

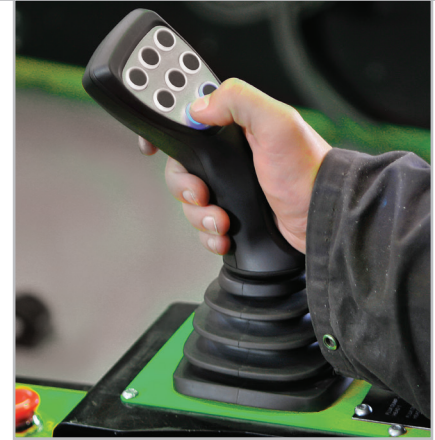
ProStar™ Gantry Welding Systems



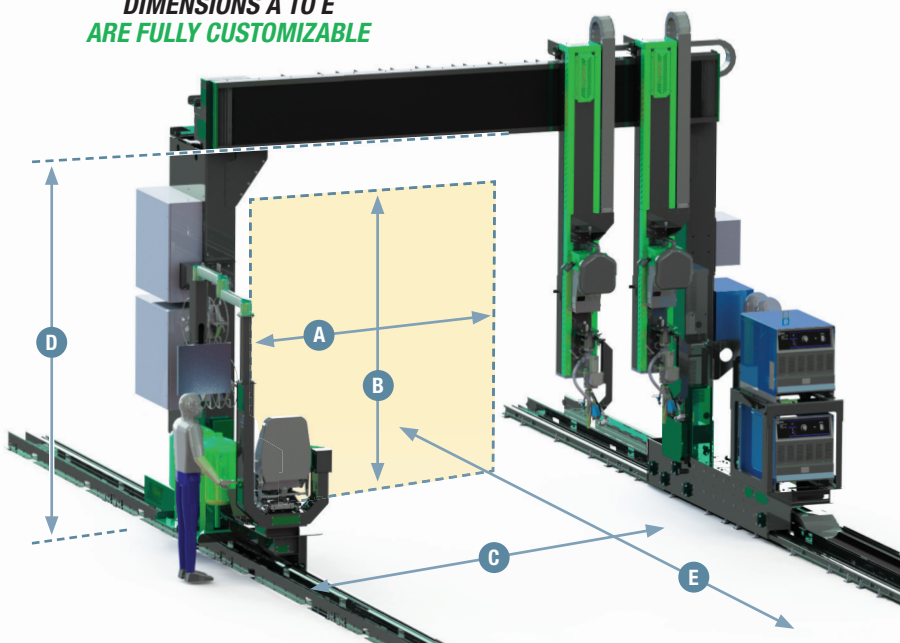
ProStar PRSGWS Custom Welding Gantry

Get a Grip on Productivity Demands

Extremely high-deposition ProStar GWS automated gantry systems are used for longitudinal welding of long structural beams, and built to order for each customer. All PRSGWS gantry systems come complete with two welding stations, weld-seam tracking, camera systems, and torch adjustability.



**DIMENSIONS A TO E
ARE FULLY CUSTOMIZABLE**



Simple to Customize

Customize Work Area & Footprint

- Work area width and height (A/B)
- Width, height, rail length (C/D/E)

Customize Standard Features

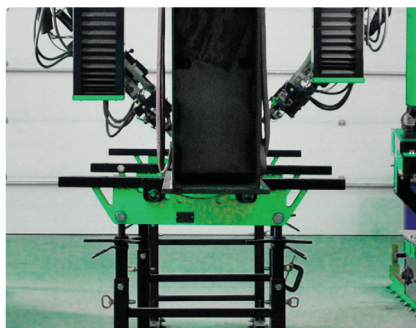
- Dual 1,000 A sub-arc typically set up in twin or tandem wire mode, sized to customer requirements
- Seam tracking system – choose mechanical (probe) or vision (laser)

Select Optional Features

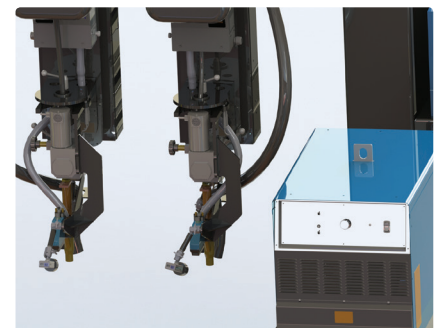
- Induction or flame preheat system
- GMAW, FCAW, or custom welding systems



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



- Choose from Praxair's 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*

Gantry Welding System

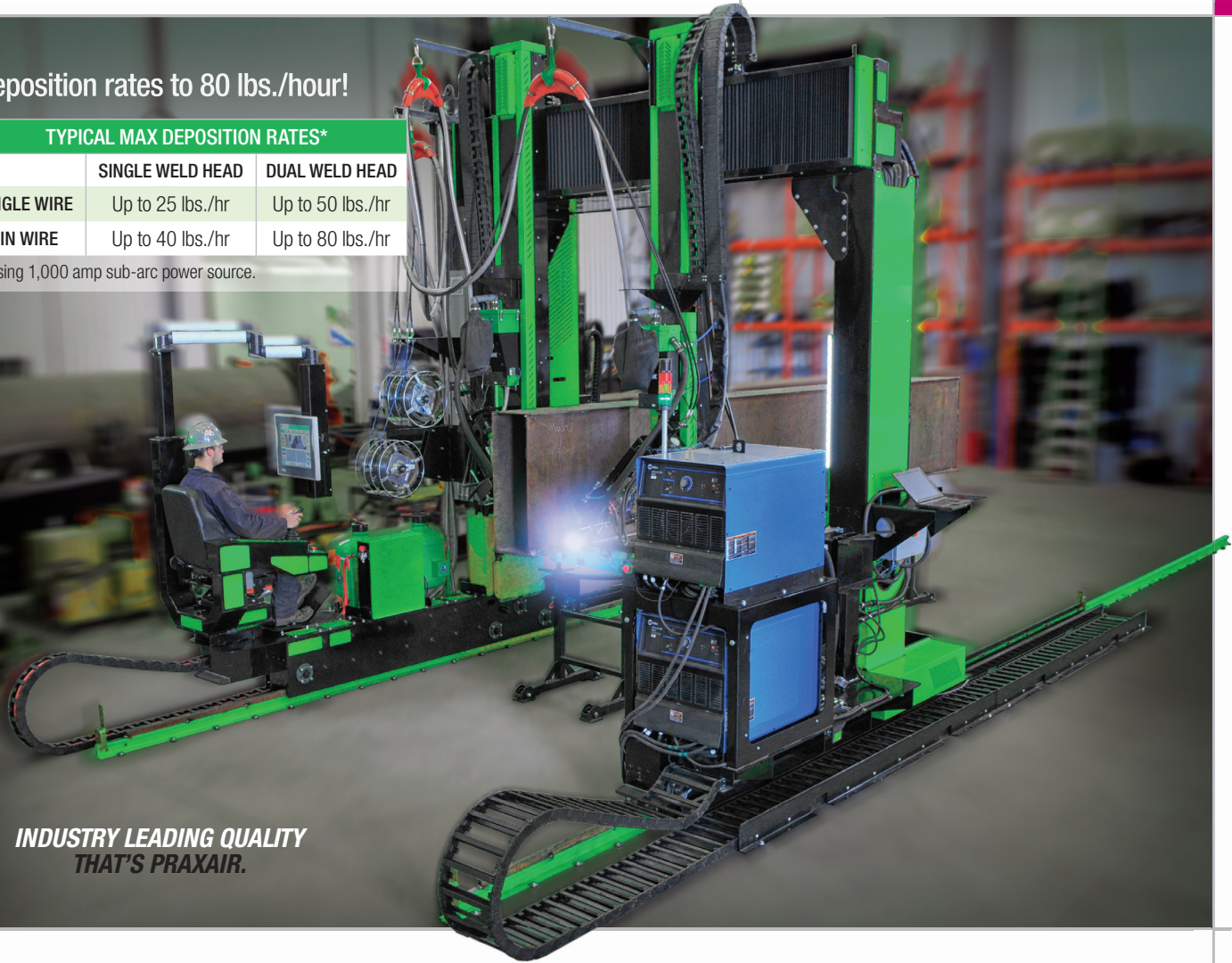
Praxair's productivity specialists can engineer a solution to meet your specific application.



Deposition rates to 80 lbs./hour!

TYPICAL MAX DEPOSITION RATES*		
	SINGLE WELD HEAD	DUAL WELD HEAD
SINGLE WIRE	Up to 25 lbs./hr	Up to 50 lbs./hr
TWIN WIRE	Up to 40 lbs./hr	Up to 80 lbs./hr

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



**INDUSTRY LEADING QUALITY
THAT'S PRAXAIR.**



SPECIFICATIONS	STANDARD CONFIGURATION	CUSTOMIZING OPTIONS*
WELDING STATIONS	1 or 2 (1,000 A SAW)	1 or 2 (MIG/CMT)
WELDMENT APERTURE	8 ft. wide x 7-1/2 ft. high	Custom (A,B)
OVERALL DIMENSIONS	12½ in. x 10 ft. 8 in. x 9 ft. 2 in. (W/H/D)	Custom (C,D,E)
DEPOSITION RATE	Up to 80 lbs./hr	
CONTROLS	HMI	Customer choice
SEAM TRACKING	Vision (laser)	Tactile (probe)
MAX TRAVEL SPEED	24-3/4 ft. / min	Up to 35 ft. / min
POWER REQUIREMENTS	240 V 1-Ph, 208V or 480 V 3-Ph	

Specifications may change. *Additional cost may apply; consult your Praxair representative when ordering.

Gantry Welding Systems Features & Available Options



ProStar welding gantries are built with the user in mind. An intuitive touchscreen HMI with aviator style joystick easily control all gantry functions. Set low to the floor, a moving, high-back operator's seat offers comfort and safe proximity to the work area.

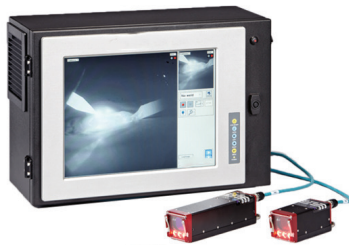
STANDARD FEATURES

- Dual 1,000 A submerged arc power sources typically set up in twin or tandem wire mode for maximum dual independent flux delivery, recovery and heating systems. Sized to customer requirements
- Servo controlled track drive system up to 35 ft. / min travel speed.
- Operator chair and HMI console
- Powered cross-slide system for fine tuning of welding head(s); up to 84 in. vertical and 12 in. horizontal travel
- Seam tracking – mechanical (probe) or vision (laser)
- Full-color weld camera systems with monitors and recording capabilities, laser pointer for easy setup, and visual seam tracking confirmation

Available Options

- Induction or flame preheat systems
- Onboard MIG welding systems for manual welding requirements

Camera Systems
Sub-Arc/Open Arc



HMI Touchscreen
Custom available.



Aviator-Style
Joystick Control

PRSGWS Standard Equipment



Sub-Arc Welders
MIG/CMT available



Gantry Welding System

Trust Praxair for the equipment you need
with the service and support you deserve.

**PRAXAIR**
Making our planet more productive

