FANUC
AMERICA

OUR MISSION

TRANSFORMING THE WORLD THROUGH AUTOMATION

FANUC America is a global leader in robotics and automation systems, but the heart of the company's work is in solving real-world production challenges. Whether streamlining processes, improving efficiency or tackling complex manufacturing hurdles, FANUC is in the business of finding solutions and making things work.

Since 2019, FANUC America has invested more than $187 million in its continued expansion, which now includes more than 2 million square feet at its U.S. headquarters and campus in Michigan, as well as new headquarter facilities in Mexico and Canada. This growth, paired with customer demand, has led to the continued creation of jobs within FANUC and its automation customers.

With a talented workforce of engineers, product developers, project managers, technicians, salespeople, trainers, service personnel and hundreds of other professionals, FANUC's expertise runs deep. And yet, its solutions touch industries and applications nearly too numerous to count, including automotive, aerospace, agricultural, consumer products, food, pharmaceuticals, warehousing and more.

To sum it up: Where there's automation, there's FANUC.

REGIONAL SUPPORT

From its headquarters in Rochester Hills, Michigan, to offices throughout North and South America, FANUC America is committed to advancing industrial automation. With a strategic investment of more than $250 million in North America alone, highlighted by the forthcoming advanced automation customer training center FANUC Academy, FANUC isn't just growing— it's leading.

This emphasis on growth has not only fortified the company's position as an industry trailblazer, but allowed FANUC to build a solid team of industry experts and facilities that are close to customers and equipped to assist when needed. Through the company's vast service network, FANUC can offer real-time support at any time, and in any location.

This on-the-ground mentality is furthered through FANUC's qualified partners—the automation industry's largest and most trusted network of industrial robotic and CNC system integrators—known as FANUC's Authorized System Integrators and Authorized CNC System Integrators. No matter which location a customer resides or industry that they operate, a FANUC Authorized System Integrator is never far away.

CNC SYSTEMS & SOLUTIONS

With more than 5 million CNCs installed worldwide and over 60 years of experience, FANUC is the leading supplier and developer of cutting-edge CNC and motion control systems for machine tools as well as other custom applications used around the globe. FANUC CNC systems have a world-class reputation for performance, precision, reliability and user-friendly operation.

FANUC offers a comprehensive combination of CNCs, drives, motors and IoT connectivity, as well as digital twin solutions for consistent, dependable and quality performance. From high-volume production environments to advanced machining executing complex parts, FANUC's CNC products meet all types of manufacturing needs, including retrofitting legacy machine tools.

FANUC CNCs provide a lower total cost of ownership with a competitive acquisition cost, lower operating costs, higher performance, better quality parts produced and reduced downtime. No other control platform is more widely used than FANUC, helping manufacturers optimize efficiency.

The reliability that FANUC CNCs are known for also translates to the company's experienced sales team. Sales engineers are armed with FANUC CNC intelligent solutions and market knowledge to assist machine tool builders, retrofitters and system integrators with selecting the ideal FANUC CNC solutions. Additionally, its aftermarket support account managers help end users and dealers select the FANUC CNC systems, options and software that will maximize productivity.

ROBOTS

FANUC's journey began with its first robot in 1974, and by 1982, it was making waves in North America as a key supplier to the automotive industry. Fast forward to today and FANUC boasts the most extensive range of robots and cobots available in the market, transforming industries from aerospace and agriculture to EV, food and beverage, consumer goods, medical, pharmaceutical, and warehousing.

As an automation trailblazer for over half a century, FANUC's robots are used in production facilities all over the world to assemble, handle, package, paint and weld products of every shape and size. In total, FANUC has produced more than 1 million industrial robots that are reliable, easy to use and work in virtually every industry and application.

With impressive payload capabilities that hold up to 2,300 kg, FANUC has the largest selection available of standard robot and cobot models. Complementing them are features like integrated *i*RVision, ROBOGUIDE simulation, and Industrial IoT solutions like Zero Down Time (ZDT), designed to help customers monitor and manage their automation.

FANUC has the distinct advantage of using its own robots to make robots, controllers and machine tools that offer world-renowned reliability, precision, speed, and easy operation. With the exception of paint robots manufactured by FANUC America in the U.S., all of FANUC's robots and cobots are made in Japan.

COBOTS

Safe, flexible, quick to implement and easy to program, FANUC's new CRX Collaborative Robots (or cobots) offer the company's renowned reliability plus 8 years maintenance-free operations to meet the production needs of today's manufacturers.

More affordable than industrial robot systems, cobots are similarly capable, and in the case of CRX, offer payloads from 3 kg to 30 kg, with clean-room and food-grade options available.

Often called the "gateway" to robotics, the CRX series of cobots are easy to power, running on standard 120v power, and feature a compact footprint that makes the model easy to place within an existing manufacturing floor, or even mount to a cart for additional flexibility. They feature a safe-contact stop and easy hand guidance with intuitive programming, even for robot novices.

Through tooling partners, customers can customize cobots with end-of-arm solutions to meet their unique needs, and across industries, FANUC's Authorized System Integrators are rolling out pre-engineered cobot systems that standardize common solutions and can be delivered in as little as a few weeks.

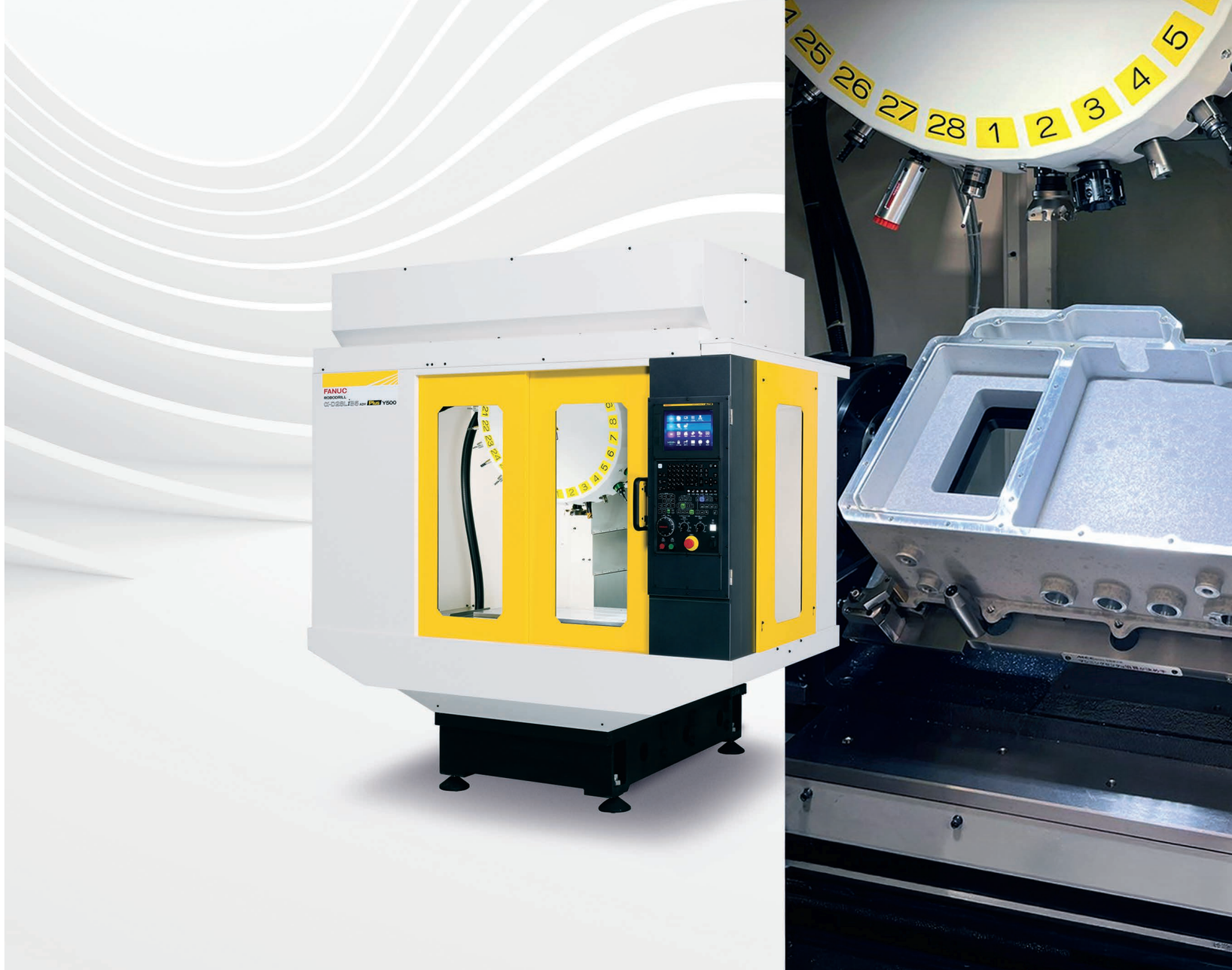
Visit CRX.FANUCAmerica.com to see the full lineup of CRX cobots.

ROBODRILL PLUS

The new generation ROBODRILL Plus vertical machining center provides unrivaled quality and precision at tremendous speed. Designed to meet every production need, the ROBODRILL α-DiB Plus models come in small, medium and large sizes, each available in either standard or advanced versions. The new α-D28LiB5ADV Plus Y500 is designed to perform a wider range of tasks and boost productivity for any machining application. The extended Y-axis stroke and the larger table size unlocks the ability to machine large workpieces. Plus, the expanded 28 tool storage with ultra-fast changes ramps up this model's versatility and efficiency.

The ROBODRILL α-DiB Plus models are suitable for all vertical machining applications, from short production runs requiring fast turnaround times to flawless mass production. With an unbeatable rapid traverse 60m/min for Z axis, the advanced version is the fastest and strongest vertical machining center in its class on the market. The standard version ROBODRILL α-DiB Plus is fast and has excellent repeatability making it perfect for applications such as high-speed drilling, boring and tapping.

With the shortest cycle times for many operations, all ROBODRILL α-DiB Plus machines offer incredible performance and efficiency. FANUC's legendary reliability coupled with easy preventative maintenance procedures keeps downtime to an absolute minimum. And thanks to their extreme longevity, ROBODRILL α-DiB Plus machines also provide an unbeatable return on investment.



MOTORS AND DRIVES

With more than 25 million servo motors installed worldwide, FANUC literally powers industries around the globe. Offering the widest range of motors and drives, FANUC's powerful high-speed servo technology and energy efficiency strategies boost production while maintaining accuracy and precision.

FANUC motors contain an internal permanent magnet design using rare earth magnets that reduce their size. Their compact structure makes them perfect for applications where space is limited. When the axes decelerate, FANUC's intelligent drive systems send energy back into the power line to reduce total energy consumption by as much as 50 percent. That saves energy costs as well as boosts sustainability.

FANUC's latest servo system delivers even higher speeds than previous systems with higher precision while also reducing energy consumption. The enhanced servo performance has exceptionally smooth operation to achieve fine surface quality machining and positioning. This series is IP67 rated as standard, ensuring waterproof protection in heavy washdown or harsh environments.

FANUC's motors are known throughout the world as being highly reliable, easy to maintain and efficient – all critical for industrial applications. Every FANUC motor is designed, manufactured and rigorously tested at FANUC's Servo Motor Factory in Japan.

THE CONTROLS

Powering the evolution of automated manufacturing are two new FANUC controllers—the R-50*i*A Robot Controller and 500*i*-A CNC—both offering powerful performance, optimized efficiency and more security than ever before.

The R-50*i*A is the world's first robot controller to offer cyber security along with a wide range of enhancements and new intelligent features designed to maximize robot performance. This includes improvements to FANUC's built-in vision, an energy-efficient new amplifier and eco-mode switch, as well as multiple layers of defense to secure data exchange with third-party certification for international cyber security: IEC 62443-4-1 and 4-2. Intelligent and compact, the new R-50*i*A controller comes in three cabinet sizes.

With the new FANUC Series 500*i*-A CNC, FANUC America takes the machining world to the next level. This new control series advances machine performance with 5-axis integrated technology and supports both machine tool builders and CNC users with their evolving needs including easier operations, more security and optimized efficiency.

With its dual engine architecture, the new control has 2.7 times higher CPU processing power than previous models and comes with updated modern hardware and graphically enhanced software. This higher performance, including improvements in both block processing time and macro program processing, is designed to help machine shops drive down cycle times with faster speeds and improved productivity.

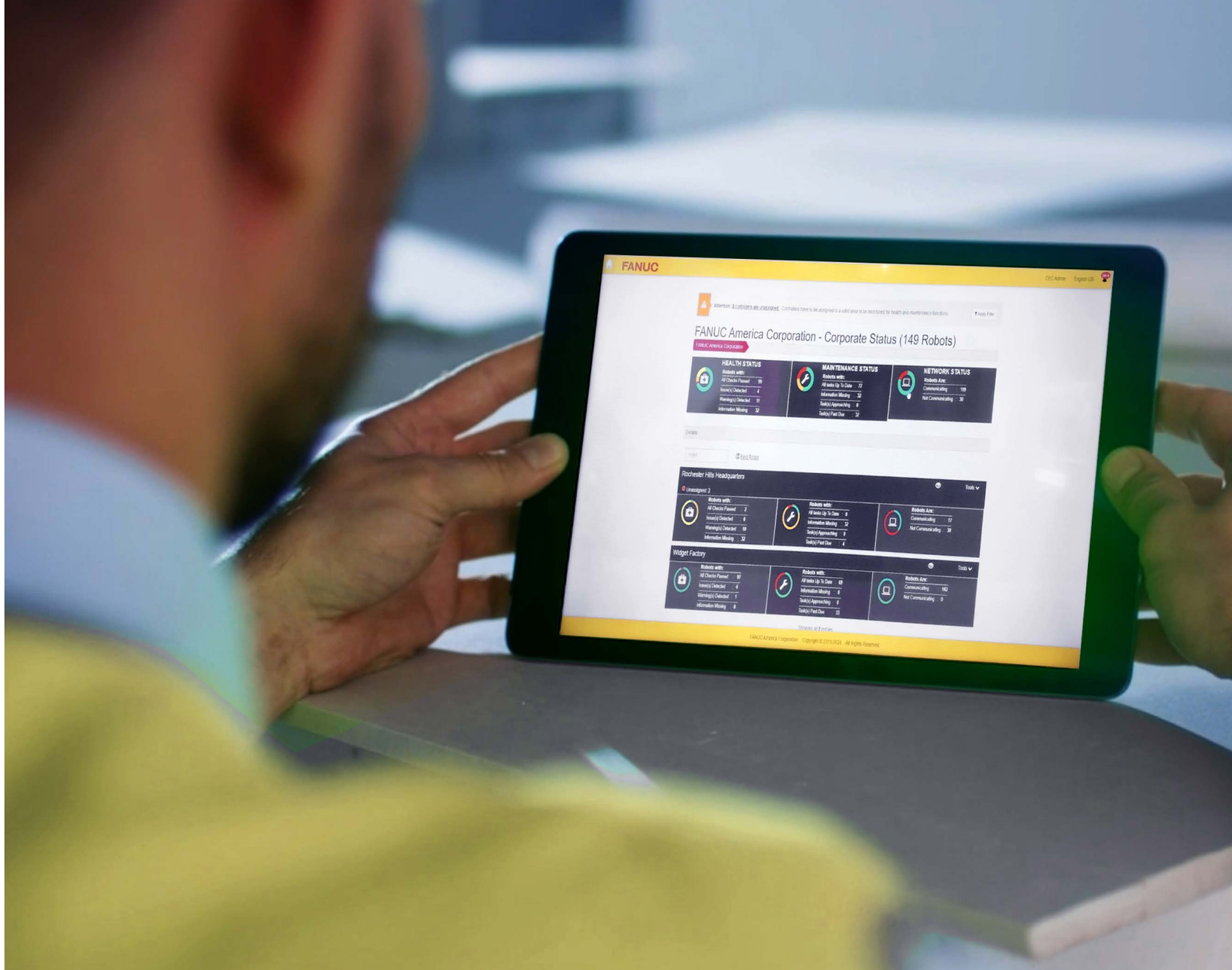
CONNECTED SOLUTIONS

As technologies advance at a rapid pace, the world of manufacturing is shifting, too. Harnessing these technological advancements is key to optimizing today's shop floor, and FANUC offers connected solutions designed to help customers monitor and manage their automation. Through predictive automation monitoring, industrial companies can access advanced analytics designed to help customers avoid downtime, ensure throughput and ensure a safe workplace environment.

- FANUC's **Zero Down Time** (ZDT) provides predictive analytics to prevent unexpected down time. By identifying component failures in advance and recommending proper intervals for routine equipment maintenance, plant managers can schedule regular production down time rather than lose time and money performing unscheduled repairs or maintenance.

- **ROBOGUIDE** is the leading offline programming product on the market for FANUC robots. Process-focused software packages allow users to create, program and simulate a robotic workcell in 3D without the physical need and expense of a prototype workcell setup. With virtual robots and workcell models, programming with ROBOGUIDE minimizes risks and costs through visualization of robot workcell layouts ahead of actual installation.

- Manufacturers can bring their facility into the IIoT universe through FANUC's **MT-LINK*i*** machine tool monitoring software and server. Fully scalable, out-of-the-box solutions, these products can monitor and manage data from one to 2,000 machines using a PC and Ethernet connection. A variety of data points are automatically collected, even from multiple sites, delivering critical enterprise-wide and real-time data.



SERVICE FIRST

"Service First" isn't just a slogan—it's FANUC's promise to provide lifetime support for its valued customers. With 289 service locations across 108 countries, FANUC ensures that its customer operations run smoothly, no matter where they're located.

FANUC's dedication to Service First also means offering lifetime product support and maintenance for the lifetime of an original owner's FANUC product, even for models that are no longer in production. The company's expert team of service, support, and training instructors is always ready to meet unique customer needs—something no other automation company can match. FANUC America's Customer Service boasts the industry's fastest response times for field service, spare parts, and technical phone support.

Need assistance right away? The FANUC America Technical Support Call Center is available 24/7 at 1-888-FANUC-US (1-888-326-8287).

Service First

AUTOMATION EDUCATION

More than ever, today's companies use robots and CNC technologies to maximize productivity and gain a competitive edge. Many, however, are struggling to find qualified workers with the right technology skills. The current skills gap is the driving force behind FANUC America's certified education programs, which provide industry-relevant training at more than 1,700 partner high schools, colleges, and universities. This hands-on experience not only teaches basic robot operations and programming but also equips students with real-world solutions using the same products found in industrial workplaces. Upon completion, students earn industry-recognized certifications.

To further its commitment to cultivating the skills of FANUC's customer workforce, the $1 million FANUC Automation Endowed Scholarship Fund was recently launched in collaboration with the SME Education Foundation. As the largest automation scholarship in SME Education Foundation history, this game-changing initiative will foster the next generation of skilled professionals in advanced manufacturing and automation through a variety of education programs.

With more than 1 million industrial robots installed worldwide, FANUC is the most common platform in automation. As an industry leader, FANUC understands the critical role of supporting the students, educators, and employers that will drive automation and Industry 4.0. Soon, the new FANUC Academy will launch near FANUC America's headquarters, as the largest and most advanced corporate automation training facility in the U.S.

FANUC ACADEMY

OUR HISTORY

FANUC—an acronym for Fuji Automatic Numerical Control—was established in Japan in 1972, but its history began long before that when the first numerical control in Japan's private sector was successfully developed in 1956. In 1977, FANUC USA CORPORATION was established with a focus on service and support for CNC products. In 1982, a joint venture for paint robots in the U.S. by FANUC and General Motors was established, named GMFanuc Robotics Corporation. In 1986, GE FANUC Automation Corporation, a joint venture between FANUC and General Electric, was formed. It wasn't until 2013 that the joint ventures were reorganized to become what we now know as FANUC America Corporation, also covering both North and South America.

Today FANUC is the global leader in CNC systems, robotics, and ROBOMACHINEs with over 40 million products installed worldwide.

Since its founding days, the company has been built on the principles of transparency and strict precision. It's that long-standing dedication that has helped to fuel FANUC's continued growth and is the reason so many people have come to recognize its iconic yellow industrial robots within manufacturing facilities across the world.

OUR CULTURE

FANUC America is made up of problem solvers, working and partnering with customers to understand their challenges and help achieve impactful automation solutions.

The company's mission is simple, but powerful: Transforming the world through automation.

To achieve this ambitious goal, however, it's imperative that every leader and employee is on board with FANUC's values and beliefs, using them as a way to drive day-to-day decision making. FANUC's cultural DNA is defined as "PRIDE," and outlined below:

- **WHO WE ARE: People**
  We believe we reach our highest potential when we feel included, challenged and valued
- **HOW WE WORK: Respect**
  We believe treating each other with respect drives superior collaboration and helps us solve problems others can't
- **HOW WE ACT: Integrity**
  We believe honesty, integrity, and transparency create the foundation for consistent success
- **WHAT SETS US APART: Dedication**
  We believe our passion for our customers sets us apart
- **WHAT DRIVES US: Excellence**
  We believe our attention to detail in everything we do – strict precision – fuels quality, reliability and our promise of lifetime support

SUSTAINABILITY

Continuously working to reduce its environmental footprint, FANUC has long made sustainability a part of its culture.

Steps from the company's global headquarters near Mt. Fuji in Japan, guests will find acres of forest currently being regenerated to a geographically natural broad-leaf ecosystem, serving as a clear reminder to this promise and an inspiration to the future of the planet.

Additional environmental goals that FANUC is working diligently to achieve include:

- Carbon neutrality by 2050
- Reducing power consumption
- Utilizing green energy
- Reduction in packaging materials
- Development and promotion of energy-efficient products

A BUSINESS BUILT ON SUSTAINABILITY

CARING FOR THE ENVIRONMENT IS IN OUR DNA

CARBON NEUTRAL BY 2050

REDUCE PACKAGING MATERIALS USED

DEVELOP AND PROMOTE ENERGY-EFFICIENT PRODUCTS

UTILIZE GREEN ENERGY

REDUCE POWER CONSUMPTION

WHERE THERE'S SUSTAINABILITY
THERE'S FANUC

US BASED RESEARCH & DEVELOPMENT TEAM

At FANUC America, problem solving is the heart of the business, helping customers achieve their goals while improving overall efficiency and profitability.

In addition to its sales, service and training teams, FANUC America is home to an extensive research and development team. At the company's Michigan headquarters, engineering experts focus on software, mechanical, motion control, electrical, and robotic application/process development.

With over 130 patents granted, FANUC America's R&D team is comprised of industry experts that have made it their mission to solve unique customer challenges while advancing the field of robotics and automation in a way that only FANUC can do. The company's global reach—which includes more than 40 million products installed worldwide—rich history and industry-leading quality serve as the strong foundation with which to drive continuous innovation.

AUTHORIZED SYSTEM INTEGRATORS

When a company displays the FANUC Authorized System Integrator icon, it's a testament to the organization's capabilities, and backed by FANUC resources. For both robotics systems and CNCs, FANUC's diverse network of Authorized System Integrators (ASIs) represent the best that the industry has to offer.

With special access to FANUC training courses, conferences and technical support from FANUC's specialized application support teams, ASIs cover a variety of geographies and industries throughout the Americas. And with hundreds of ASIs to connect with, it's likely that at least one has already developed and potentially standardized automation solutions for the majority of today's unique production challenges.

From automotive to woodworking, FANUC Authorized Integrators are experienced in developing and implementing solutions to meet their customers' needs no matter how big or how small. FANUC Integrators are ready to review your system requirements and provide a solution that will improve quality, throughput, and productivity for a positive return on investment.

For more information on FANUC's ASI network, visit FANUCAmerica.com/integrators.

REDEFINE YOUR MANUFACTURING STRATEGY

Today's most successful manufacturers rely on automation to thrive. The market changes quickly, and modern automation is crucial for manufacturers to evolve and innovate in an ever-changing economic environment where obstacles like labor shortages, physically demanding or dangerous work, lengthy production times and quality issues threaten productivity.

In the old model of manufacturing automation, large, complex machining systems filled the space, making it challenging to change products or processes. Today's automation products can fit into small footprints, work with existing production facilities and alongside humans, can go online quickly and integrate in ways that were impossible even a decade ago.

Offering versatility, reliability and world-renowned performance, FANUC solutions can be the answer to big or small productivity challenges. With decades of automation experience in every manufacturing application, FANUC and its network of Authorized System Integrators are ready to optimize your production needs.

Learn more and connect with our experts at FANUCAmerica.com.

FANUC