

The AccuBilt

Mini Shuttle™

Mini in Size, BIG in Productivity!

The patented Mini-Shuttle™ by AccuBilt offers a complete “ready-to-weld” shuttle MIG welding system with an incredibly small footprint. Utilizing a compact ceiling mounted 6-axis robot, the usable work envelope is maximized, while minimizing the cell footprint to only 7' x 10'. Each cell features two 24" x 34" tables mounted to pneumatically driven shuttles with a 500 lb capacity for part flexibility. The Mini-Shuttle™ is an economical solution that delivers unmatched productivity with ZERO index time (when load time is less than weld time), making it more efficient than systems with turntables or indexers. Fully assembled and wired – simply set in place with a forklift, connect the input power and begin welding. A variety of customizations and tooling options are available.



Features & Benefits:

- Economical
- Small Footprint - 7' x 10'
- Unmatched Productivity - **ZERO** Index Time*
- Forklift Portable for Plant Mobility
- RIA Safety Standards Compliant
- Features a ceiling mounted, compact 6-axis robot
- Two 24" x 34" tables with 500 lb capacity offer part flexibility



Mini-Shuttle™ interior with tooling

Mini-Shuttle™ Advantages:

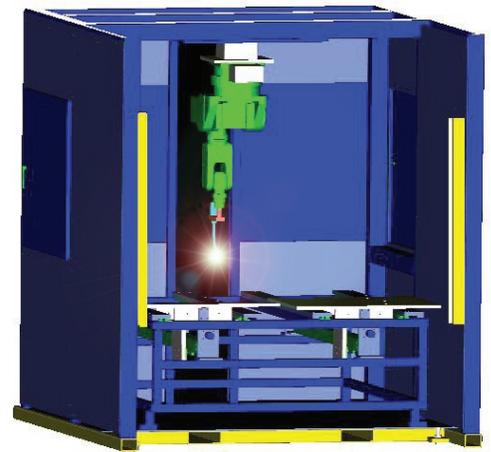
- Single load/unload area minimizes operator foot travel compared to fixed table designs
- **ZERO** index time*, unlike cells incorporating a turntable or indexer (>2.5 seconds per index)
- Fully assembled and wired, simply set in place with a forklift, connect the input power, and begin welding. Easy plug & play setup!

* When load time is less than weld time

Mini Shuttle™

Included With Each Mini-Shuttle™:

- 6-axis inverted MIG welding robot
- Welding power source and high speed wire feeder
- Four programming access doors – safety interlocked
- Two 24" X 34" tooling tables mounted to pneumatically driven shuttles
- Interior lighting to ease robot programming
- Tregaskiss air-cooled MIG torch
- Safety light curtains operated through double-redundant safety circuits (RIA compliant)
- Allen Bradley PLC (available customer-defined inputs & outputs, expandable)
- Allen Bradley PanelView operator interface
- Cell enclosed by hard guarding & UV-blocking weld curtains at load station



Mini-Shuttle™ 3D interior view
(front guard removed for clarity)

Available Options & Customizations:

- Custom designed tooling (manual or pneumatic clamping, part sensors, etc.)
- Controls package upgrades (custom PLC or PanelView)
- Several robot models available
- Other weld equipment and torch packages available

Call us to discuss your specific welding application (517) 787-WELD

Mini Shuttle™

Mini-Shuttle™ Schematics

