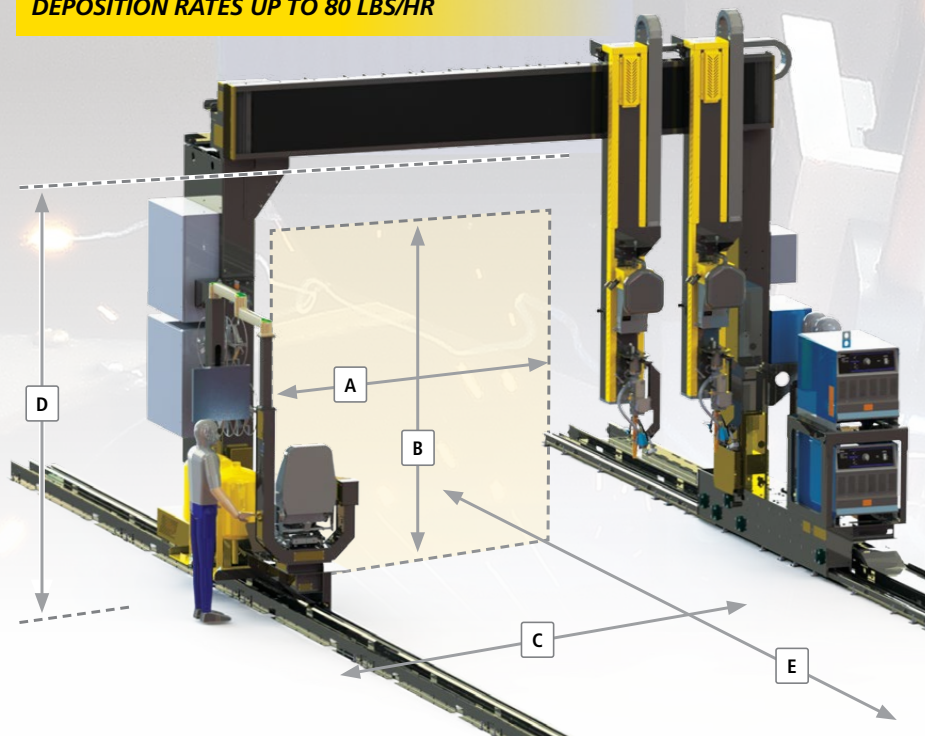


Gantry Beam Welding Systems

Gantry welding systems are used for longitudinal welding of long structural beams. Typically, two independent submerged arc welding systems are utilized to maximize productivity, complete with individual weld seam tracking, camera, and torch adjustability systems.

DEPOSITION RATES UP TO 80 LBS/HR



Dimensions A through E fully customizable

Easy to Customize

LJ Welding's gantry systems are used for longitudinal welding of long structural beams and are built to order for every customer. Welding gantry systems come complete with two welding heads, weld seam tracking, camera systems and torch adjustability.

CUSTOMIZE WORK AREA & FOOTPRINT

- ✓ Working area width/height (A/B)
- ✓ Overall gantry width/height/rail length (C/D/E)

CUSTOMIZE STANDARD FEATURES

- ✓ Dual 1,000A sub-arc typically set up in twin or tandem wire mode, sized to customer requirements
- ✓ Seam tracking system – choose mechanical (probe) or vision (laser)

SELECT OPTIONAL FEATURES

- ✓ Induction or flame preheat system
- ✓ MIG or CMT welding systems

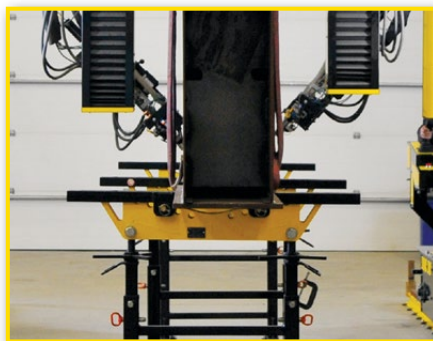
Typical Max. Deposition Rates*

	Single Weld Head	Dual Weld Head
Single Wire	Up to 25 lbs/hr	Up to 50 lbs/hr
Tandem Wire	Up to 40 lbs/hr	Up to 80 lbs/hr

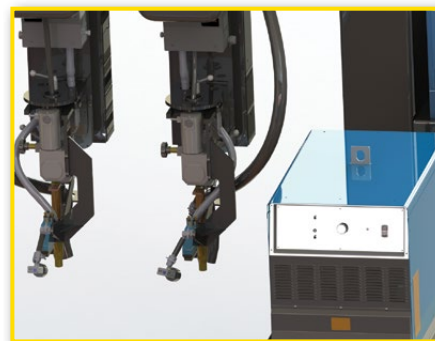
* Using 1,000 amp sub-arc power source.



Select HMI or custom control options, sub-arc or open arc camera systems, and probe or laser seam tracking systems.



Choose from a complete line of modular supports for structural steel, pipe and vessels up to 60 tons and more.



Specify onboard twin or tandem SAW, MIG or CMT configurations, flux delivery, recovery and heating systems.

Manipulator & Gantry Options

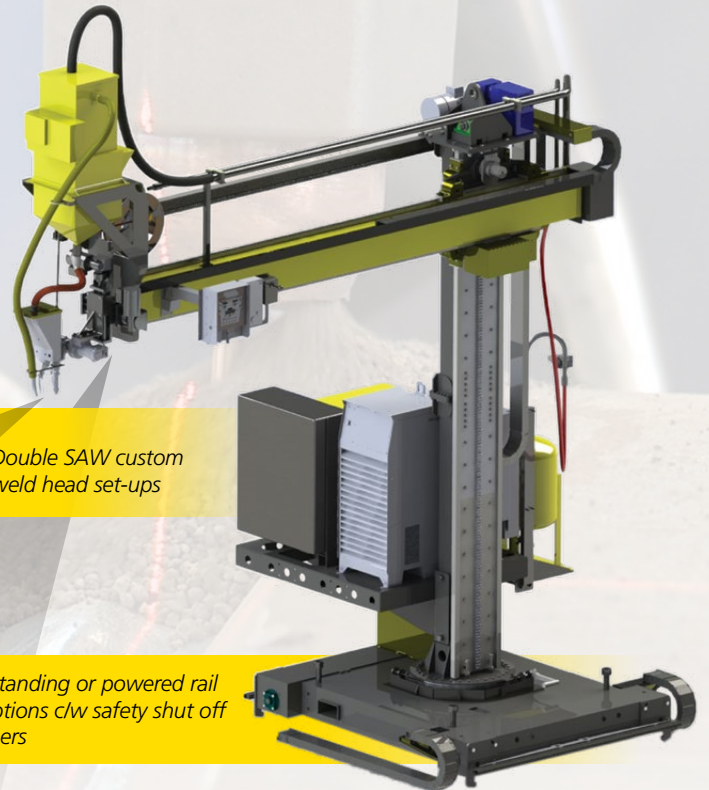


Camera Systems

Subarc or open arc options; allows for easier set up of weld torch and safer viewing for operator throughout the welding process.



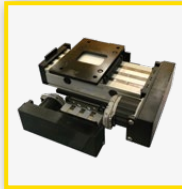
Double SAW custom weld head set-ups



Free standing or powered rail car options clw safety shut off bumpers

Seam Tracking

Seam tracking for fully automated welding processes complete with simple user interface. Laser (vision) or tactile (mechanical probe) style options available.



Powered Cross Slides & Joystick Controller

Standard 6" x 6" travel range and 200lb payload. Available with regular joystick, oscillation, or servo controls.



Control Options

Optional user-friendly HMI touch screens to control all functions, and integrate any of LJ's material handling solutions (rolls, positioners, etc).



Power Sources

LJ can integrate any welding process or power source, including submerged arc (SAW), MIG, or CMT processes.



Miller SubArc



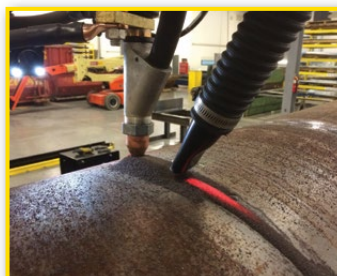
Lincoln SubArc



Fronius CMT



Optional fully integrated rolling induction heating systems.



For subarc applications, any combination of flux delivery and recovery systems.

