Height Turning Rolls

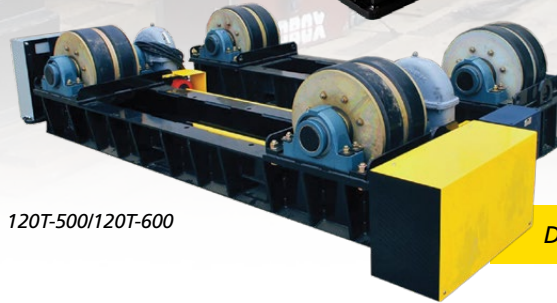
LJ turning rolls have the largest diameter range and load capacities in their class.



80T-700/800



200T-500/200T-600



120T-500/120T-600

DRIVE SHAFT FREE

SPECIFICATIONS

	60T-100/60T-200 60-Ton	80T-700/80T-800 80-Ton	120T-500/120T-600 120-Ton	200T-500/200T-600 200-Ton
Load Capacity:	Driver: 60,000 lbs Idler: 60,000 lbs	Driver: 80,000 lbs Idler: 80,000 lbs	Driver: 120,000 lbs Idler: 120,000 lbs	Driver: 200,000 lbs Idler: 200,000 lbs
Vessel Diameter Range:	1' – 18'	1.5' – 26'	1.5' – 26'	1.5' – 26'
Footprint: Idler (top of wheel): Driver (top of wheel):	66" x 131" x 61" 66" x 121" x 61"	50" x 174" x 32" 36" x 162" x 32"	50" x 184" x 31" 36" x 162" x 31"	50" x 184" x 31" 36" x 162" x 31"
Tractive Effort: Output Torque:	Dual Drive 8,400 lbs 120,000 in-lbs	Dual Drive 12,000 lbs 120,000 in-lbs	Dual Drive 20,400 lbs 240,000 in-lbs	Dual Drive 20,400 lbs 240,000 in-lbs
Power Requirements:	480V, 3-ph*	480V, 3-ph*	480V, 3-ph*	480V, 3-ph*
Operation Speed Range:	5-70 in/min	5-50 in/min	5-70 in/min	5-70 in/min

* 208 - 600V input power options available. All LJ turning rolls available with digital speed readout calibrated to inches/min or mm/min for precise welding speed control. Specifications subject to change; consult factory for all specifications.

Fixed height turning rolls are useful for:

- ✓ Quick change-overs between different sized work pieces
- ✓ Maximizing ease & quality of welds using synchronized rotation
- ✓ Seamless integration with manipulator applications

Features & Options



Cabled or wireless hand pendant with or without digital readout.



Bi-directional or variable speed foot switches.

1 1/2 TO 26 FOOT CAPACITY!



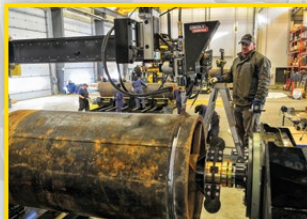
Turnkey Welding Systems

LJ's unique modular and flexible design allows for multiple pieces of equipment to be integrated into fully automated welding cells. Integrated systems ranging from standard positioners, fixtures and manipulators through to fully automated robotic welding systems are available to suit any application.

Subarc Overlay System



ACDC-1000 Submerged Arc manipulator integrated with custom 5-ton capacity tilt positioner for high-deposition overlay rebuild of pipe mill rollers.



Aerospace Welding Manipulator and Positioner System

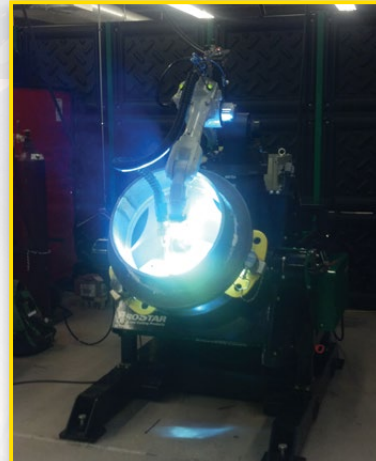


High precision aerospace GTAW+PAW welding manipulator with integrated servo positioner, used for welding of a variety of heat input sensitive turbine components. HMI interface, remote viewing camera and specialized Liburdi Automation welding system.

Robotic Welding and Positioner System

Fully integrated robotic welding process with coordinated motion tilt/rotate positioner, for up to 2,000 lbs high batch welding parts.

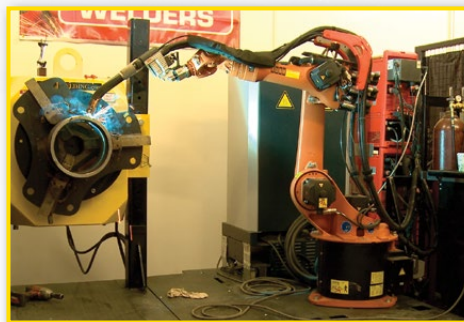
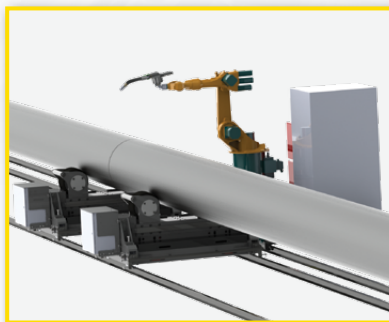
- ✓ Ideal for high-volume repetitive welding
- ✓ Fully integrated positioner, fixture, robot and welding package options
- ✓ Easy to use



Robotic Pipe Joining System

Fully integrated robotic welding process with servo positioner and material handling system for automated joining of heavy wall large bore pipe up to 60" diameter.

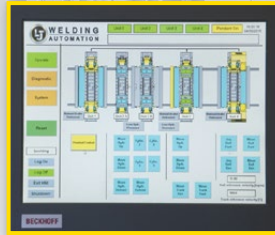
- ✓ Servo headstock for precise rotation speed
- ✓ Full alignment capabilities for roller supports for quick fit up of weld joint
- ✓ Robotic welding system automatically tracks seam for maximum productivity



Automation & Controls

Controls Panels

- Input power supply: 110-600 Volts and 50/60 Hz optional
- Master variable speed, direction, on/off local/remote controls
- PLC based HMI touchscreen or conventional push button controls to customer preference



FS-FR Forward/Reverse Foot Switch

- Heavy Duty Cast steel body with heavy duty guard/handle
- Momentary actuation (normally off)
- Heavy rubber 8 m (25 ft) cable with 4-pin metal plugs



HP-100 Single/Dual Axis Hand Pendants

- Ergonomic, easy to use, lightweight design, c/w protective guard
- Optional LCD digital speed readout
- Heavy rubber 8 m (25 ft) cable with 19-pin metal plugs



15 m (50 ft) Extension Cables Available!

Wireless Pendants

- For multiple-axes control or complex functions



FS-V Variable Speed Foot Switch

- Plug & Play with optional controller upgrade
- Main panel controls master speed range, foot switch used for variable speed in master range



Automation Capabilities

LJ utilizes user-friendly touch screen controls for plug and play integration of multiple machines to create fully integrated welding and material handling systems.



Fully integrated automated welding systems.

Robotic or fixed welding automation.

User friendly HMI Control

Material handling systems.

