Wauseon Machine was founded in 1983 as a small contract machine shop. By 1988, our business expanded, and we began building equipment for the tube fabricating industry. As the need for automation became evident, we integrated our first robot on a custom leak testing machine in 1999. This led to a partnership with FANUC America Corporation and the beginning of our journey as an Authorized System Integrator.

Now in our fourth decade, we continue to grow into new, emerging industries, while staying true to our roots in the metal fabrication industry. Industries we serve include aerospace and defense, appliance, automotive, general industry, glass, heavy truck, HVAC, life sciences, and wood products.

Our Milestones

- **2001**: Became an Authorized System Integrator of FANUC robots
- **2002**: Upgraded from a Level I integrator status to a Level II status
- **2005**: Upgraded from a Level II integrator status to a Level III status
- **2008**: Became a Certified Servicing Integrator
- **2010**: Reached Level IV Integrator status, the highest achievable
- **2012**: Achieved the Certified Vision Specialist status

Applications

- Assembly
- Inspection & Testing
- Machine Tending
- Material Handling
- Material Removal
- Your Custom Application!
After installation of your robotic turnkey system, our service technicians are certified to provide troubleshooting assistance, spare parts, general maintenance, and preventive maintenance based on a recommended schedule from FANUC. Should you require programming changes after installation, our engineering staff is positioned to effectively meet your requirements.
As our technology advances, so do you.

Our mission is to increase the effectiveness of your processes. We do not fear the unknown, and we take every step possible to help you accomplish your unique manufacturing goals by providing the best technology options available.

**iRVision** is primarily used to determine part location, orientation, and presence, and it can also perform error proofing. As a FANUC Certified Vision Specialist, we have a vision engineer on-staff and are experienced in utilizing this technology.

**ROBOGUIDE Simulation Software** allows our design engineers to discover key information prior to the build stage, such as:

- Proper motion of the robot
- Cycle time
- Reach study
- Verify payload
- Identify clearance and interference problems at the design stage rather than the build stage

**Remote Access** to your FANUC robot allows our engineers and technicians to provide support from anywhere. With FANUC’s iRConnect cell phone app, we can track issues and receive notifications. We can also provide the capability to access all equipment through a VPN connection, and GoToMeeting provides our technicians with the ability to take control of your PC.

**Force Sensors** can enhance accuracy and repeatability in applications such as assembly and material removal. A FANUC Force Sensor can be mounted on a fixture or directly onto the robot faceplate, dependent upon the application, and is available in multiple sizes for use on a variety of robot models.
Need help developing a specification for your project? Are you having trouble justifying the investment? We will assist you throughout the discovery process! Listed below are the many benefits you may experience by choosing us for your FANUC robotic turnkey system.

- **Reliability** is an essential part of your production planning process, and by choosing a robotic solution over fixed automation, your potential failures are minimal. The mean-time-between-failure of a FANUC robot is documented at 78,000 hours, depending on the model.

- **Uptime** associated with a FANUC robotic turnkey system designed, built, and integrated by Wauseon Machine is typically 98% to 100% when proper preventive maintenance practices are followed.

- **Flexibility** of our turnkey systems allows you to not only reprogram your robot as required when processes change but also allows you to retool, redeploy, or redevelop your equipment in a more cost effective manner than other fixed automation solutions.

- **Repeatability Tolerances** unachievable by a human operator can be reached with a FANUC robot. Companies who choose robotic automation may experience quality and employee safety improvements throughout the entire process flow.

- **Efficiency** is one of the most important measurables in business, and a FANUC robot integration is likely to meet or exceed your expectations. Improved efficiency is often experienced in areas such as manufacturing processes, product throughput, uptime, and energy.

- **Productivity** improvements will be witnessed quickly. Your downtime will decrease, your throughput will increase, and your total hours in production will be higher when compared to traditional human labor.

- **Quality** is built into every robotic system we deliver. Our vertical integration provides us with control over the design and build of a complete system including components that are typically outsourced. Your project stays with us from start to finish.

- **ROI** in a robotic turnkey system will not only include tangible benefits such as labor reduction, process efficiency, safety improvements, and increased product throughput but will also include intangible benefits. These non-measurable benefits include quality improvements up and downstream, the ability to market the robotic technology on your plant floor to clients, and embracing robotics as a stepping stone to more and newer technologies and products.
DRIVEN BY QUALITY, INNOVATION, AND CUSTOMER SERVICE

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