



CUSTOM ROBOTICS SOLUTIONS

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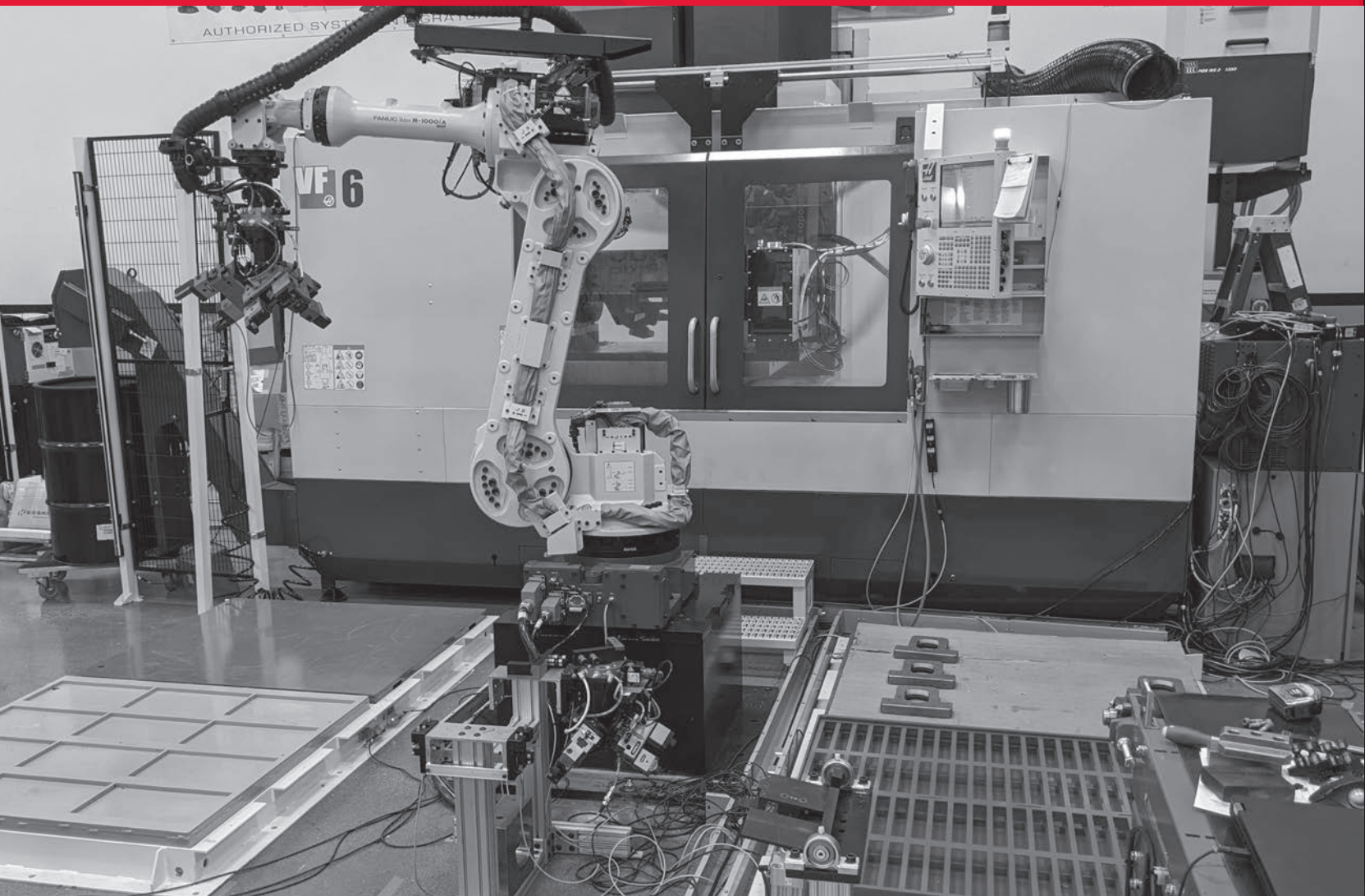
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With over 900 systems installed and counting, RoboFlex stands at the forefront of automation integration, leading the industry as a pioneer in innovative solutions. Our extensive experience and proven track record make us the first choice for companies seeking to revolutionize their manufacturing processes.

Automation transcends the simple addition of robotic systems; it requires a comprehensive analysis of your entire manufacturing operation to create a tailored solution that meets your specific needs. Whether it's load/unload operations, part handling, assembly, inspection, or multi-machine changeovers, our team of highly skilled and specialized robotic automation engineers is dedicated to optimizing and streamlining your production workflow.

By partnering with RoboFlex, you leverage over 25 years of industry expertise and our unwavering commitment to your company's growth. Our experienced engineering team is focused on developing the most advanced and efficient automation processes, ensuring that your adoption of cutting-edge robotics not only enhances productivity but also secures your competitive advantage in the marketplace.



OF EXPERIENCE



SYSTEMS
INSTALLED



DEDICATED AUTOMATION
INTEGRATION EXPERTS



IN CNC AUTOMATION
INTEGRATION

BENEFITS OF AUTOMATION

Automation provides companies with substantial operational benefits, primarily through enhanced efficiency, precision, and scalability. By automating repetitive tasks, companies can significantly reduce human error, leading to consistent product quality and increased production speed. This consistency allows for more reliable scheduling and the ability to meet tight deadlines with precision.

In addition to operational improvements, automation provides companies with the flexibility to quickly adapt to changing demands and scale production efficiently. This adaptability is crucial for maintaining a competitive edge in fast-paced industries. Moreover, automation contributes to cost savings by optimizing energy use, reducing waste, and improving resource efficiency. Ultimately, these benefits position companies to thrive in a dynamic market environment. Ready to reap these benefits? Let's discuss your automation needs. Visit roboflex.productivity.com



OUR SOLUTIONS

FLEX™ PLUG-N-PLAY ROBOTIC SYSTEMS

At RoboFlex, we understand that not every automation challenge requires a fully custom solution. That's why we've developed our FLEX line of pre-engineered automation packages - designed to provide the benefits of robotic integration, with a streamlined implementation process and a more accessible price point.

By leveraging our decades of automation expertise, the FLEX™ line empowers manufacturers of all sizes to unlock the power of robotics and transform their production processes. Explore how our FLEX™ solutions can streamline your processes.

FLEX™

EP-C

ECONOMY PACKAGE COBOT COLLABORATIVE, MOBILE PART PICK-AND-PLACE

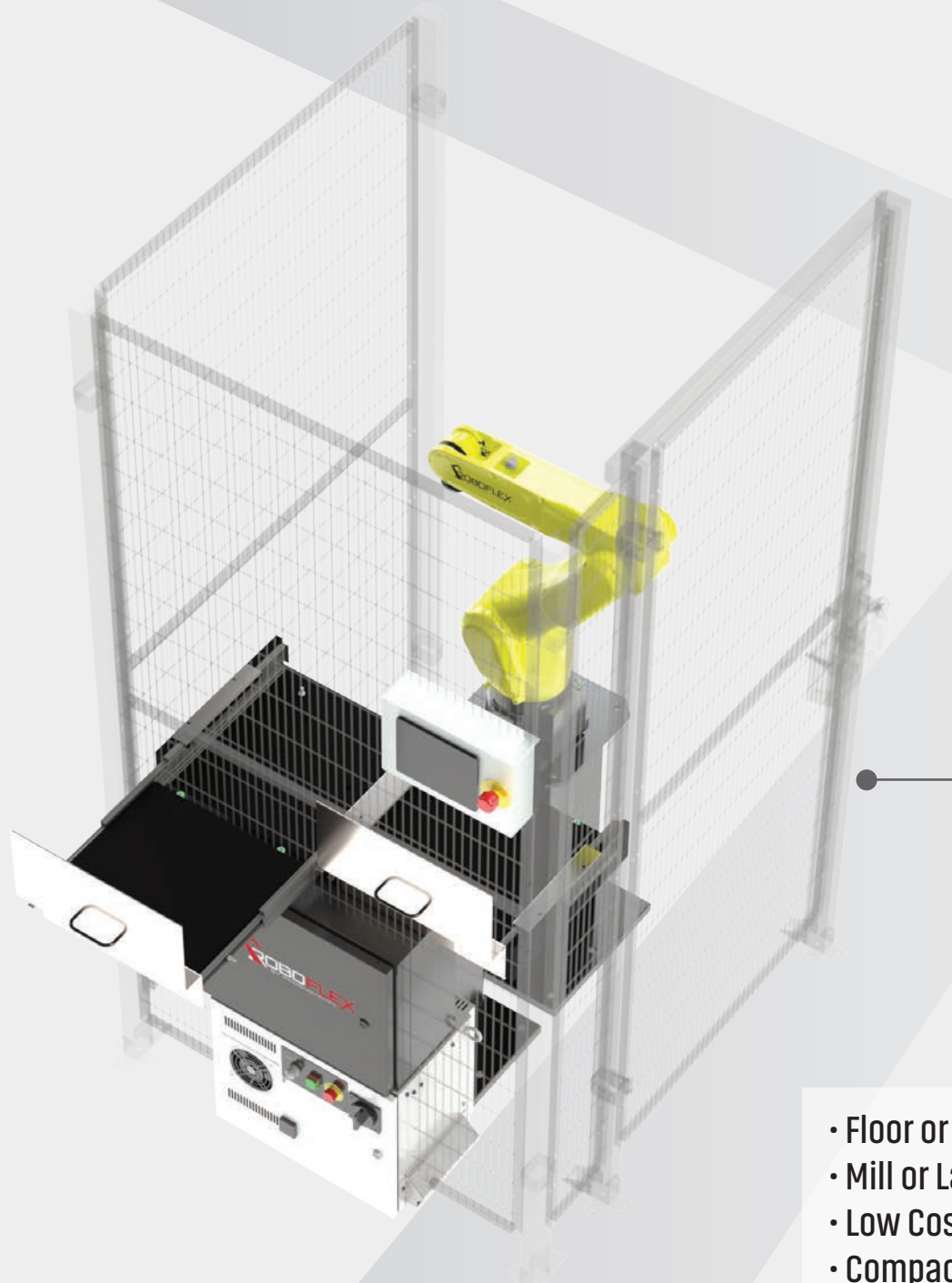
Automate your part pick-and-place operations with ease using Flex EP-C. Flex EP-C is a complete, contiguous system supporting the cobot, control cabinet, and the pick-and-place table, allowing for convenient relocation. Flex EP-C utilizes the latest in robotic programming technology, for an intuitive automation experience.



- Lightweight System
- Simple Operation
- Safety Incorporated Design

FLEXTM

VP



- Floor or Platform Mounted
- Mill or Lathe Compatible
- Low Cost System
- Compact Footprint

VALUE PACKAGE

AFFORDABLE EASY-TO-OPERATE PALLETIZED DRAWER SYSTEM

Simplify your infeed/outfeed with Flex VP. This compact, low investment palletized drawer system can be floor-mounted or upgraded to a pre-mounted movable platform, enabling the entire cell to move as a single unit.

FLEXTM

GT



- Simplistic Part Queue
- Quick Change-Over
- Scalable

GRID TABLE

FLEXIBLE TABLE PART QUEUE SYSTEM

Maximize walkaway time at minimal cost with Flex GT. This simple system utilizes off-the-shelf components to reduce cost and lead time. With numerous steel-welded table sizes, Flex GT can accommodate a wide variety of queue potential and part sizes.

DOCKING SYSTEM

SPACE CONSCIOUS PALLETIZED CART SYSTEM

Achieve rapid material exchange for continuous production with Flex DS. This compact production cell features independent docking frames and hydraulic scissor-lift transport carts for a quick-change infeed/outfeed solution.

FLEXTM

DS



- Compact Footprint
- Scalable
- Fast Queue Changeovers

FLEX
TM

CS

INFEED/OUTFEED CONVEYOR SYSTEM

Automate part loading/unloading effortlessly with Flex CS. This versatile setup includes infeed/outfeed conveyors with an integrated vision system. Flex CS provides a universal part infeed/outfeed without requiring part-specific locating grids.



- Flexible Part Queue
- Unlimited Conveyor Sizing Options
- Robot Integrated Vision, No Third-Party Platform Required

- Ideal for Large/Heavy Parts
- High-Volume Part Queuing Potential
- Standard Pallet Jack Compatible

FLEXTM

PS



FLOOR-MOUNTED PALLET SYSTEM

Automate part loading and unloading with Flex PS. This system features floor mounted docking frames and 40" x 48" engineered part pallets, providing fast and accurate part exchange on a large scale.

FLEXTM

DC

DRAWER CABINET

COMPACT, HIGH-VOLUME VERTICAL PART STORAGE SYSTEM

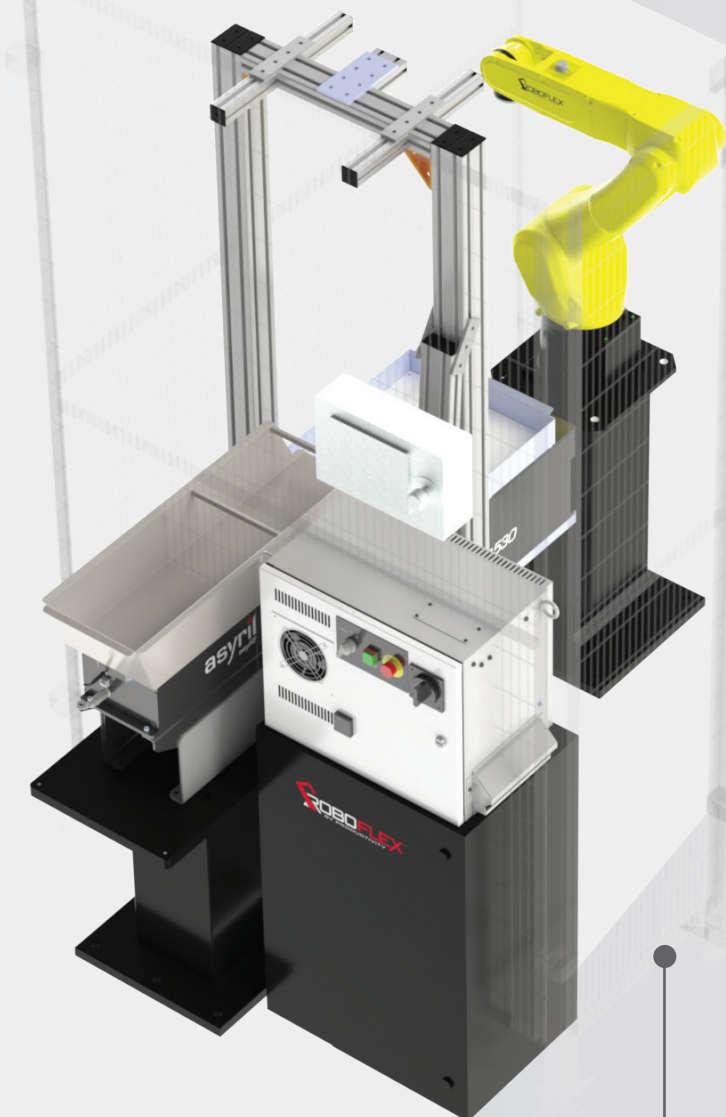
Achieve large queue potential with a minimal footprint using Flex DC. Utilizing a vertically stacked drawer system, Flex™ DC increases walkaway time without requiring extensive floor space.



- Easy, Fast Changeover
- Heavy Drawer Payload
- Drawer to Drawer Part Diversity
- Seamless/Safe Operator Interaction

FLEXTM

FF



- Compact Footprint
- Fast Cyclical Rate
- Instant Raw Part Reload

FLEX FEEDER

INTELLIGENT BULK FLEX FEEDER SYSTEM

Bulk-feed parts into production with Flex FF. Featuring an intelligent flex feeder and vision-based guidance system, Flex FF reduces operator interaction required for high-volume part presentation.

FLEXTM ACCESSORIES

**CUSTOMIZE YOUR AUTOMATION SOLUTION.
CONTACT OUR TEAM FOR EXPERT ADVICE.**

763.267.6010 OR VISIT ROBOFLEX.PRODUCTIVITY.COM

PART QUEUE



- MAXIMIZE SPACE & EFFICIENCY
- COMPACT FOOTPRINT
- CUSTOMIZABLE



END OF ARM TOOLING

- INCREASED EFFICIENCY
- MULTIPLE-OP COMPATIBLE
- MATERIALS/HARD TO REACH
- AIR-BLOW STAND



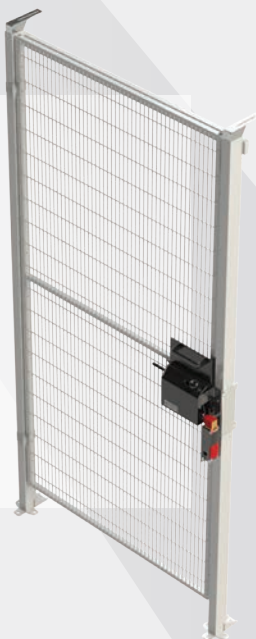
ROBOT PEDESTAL

- ADDITIONAL STABILITY
- SECURE ROBOT MOUNTING
- OPTIMIZED ROBOT REACH



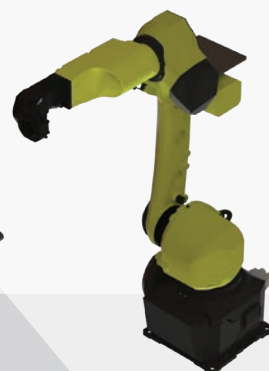
PERIMETER GUARDING

- FIXED MODULAR PANELS
OR LIGHT CURTAINS/AREA
SCANNER
- SAFE ENVIRONMENT
- OPERATOR ACCESS



ROBOT

- MORE THAN 100 ROBOT MODEL OFFERINGS
- EASY TO OPERATE
- PAYLOADS UP TO 2,300 kg & REACHES TO 4.7m



CABINET & CONTROL

- EASY OPERATOR INTERFACE
- ENHANCED CONNECTIVITY TO DEVICES
- RELIABLE CONTROL OF SYSTEM COMPONENTS

ROBOFLEX CUSTOM SYSTEMS

At RoboFlex, we specialize in the design and implementation of custom automation systems tailored to the specific needs of virtually any industry. Our approach is deeply analytical, beginning with a comprehensive evaluation of your operational environment. We meticulously assess every critical factor, including tool selection, NC process development, advanced controller programming, multi-axis integration, cell layout optimization, machine-to-machine interfacing, and the creation of production-ready workflows.

Our state-of-the-art robotic systems are engineered to enhance production consistency and process reliability, empowering our clients to adopt more ambitious production schedules with confidence. By integrating cutting-edge automation technologies, we enable our customers to achieve unprecedented levels of efficiency, precision, and scalability, ensuring their competitive advantage in a dynamic market landscape.

LET US HELP YOU CONFIGURE YOUR PERFECT SOLUTION

Our highly experienced, dedicated robotic automation engineers design, manufacture and program turnkey robotic automation systems for a myriad of manufacturing applications including:

- Multi-Machine Load/Unload
- Multi-Op Machine Tending
- Assembly
- Material Handling
- Palletizing
- Part Inspection
- Automatic Changeovers
- Part Washing
- Part Marking



OUR CUSTOM INDUSTRIAL AUTOMATION PROGRAM INCLUDES:



PROJECT MANAGEMENT: Full-spectrum oversight and coordination, ensuring the seamless integration of all system components from initial design to final implementation.



TURNKEY SOLUTIONS: Beyond robotic material handling, we offer fully integrated systems that include CNC programming, cutting tools, and machine work holding solutions, delivering a cohesive and efficient operational framework.



AUTOMATED FEEDBACK AND MEASUREMENT: Advanced systems are provided for real-time part measurement and automatic adjustment of machine tool offsets, ensuring consistent part quality and minimizing variability.



SYSTEM DEMONSTRATION: Complete system testing and validation are conducted before delivery, allowing for comprehensive evaluation and refinement to meet exacting specifications.



ON-SITE INSTALLATION: Professional installation and setup of the custom system at your facility, ensuring optimal integration and functionality within your existing operations.



TRAINING PROGRAMS: In-depth training for operators and maintenance personnel, tailored to the specifics of your custom system, delivered on-site to maximize efficiency and system longevity.

**READY FOR A TAILORED AUTOMATION SYSTEM?
LET'S START DESIGNING YOURS TODAY.**





Haas Automation is a leading name in the CNC machinery industry, known for its innovative and reliable automation solutions. As a global leader, Haas provides a wide range of automation systems designed to increase productivity, reduce cycle times, and optimize the efficiency of manufacturing processes. Their automation offerings include robotic systems, pallet pools, and automatic parts loaders, all engineered for seamless integration with Haas CNC machines. With a commitment to quality and performance, Haas Automation empowers manufacturers to stay competitive in today's fast-paced industrial landscape.

As a trusted distributor, we are proud to offer Haas Automation's cutting-edge technology to help our clients achieve operational excellence.



Haas Robot Package

RoboJob-USA is a leading provider of robotic machine tending systems for the CNC industry boasting a “we use the technology that we sell” motto. The company was established in 2007 in Belgium, and in 2021 it opened its first office in the United States. RoboJob-USA’s mission is to help machine shops improve their production processes through the use of advanced automation solutions.

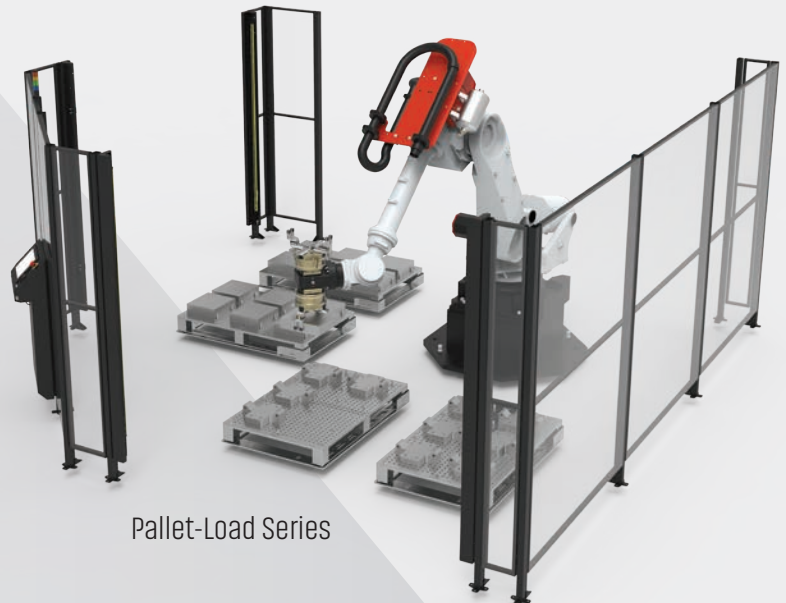
RoboJob-USA’s turnkey solutions are designed to help machine shops improve efficiency, reduce costs, and increase productivity. These tending systems are easy to integrate with existing CNC machines and a wide range of machine tool brands.

Check out their line of automation solutions including their Pallet-Load Series for the CNC lathe or milling machine automation, their Mill-Assist Series for the automation of your milling machine, and their Turn-Assist Series for the automation of your lathe. And, when you buy RoboJob-USA’s automation tending systems, you can expect flexibility, ease of use, and a quick ROI.

RoboJob-USA’s strong commitment to innovation and customer satisfaction, along with training, technical support, and maintenance, makes them a great fit to RoboFlex™’s product line. You can count on RoboJob-USA as a trusted partner for your automated manufacturing needs.



Mill-Assist Series



Pallet-Load Series



Turn-Assist Series

FANUC

Robotics

FANUC is a global leader in automation, renowned for its extensive range of industrial robots and collaborative robots (cobots) that cater to a wide variety of manufacturing applications, from welding and assembly to material handling. Known for their reliability, ease of integration, and advanced capabilities, FANUC's automation solutions are designed to boost productivity, precision, and flexibility across industries.

As a trusted distributor, we proudly offer FANUC's cutting-edge automation products, empowering our clients to enhance efficiency, reduce downtime, and stay competitive in today's dynamic manufacturing landscape.

This revision adds specific details about FANUC's products and emphasizes their impact on customers, making the paragraph more informative and compelling.



LEVERAGE OUR PARTNERSHIPS FOR YOUR SUCCESS

Get in touch to learn more at 763.267.6010 or visit roboflex.productivity.com.

MAXIMIZE EFFICIENCY AND LONGEVITY WITH OUR COMPREHENSIVE SERVICE AND PREVENTATIVE MAINTENANCE

Enhance the performance and extend the lifespan of your industrial robots and collaborative robots (cobots) with our expertly designed service and preventative maintenance. Our team of automation and robotics engineers, specializing in CNC optimize operational efficiency and minimize downtime.

As leaders in CNC integration and automation, we offer tailored service plans that meet your specific needs, ensuring your equipment remains in peak condition. Servicing across the US—we guarantee a swift response and expert care wherever your operations are based.

OUR SERVICES:



- **Technical Phone Support:** Immediate expert assistance is just a call away. Our specialized technicians provide real-time troubleshooting and guidance, minimizing downtime and resolving issues promptly.



- **Troubleshoot:** Using advanced diagnostic tools and methodologies, we swiftly identify and resolve complex issues. Our approach combines remote analysis with on-site inspections to ensure comprehensive problem-solving.



- **Repair:** Our skilled technicians perform both emergency repairs and scheduled maintenance. We use OEM parts and cutting-edge repair techniques to restore your robots to peak condition quickly and effectively.

PREVENTATIVE MAINTENANCE:

Our preventative maintenance plans are tailored to your specific robotic systems and production environment. These plans include:

- Calibration and alignment checks
- Lubrication and cleaning of critical components
- Detailed reporting and recommendations for system optimization

By choosing our service and preventative maintenance team, you're not just maintaining robots; you're ensuring the continuous evolution and peak performance of your CNC automation systems. Our expertise keeps you at the forefront of manufacturing technology, driving productivity and maintaining your competitive edge.

**MAXIMIZE YOUR SYSTEM'S PERFORMANCE.
SCHEDULE A CONSULTATION NOW.**

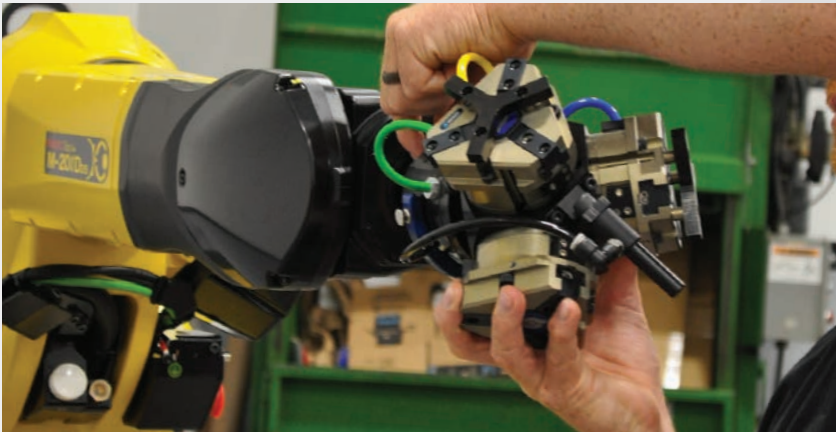


Our Automation and Robotics department is powered by a dedicated team of 16 automation integration experts, each with extensive experience in robotics, automation, and CNC manufacturing. United by a shared passion for innovation, our team excels in designing and integrating complex automation systems, optimizing robotic setups, developing cutting-edge approaches to ensure peak operational efficiency.

Our engineers specialize in advanced programming, diagnostics, and system optimization, while our service technicians bring unmatched expertise in troubleshooting, repair, and on/off-site support. This synergy enables us to develop flexible, tailored solutions that address your specific manufacturing challenges.

From initial concept through design and implementation, we partner closely with you, leveraging specialized tooling and our deep industry knowledge to enhance production output, accelerate ROI, and maximize labor efficiency. With a commitment to continuous learning and adaptation, our team remains at the forefront of industry trends, ensuring that your automation systems stay competitive in today's fast-paced manufacturing landscape.

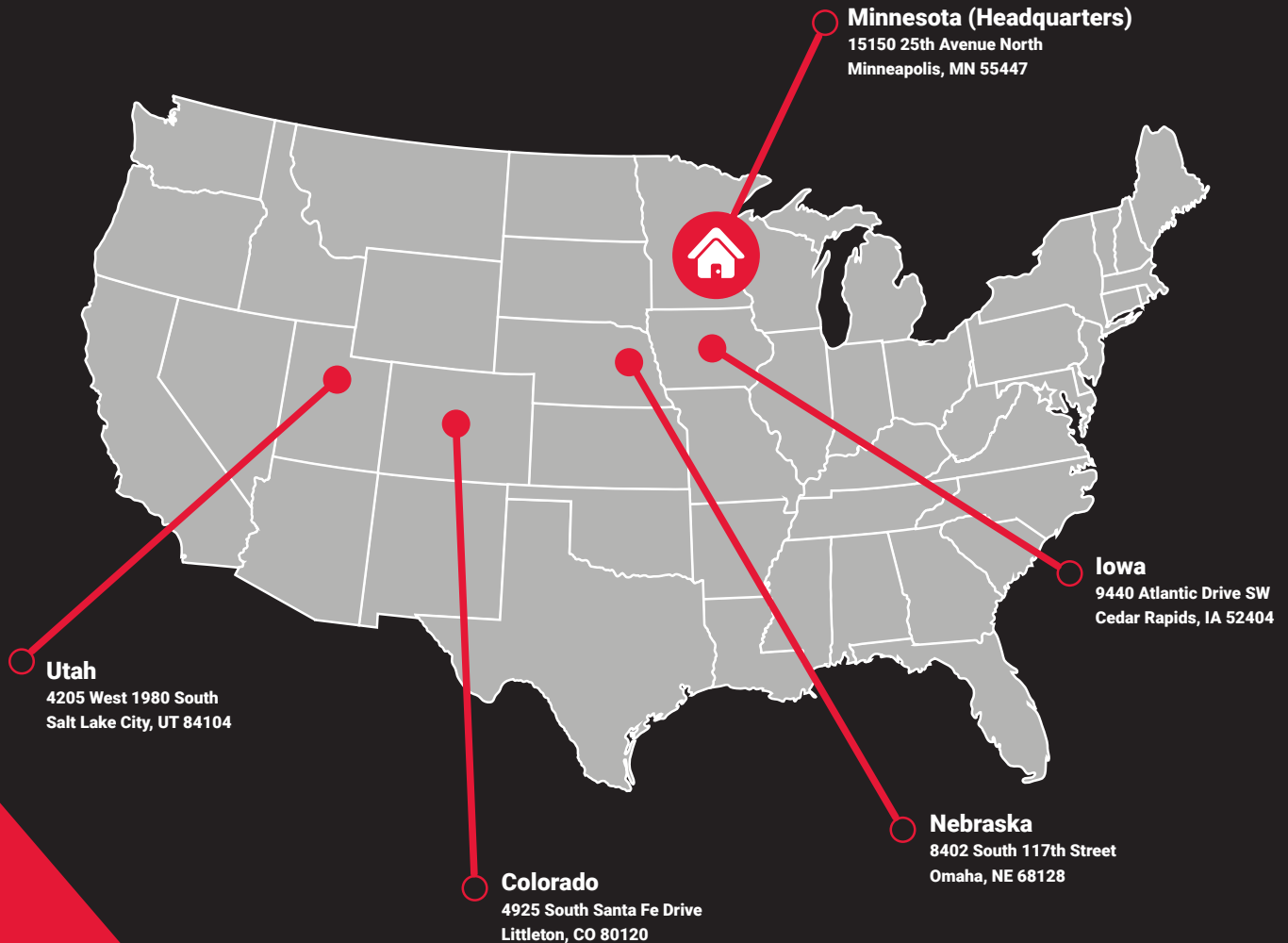
**PUT OUR EXPERTISE TO WORK FOR YOU.
CONNECT WITH OUR TEAM TODAY.**



SERVING CUSTOMERS NATIONWIDE WITH LOCAL EXPERTISE

As a leading provider of advanced robotic automation solutions, RoboFlex proudly serves manufacturers across the United States. While our innovative systems can be implemented at customer sites nationwide, we maintain a strong physical presence in key regional hubs - from our corporate headquarters in Minnesota to facilities across the West and Midwest, including Utah, Colorado, Iowa, and Nebraska. Our team of automation experts is ready to partner with you and optimize your manufacturing operations.

Ready to automate? Contact us today to discover how RoboFlex can help you unlock new levels of efficiency, productivity, and competitiveness.



VISIT US ONLINE

