PRE-TEC

FASweld® 3

FLEXIBLE SOLUTIONS

PRE-TEC's line-up of FASweld® Standard Robotic Weld Cells are affordable, expandable, easy-to-use, and constructed of the highest quality industrial components. Each weld cell is pre-engineered, allowing for rapid delivery and installation time, while maintaining a small footprint with single-piece platforms.

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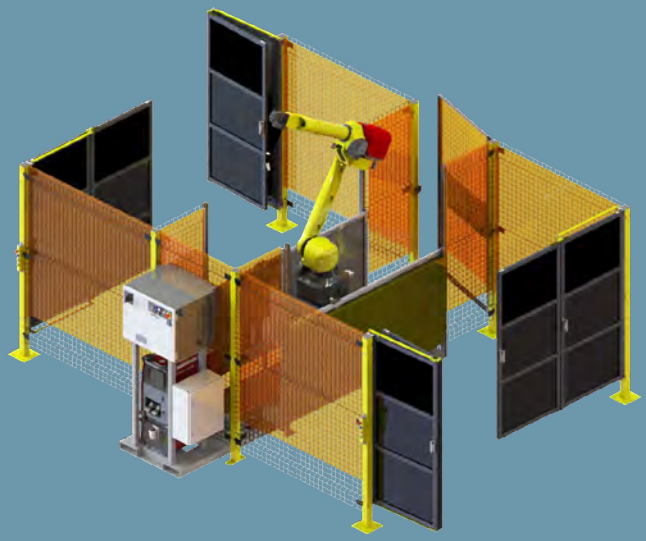
FLEXIBLE PLANNING

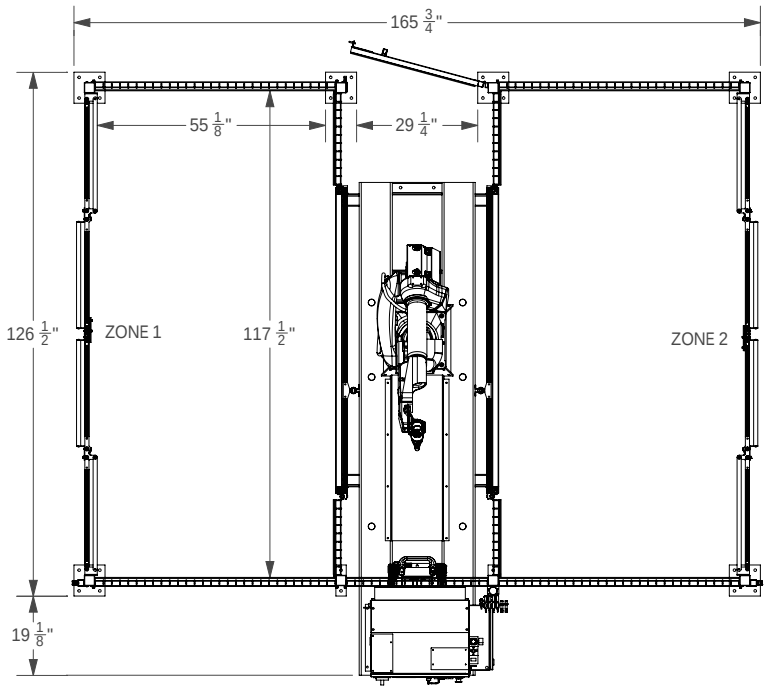
Featuring two large operating zones, the FASweld® 3 Dual Zone Versatile Cell can be configured for production using either flat tables, servo controlled headstock/tailstock combinations, or servo-controlled 2-axis positioners. Each zone can be configured as required and includes welding flash protection and integrated safety for operator protection.



FLEXIBLE DESIGN

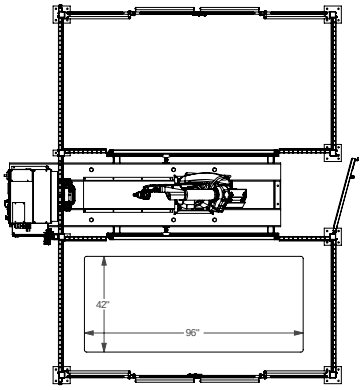
The FASweld® Standard Robotic Weld Cell has the robot, controls & the rigid flash safety gates mounted to a combined, central platform. This simplifies installation while still allowing it to be moved throughout your facility using a standard forklift.

All FASweld® systems are designed around industry-leading FANUC robots, known for their rugged design, excellent operator interface, and ergonomic teach pendant design with Haptic feedback. We've built customized web pages for system control requiring virtually no robot programming expertise to operate the system.

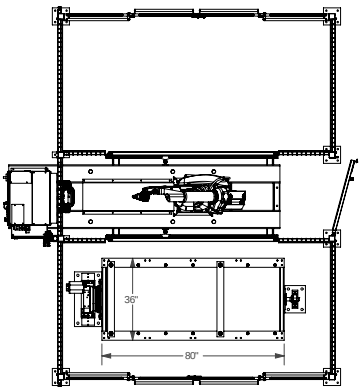


HEIGHT IS 72"

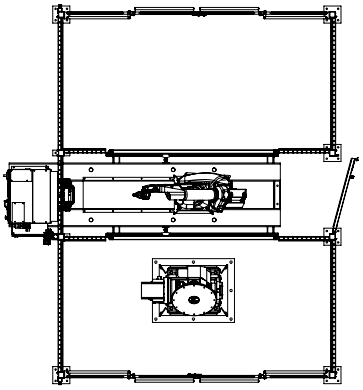
ESTIMATED MAIN CELL PLATFORM WEIGHT 1700 LBS



FLAT TABLE



SERVO HEADSTOCK/TAILSTOCK



SERVO TILT/TURN 2-AXIS

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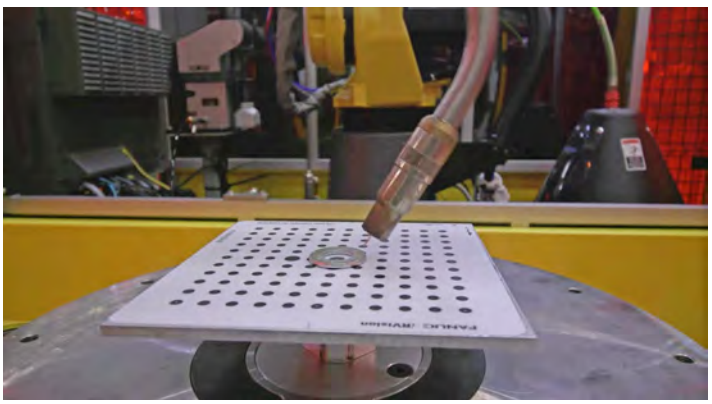
FLEXIBLE CAPACITY

The standard FASweld® 3 system uses a FANUC ARC MATE 100iD-8L 6-axis robot with a payload capacity of 8Kg and a reach of 2032mm. Also standard is a Lincoln Electric R450 Welding power supply & wire feeder. Other power supplies options are available if requested. Available welding zones choices include:

- Blank
- Flat table
- FANUC servo controlled Headstock/Tailstock (1000kg or 3000kg std)
- Standard FANUC 500kg 2-axis positioner
- Drop-Center



FLEXIBLE OPTIONS

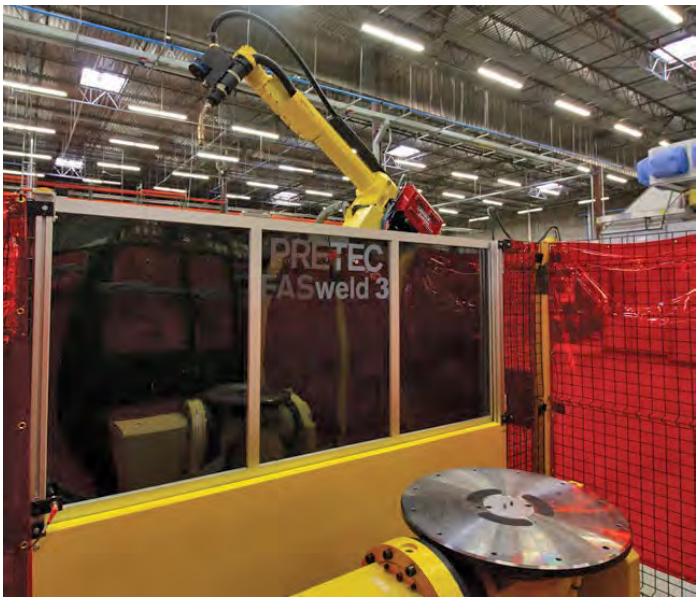
We offer a variety of add-on options for customized solutions:

- Upgrade to Water-Cooled Welding Hardware
- Shielding Gas Flow Sensor
- STT Module Coordinated Motion
- StableARC Torch Cleaning Station
- Wire Touch Sensing
- Thick Plate option (Touch & TAST)
- Aluminum MIG (FANUC SVT)
- TOPTIG package
- Laser Touch Sensing with enclosure
- FANUC iRVision 2D vision with enclosure
- WeldPRO Software & Native CAD converter (PC)
- Torch Alignment Jig
- 15" Industrial touch screen PC with Ignition controls

See FASweld® in action

FLEXIBLE
INTEGRATION

PRE-TEC is committed to easy-to-use and easy-to-move automated solutions. To ensure this we focus on standard components for shorter lead times; reach analysis and cycle time validation; tool design and build integration; along with process development and programing. Our expert team of application engineers develops a weld cell configuration that best fits your process, integrating the best solutions to increase your throughput, quality, and consistency.

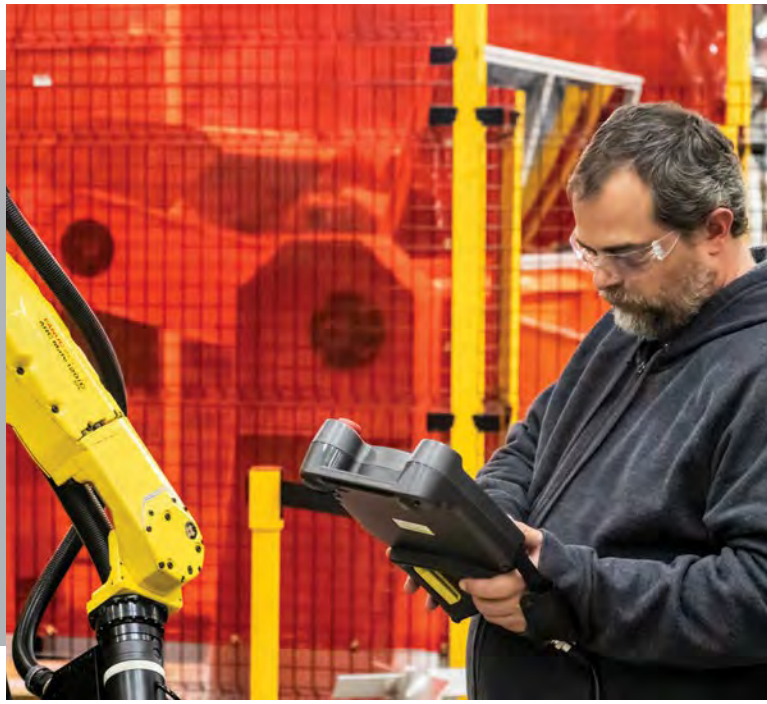


FLEXIBLE
VARIATIONS

Built with flexibility and modularity, FASweld® 3 systems are easy to install and completely customizable as needs change. Parts too large? A solution might be a larger robot, or a robot on track, or multiple robot arms. Need shorter cycle times? Custom positioner? Larger welder? Combining processes? We'll figure it out. **Give us a call.**

FLEXIBLE
SOLUTIONS & SUPPORT

PRE-TEC has a well-trained, experienced group of robotics technicians. We offer support in training, programming, spare parts, and maintenance. When you choose PRE-TEC, you are choosing nationally-recognized customer support & service with a customer-centered philosophy in designing and training.



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