



RIICE
AUTOMATION.COM

**Welding
Automation**
SOLUTIONS

www.riceautomation.com

Trusted By **The Best**

Over 10 Years of Expertise in Building Automated Solutions for Any Industry

The Rice Automation Advantage

Rice Automation brings over a decade of experience in guiding manufacturers—ranging from small startups to top-tier automotive OEMs—on their automation journey. Whether you're just beginning or scaling, our solutions ensure seamless transitions into automation.

Our work cells feature refurbished or new industrial robots, offering turnkey automation that is both cost-effective and high-performance. By repurposing equipment, we deliver sustainable solutions that extend the usable life of robotics, helping both new and established manufacturers streamline their operations while reducing environmental impact.

Why Automate?

In a fast-paced industrial landscape, staying ahead of the curve is essential. Automation isn't just a trend—it's a competitive necessity. By automating your processes, you unlock consistent production quality, increased output, and the ability to scale with market demand. Automation reduces human error and downtime, allowing your operation to run smoothly 24/7, ensuring you meet customer demands on time, every time.

Moreover, automation is key to optimizing your workforce. Instead of struggling to find skilled labor or overextending your current team, robotics take on repetitive and high-precision tasks, allowing your staff to focus on more strategic roles that drive innovation and growth. Whether you're facing supply chain challenges or looking to improve production efficiency, automation ensures your business remains agile and future-ready.

Why Choose FANUC Robotics?

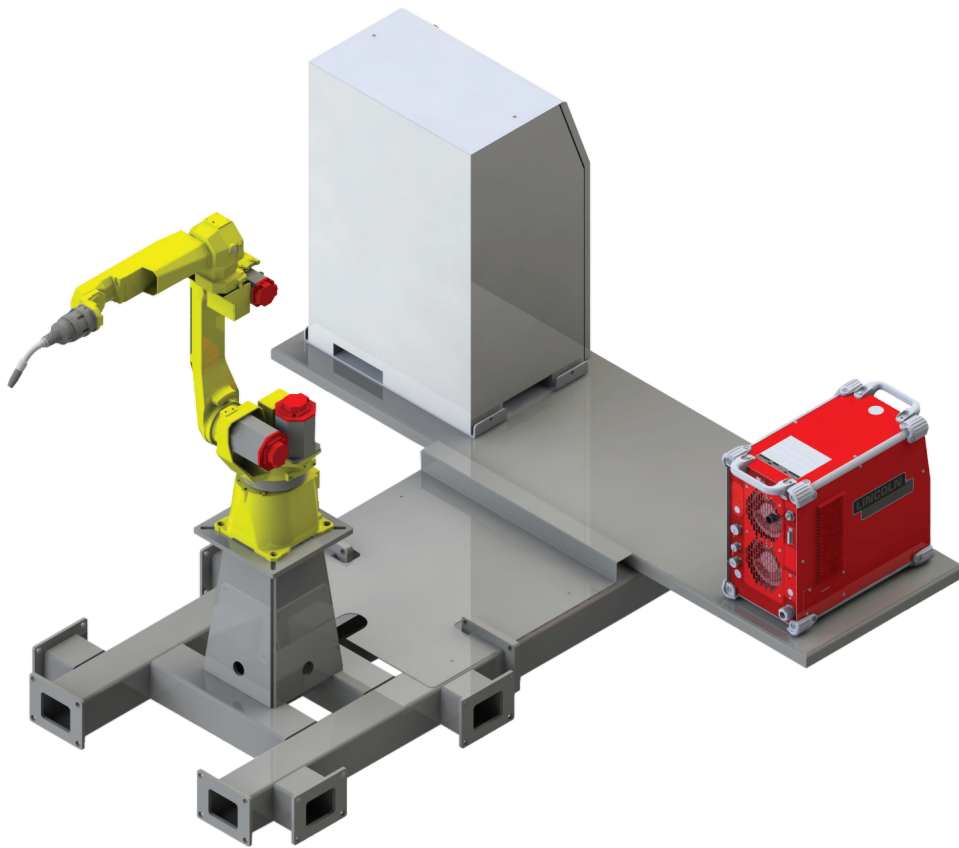
FANUC Robotics is the global leader in robotics, and for good reason. As the most advanced choice on the market, FANUC robots offer unmatched precision, reliability, and innovation. Their industry-leading technology is designed to handle complex tasks with ease, providing the flexibility to adapt to any production need.

With FANUC, you're not just investing in automation; you're choosing the best. Their robots come equipped with cutting-edge features, comprehensive support, and a proven track record of boosting efficiency and reducing downtime. This makes FANUC the ideal partner for companies looking to future-proof their automation efforts.

Starter **Stand**

Starter Stand Ready to Weld and Remote Operator

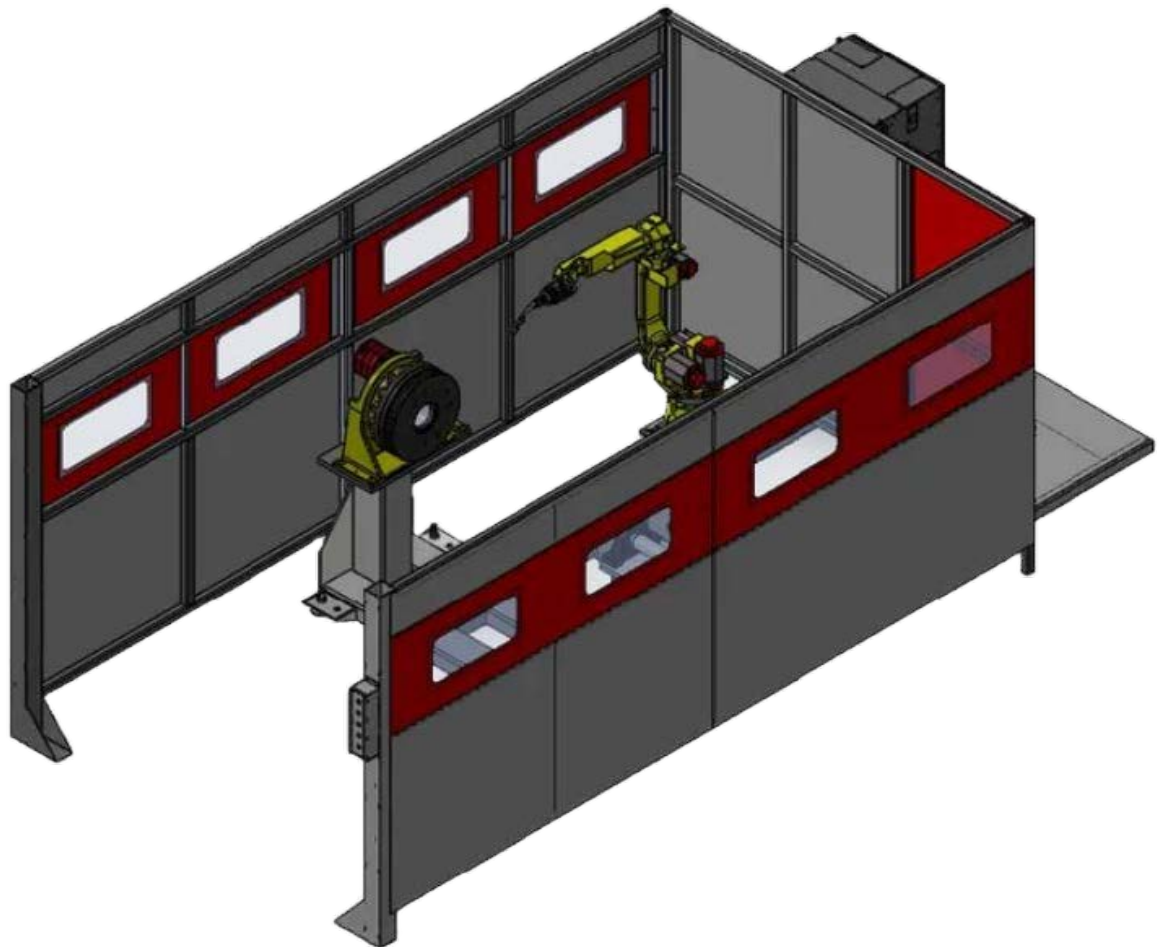
- Heavy duty tube construction
- Machinery feet with anchor points
- Controller, welder, and robot on a compact portable skid
- All cabling ran in protected tray with cover
- Connection plates on front to join with any welding table
- Designed for a DIY robotic welding cell project
- 100% ready to weld after installation



Single Zone Weld Cell

Single Zone Weld Cell

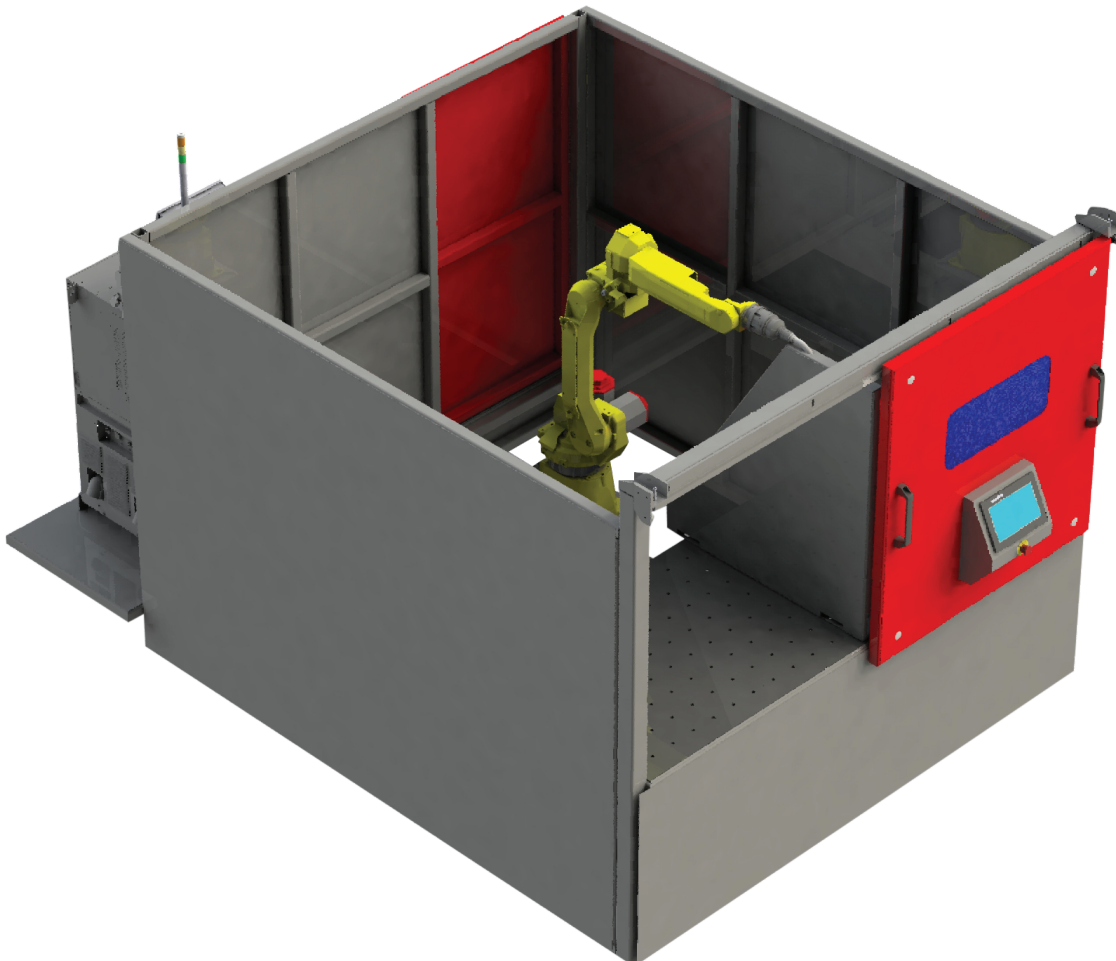
- Single opening design
- Heavy tubular frame
- Modular bolt together cell mainframe
- Machinery floor mounts with 4" level able foot
- Anchor points directly by leveling feet
- 3" tubular fixture table 1/4" top 36"x89"
- 4"x4" hole pattern CNC precision drilled in table
- 79" tall solid steel two tone walls
- Robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All power cables, ground cables, and wiring routed in wire tray
- All wiring protected with wire tray covers
- Personnel door on safety interlock for robot maintenance
- Requires minimal floor space



Dual Zone Slide Front Door Work Cell

DZSR-SD

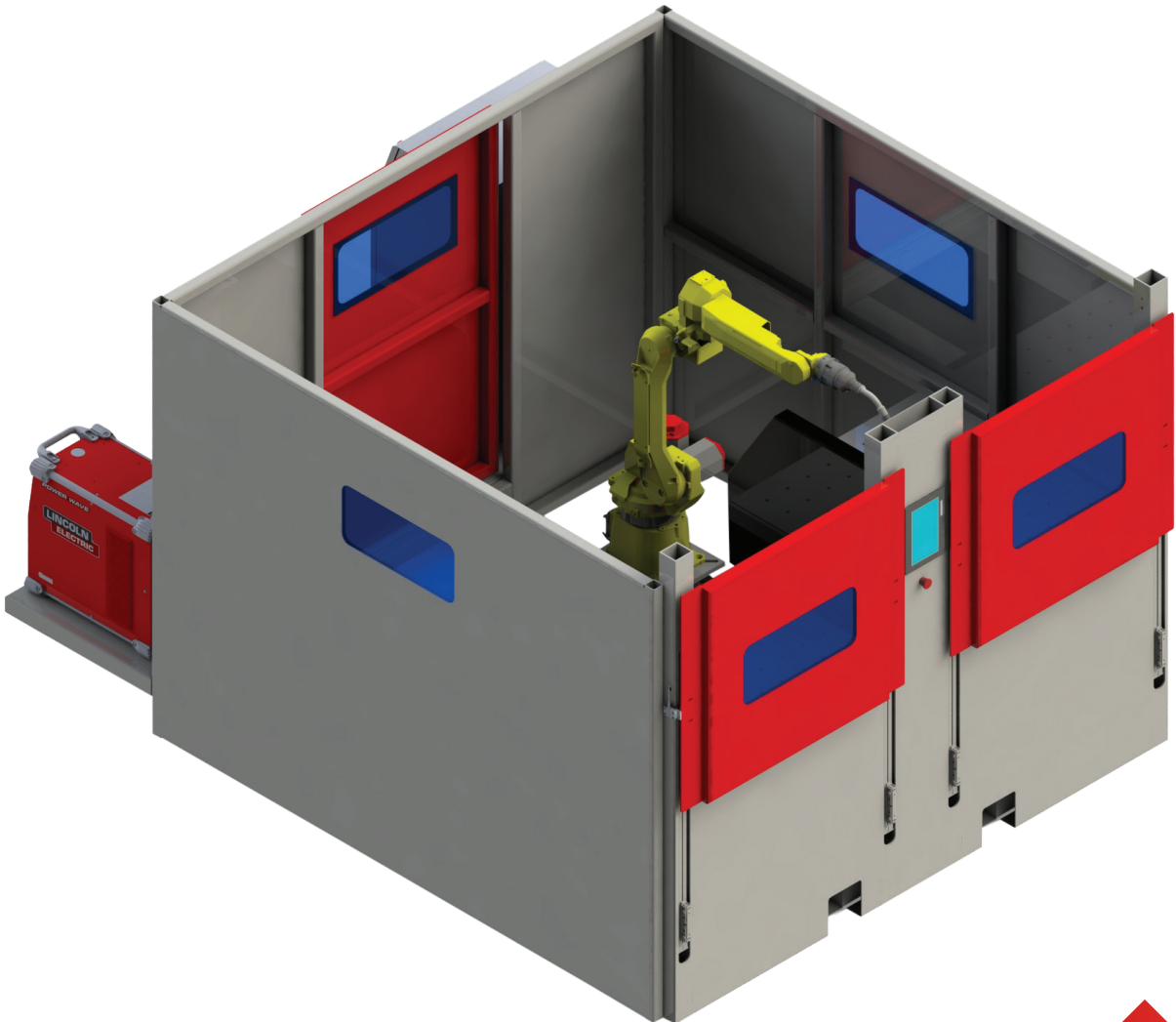
- Single opening design
- Manual sliding front door allows for simultaneous weld, load, and unload of parts
- Heavy tubular frame
- Modular bolt together cell mainframe
- Machinery floor mounts with 4" leveling feet
- Anchor points directly by leveling feet.
- 3" tubular fixture table 1/4" top 36x89"
- 4x4" hole pattern CNC precision drilled in table
- 79" tall solid steel two tone walls
- robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All cables and wiring routed in wire tray
- All wiring protected with wire tray covers.
- Personnel door on safety interlock for robot maintenance.
- Requires minimal floor space.
- Small to medium part envelope



Dual Zone Single Side Work Cell

DZSF-PD

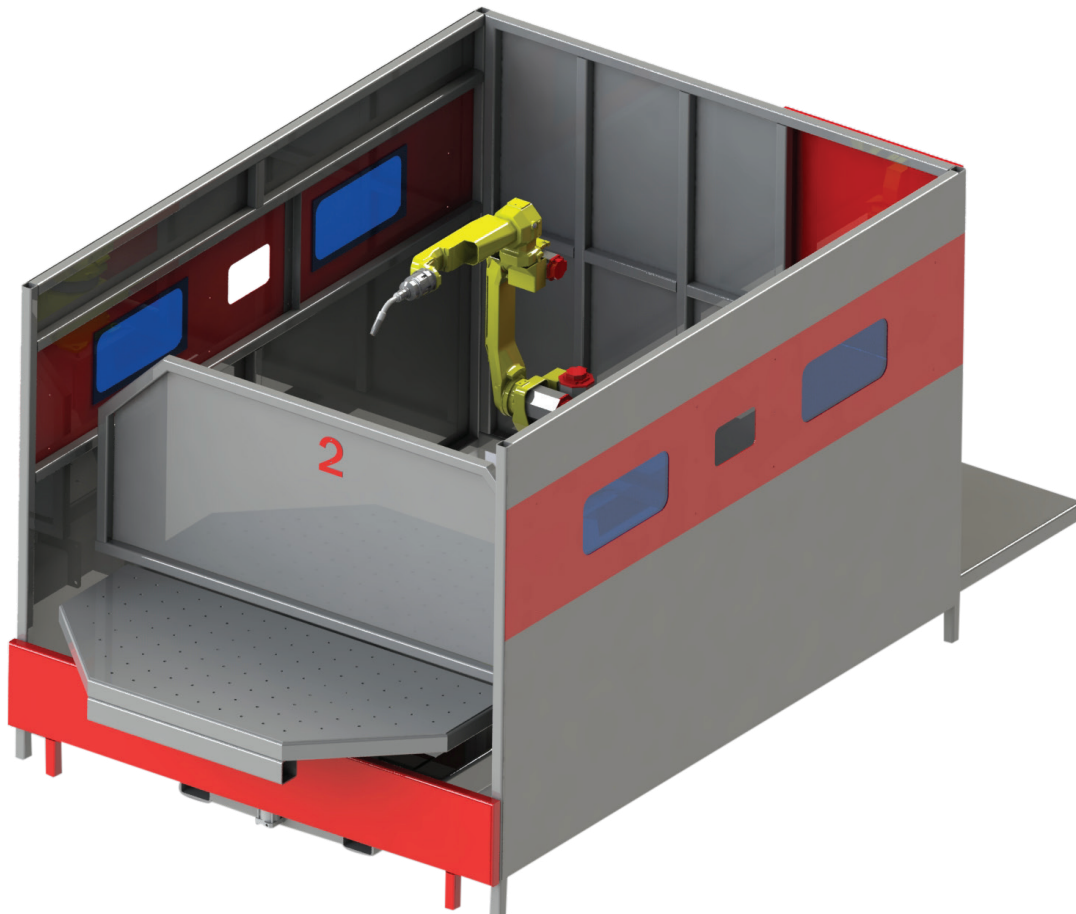
- Allows for simultaneous weld, load, and unload of parts
- Dual workstation with pneumatic doors integrated into safety system
- Heavy tubular frame
- Modular bolt together cell mainframe
- Machinery floor mounts with 4" leveling feet
- Anchor points directly by leveling feet
- 3" tubular fixture table with divider 1/4" top 36x89"
- 4x4" CNC precision hole pattern in table
- 79" tall solid steel two tone walls
- robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All cables and wiring routed in wire tray
- All wiring protected with wire tray covers
- Personnel door on safety interlock for robot maintenance
- Requires minimal floor space.
- Small to medium part envelope



Dual Zone Manual Turn Table Work Cell

DZMTT

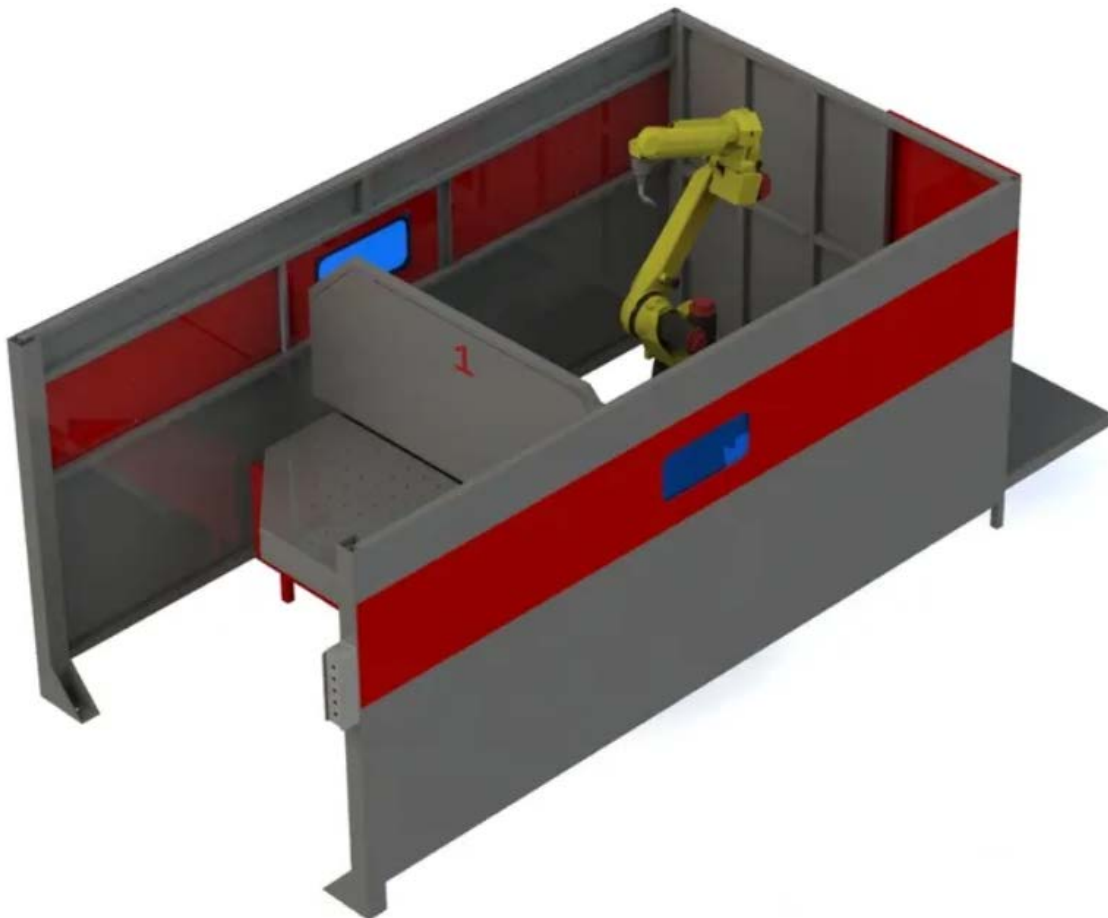
- Dual zone robotic welding cell
- Manual turn table with air pin locking shot pin
- 100% duty cycle load while robot is working
- Heavy tubular frame
- Modular bolt together cell mainframe
- Machinery floor mounts with 4" leveling feet
- Anchor points directly by leveling feet
- Dual 3" tubular fixture table 1/4" top 35x72" cut corner for octagon shape
- 32" tall steel table divider
- 4"x4" CNC precision hole pattern in table
- 79" tall solid steel two tone walls
- Robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All cables, and wiring routed in wire tray
- All wiring protected with wire tray covers
- Sliding rear door on safety interlock for robot maintenance
- Requires minimal floor space



Dual Zone Servo Drive Turn Table Work Cell

DZSTT

- Dual zone robotic welding cell
- Servo driven turn table
- Servo integrated into robot controller
- 100% duty cycle load while robot is working
- Heavy tubular frame
- Modular bolt together cell mainframe
- Machinery floor mounts with 4" leveling feet
- Anchor points directly by leveling feet
- Dual 3" tubular fixture table 1/4" top 35"x72" cut corner for octagon shape
- 32" tall steel table divider
- 4"x4" CNC precision hole pattern in table
- 79" tall solid steel two tone walls
- Robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All cables, and wiring routed in wire tray
- All wiring protected with wire tray covers
- Sliding rear door on safety interlock for robot maintenance
- Requires minimal floor space



Dual Zone Pallet Work Cell

DZPLT

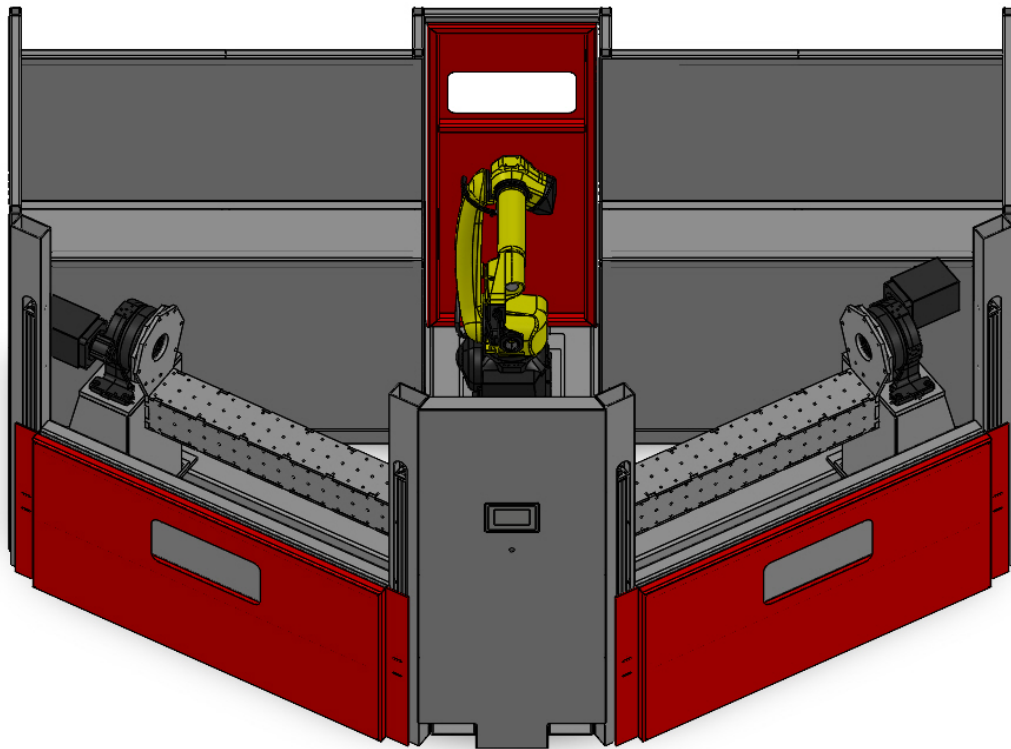
- Dual opening design
- Heavy tubular frame
- Modular bolt together cell mainframe
- Machinery floor mounts with 4" leveling feet
- Anchor points directly by leveling feet
- Dual 3" tubular fixture table 1/4" top
- Steel table divider
- 4"x4" CNC precision hole pattern in table
- Dual Work Tables
- Zoned Safety System
- 79" tall solid steel walls
- Robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All cables, and wiring routed in wire tray
- All wiring protected with wire tray covers
- Sliding side door on safety interlock for robot maintenance
- Requires minimal floor space
- Dual Pneumatic Door Integrated into safety system



Dual Zone Angled Work Cell

DZ-ANG

- Allows for simultaneous weld, load, and unload of parts.
- Dual workstation with pneumatic doors integrated into safety system
- Heavy tubular frame.
- Modular bolt together cell mainframe.
- Machinery floor mounts with 4" leveling feet
- Anchor points directly by leveling feet
- 2-3" tubular steel fixture table 1/4" top 30x60"
- 4x4" CNC precision hole pattern in table
- 79" tall solid steel two tone walls
- robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All cables and wiring routed in wire tray
- All wiring protected with wire tray covers
- Personnel door on safety interlock for robot maintenance
- Requires minimal floor space
- Small to medium part envelope

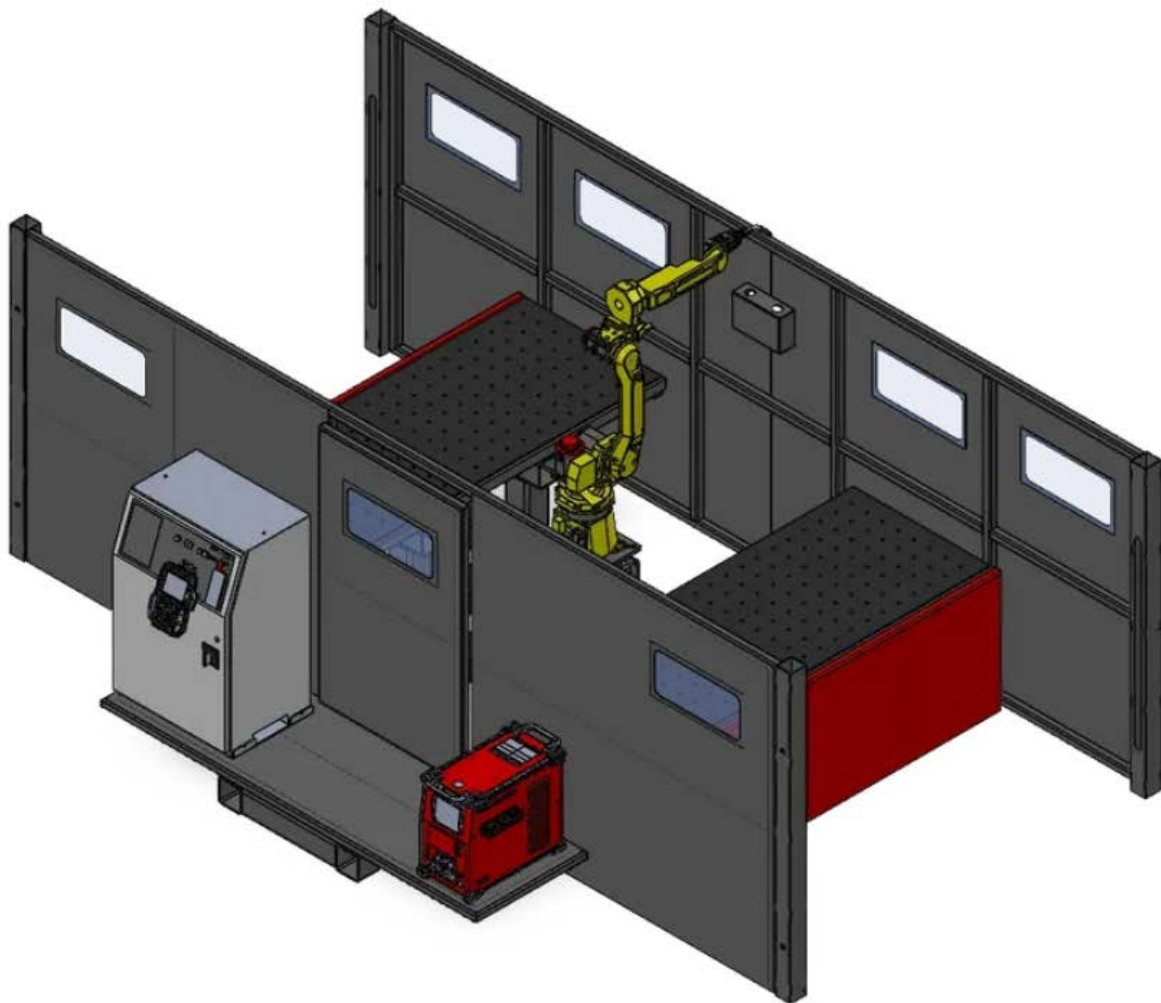


Shown with Optional Dual Headstock/Tail Stocks & Drop Centers

Dual Zone Tables Work Cell

DZSR-DET

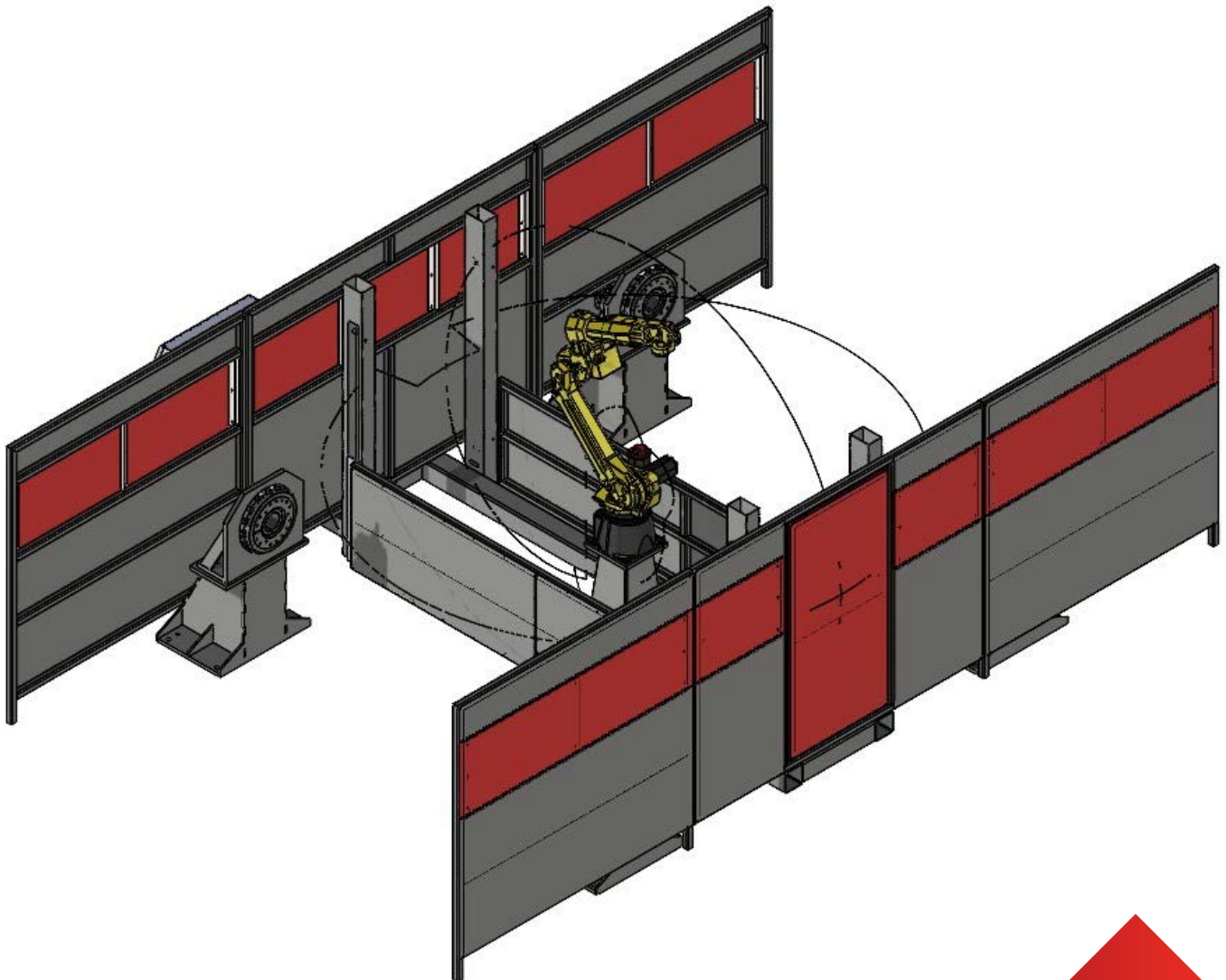
- Dual opening design
- Heavy tubular frame and modular bolt together cell mainframe
- Machinery floor mounts with 4" leveling feet
- Anchor points directly by leveling feet
- Dual 3" tubular fixture table 1/4" top 36x89"
- 4"x4" hole pattern CNC precision drilled in table
- 79" tall solid steel two tone walls
- Dual safety light curtain integrated into controller
- Zoned safety system
- Robot controller and welder mounted on rear for easy movement
- All components wired to safety disconnect
- All cables, and wiring routed in wire tray
- All wiring protected with wire tray covers
- Sliding rear door on safety interlock for robot maintenance
- One solid wall welded to base and one bolt on standing wall
- Requires minimal floor space



Dual Zone Dual HSTS Work Cell

DZSR-DT

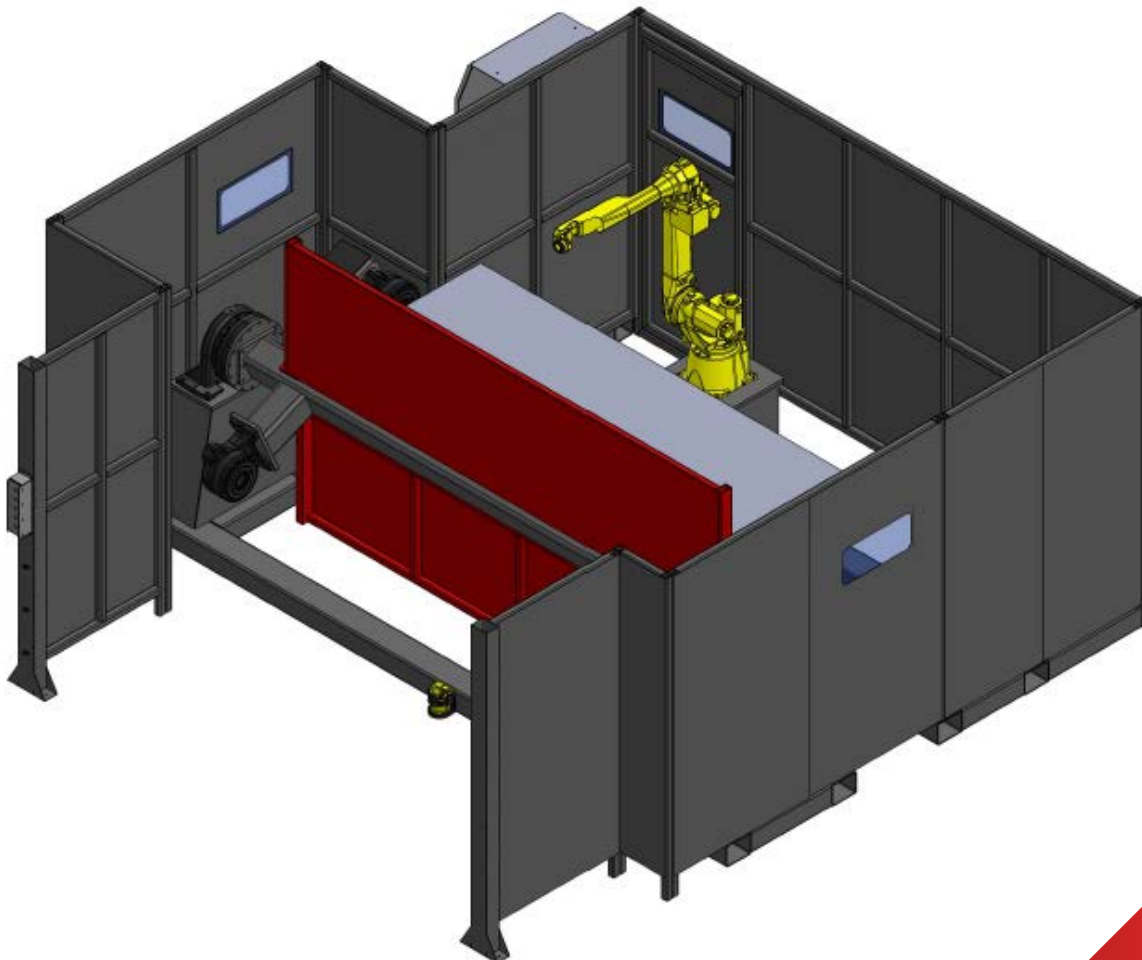
- Dual opening design
- 2 head stock tail stock units
- Heavy tubular frame modular bolt together cell mainframe
- Machinery floor mounts with 4" level able foot
- Anchor points directly by leveling feet
- 79" tall solid steel two tone walls
- Dual area scanners integrated into controller
- Zoned safety system
- Robot controller and welder mounted on side for easy movement
- All components wired to safety disconnect
- All power cables, ground cables, and wiring routed in wire tray
- All wiring protected with wire tray covers
- Personnel door on safety interlock for robot maintenance
- Large part envelope
- 1 to 2 robots available in cell



Ferris Wheel Work Cell

FW-1

- Ferris Wheel Cell
- Dual Head Stock Design
- Main Turn Axis Servo Drive integrated into robot system
- 500 Kg Capacity Per Head Stock
- Modular Bolt Together Weldment Design
- Solid Steel Two Tone Walls with tinted viewing windows
- Standard 120" Width between headstocks (Customer Spec Available)
- 43" Head Stock Rotational Span
- Nabtesco Gearing on all External Axis
- All External Axis equipped with Hollow bore to all pass through or cabling/ect.
- Dual Area Sensor for safety detection while in operation
- All Safety sensors integrated into Safety Rated PLC
- Robotic System to Monitor joint/speed position of all external axis. (Main Turn & Headstocks)
- Personnel Door on safety interlock
- All Input Electrical wired to safety disconnect
- All Cabling routed and protected in wire trays with covers
- Arc Shield on main turning axis
- 4" Steel Leveling feet
- Allen Bradley Safety PLC
- Allen Bradley HMI
- Detached Jog (Jog non working axis for load/unload with push button)



Positioning Equipment

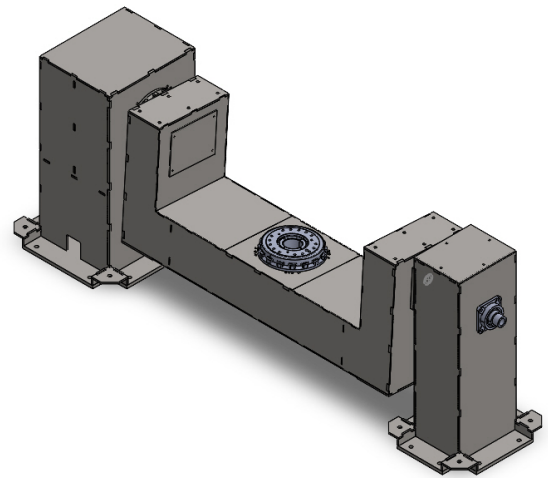
Advanced Robotic Positioning Equipment

Rice Automation offers high-performance robotic positioning solutions to enhance your automated systems. Our headstock/tailstock units, dual-axis positioners, RTUs (robot transfer units), tracks, and custom positioning equipment deliver precision and flexibility. Whether you need standard setups or custom solutions, our equipment ensures your robots operate efficiently and accurately, optimizing your production workflow.

Headstock/Tail Stock



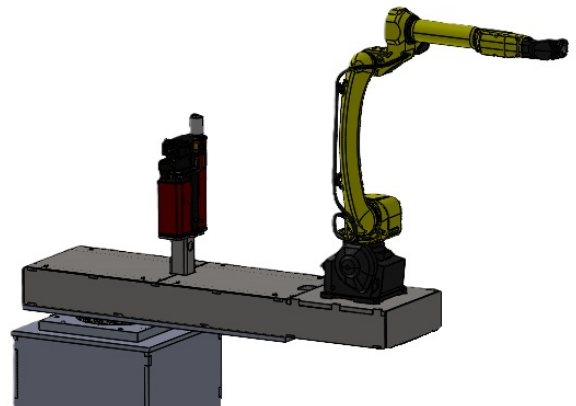
Dual Axis Positioner



Robot RTU (Track)



Robot Indexer

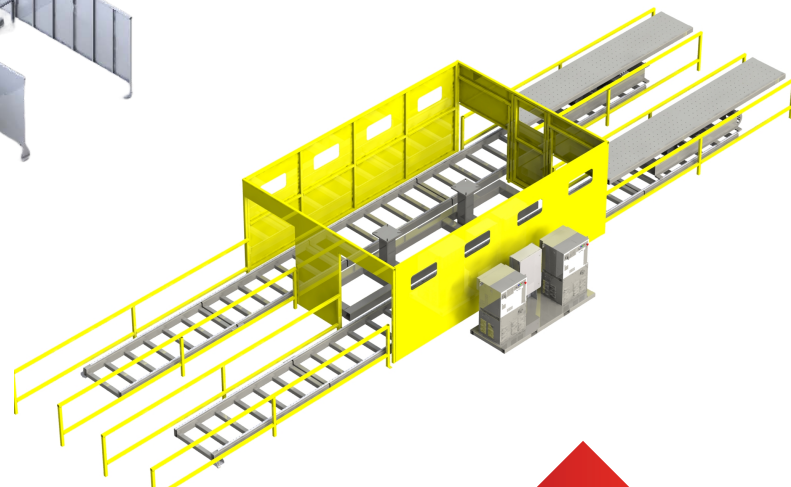
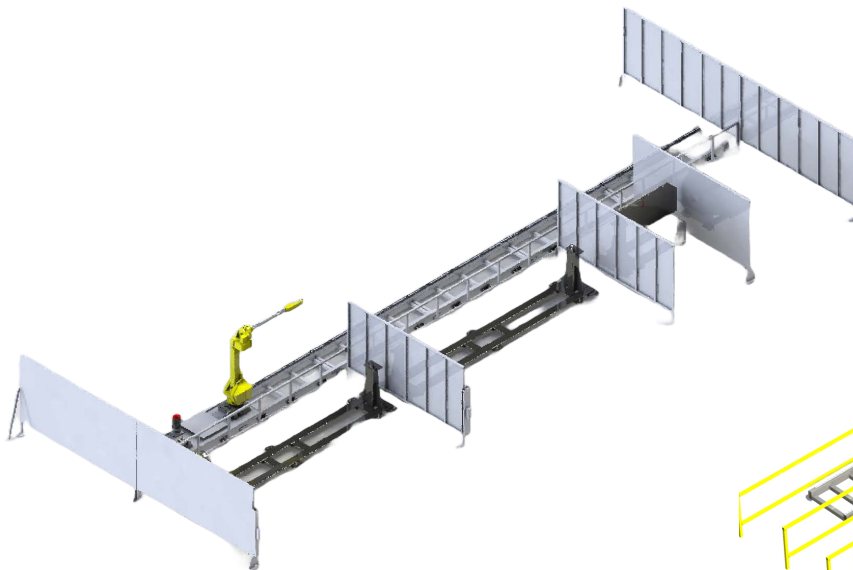
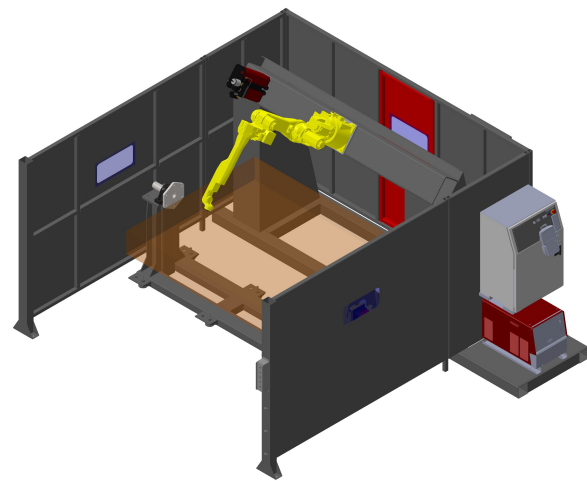
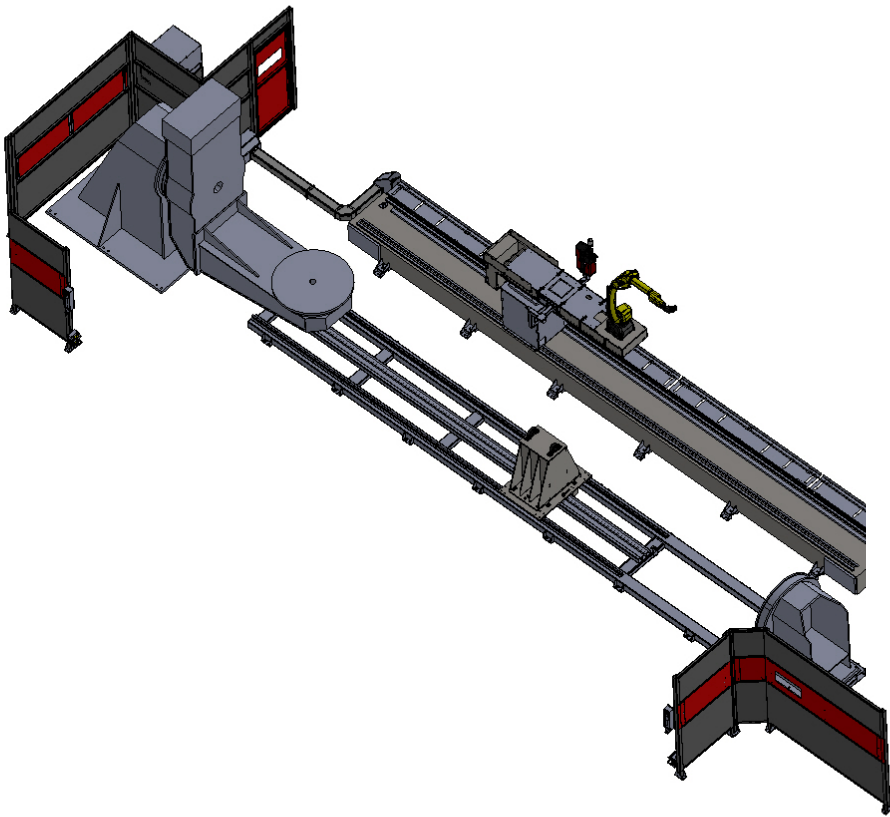


Custom Solutions

Custom Automation Solutions Tailored to Your Needs

At Rice Automation, we know that every manufacturing operation is different. That's why we offer custom automation solutions designed to fit your unique needs. Whether it's automating a specific process or an entire production line, we work closely with you to create a solution that meets your goals and budget.

From design to integration, we ensure that your system is fully optimized for efficiency and adaptability, seamlessly enhancing your current operations and setting you up for long-term success.



Getting **Started**

How to Start Automating

Ready to boost the efficiency and capacity of your welding applications? Contact Rice Automation today to explore tailored automation solutions designed specifically for your needs. Whether you're looking to streamline a single process or automate an entire production line, our team of experts is here to guide you through every step of the automation journey.

From initial consultation to system design, installation, and ongoing support, we'll ensure a smooth and successful transition to automation. We also offer onsite installation and training to ensure the solution fits your exact operational needs and that your team is fully equipped to operate the new system with confidence. Partner with Rice Automation to increase throughput, reduce costs, and stay competitive in today's fast-paced manufacturing landscape.

Contact Information



Website

www.riceautomation.com



Headquarters

166 Hwy V
Harviell, MO 63945



Phone

(877) 855-7020