

Low Profile Turntables

Low profile turntables are used for precise positioning in the flat or horizontal position. LJ's ultra-low profile turntables are the lowest profile turntables available on the market.

**AVAILABLE IN ANY
SIZE OR CAPACITY**



TRN10-200

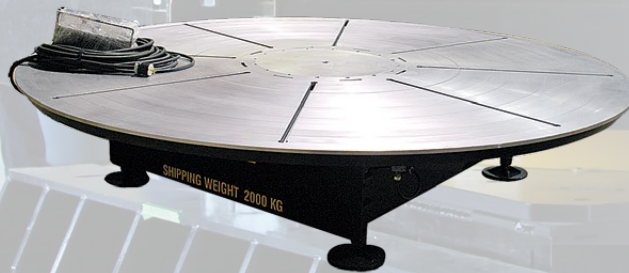


TRN40-100

Low Profile Turntables

SPECS	TRN2LS-300 2-Ton	TRN2HS-300 2-Ton	TRN10-700 10-Ton	TRN10HS- 100	TRN20-200 20-Ton	TRN40-100 40-Ton
Load Capacity:	4,000 lbs	4,000 lbs	20,000 lbs	5,000 lbs or 10,000 lbs	40,000 lbs	80,000 lbs
Eccentricity:	Up to 4"	0" (high speed operation)	Up to 6"	0" (high speed operation)	Up to 6"	Up to 12"
Footprint:	23.5" x 22" x 13.625"	23.5" x 22" x 13.625"	48.625" x 27.75" x 19.5"	36.75" x 36.75" x 21.375"	36.75" x 36.75" x 21.375"	120" x 120" x 44"
Table Size/ Span:	30"	30"	42"	52"	52"	120"
Power Requirements:	110V, 1-ph	110V, 1-ph*	110V, 1-ph*	480V, 3-ph*	480V 3-ph*	480V, 3-ph*
Rotation Speed:	0.1–1.8 RPM	0.2–10 RPM	0.1-3.6 RPM	3-60 RPM/1.5-30 RPM	0.05-1.5 RPM	0.05–1.2 RPM
Ground Capacity:	800 Amps	800 Amps	800 Amps	800 Amps	1,500 Amps	1,500 Amps
Equipment Mass:	350 lbs	400 lbs	1,550 lbs	1,900 lbs	1,900 lbs	12,350 lbs

* 208 - 600V, 50 or 60 Hz input power options available. Custom Height Range or powered height adjustability. Ground Capacity: up to 2500 Amp available. Specifications subject to change; consult factory for all specifications.



Custom Turntables

- ✓ Table size up to 16 ft diameter any style
- ✓ Capacity up to 100 tons
- ✓ Any speed range or precision

Features & Options



Cabled or wireless hand pendant with or without digital readout.



Bi-directional or variable speed foot switches.



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

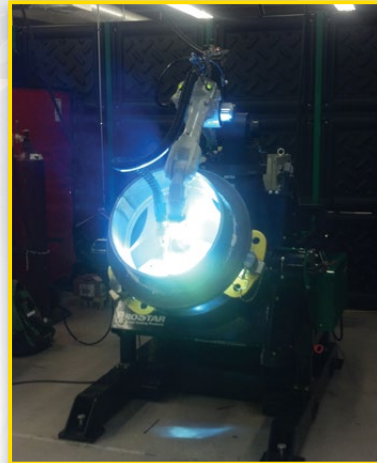


High precision aerospace GTAW+PAW welding manipulator with integrated servo positioner, used for welding of a variety of heat input sensitive turbine components. HMI interface, remote viewing camera and specialized Liburdi Automation welding system.

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.

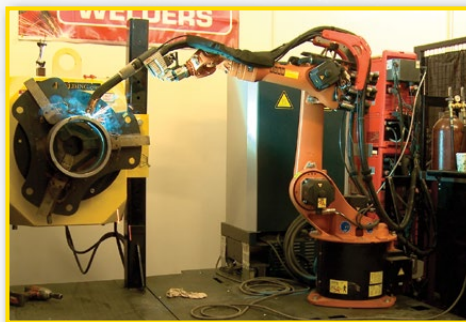
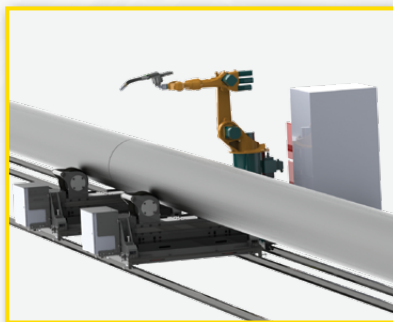
- ✓ Ideal for high-volume repetitive welding
- ✓ Fully integrated positioner, fixture, robot and welding package options
- ✓ Easy to use



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.

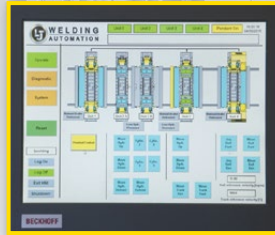
- ✓ Servo headstock for precise rotation speed
- ✓ Full alignment capabilities for roller supports for quick fit up of weld joint
- ✓ Robotic welding system automatically tracks seam for maximum productivity



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!

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



Wireless Pendants

- For multiple-axes control or complex functions



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.

