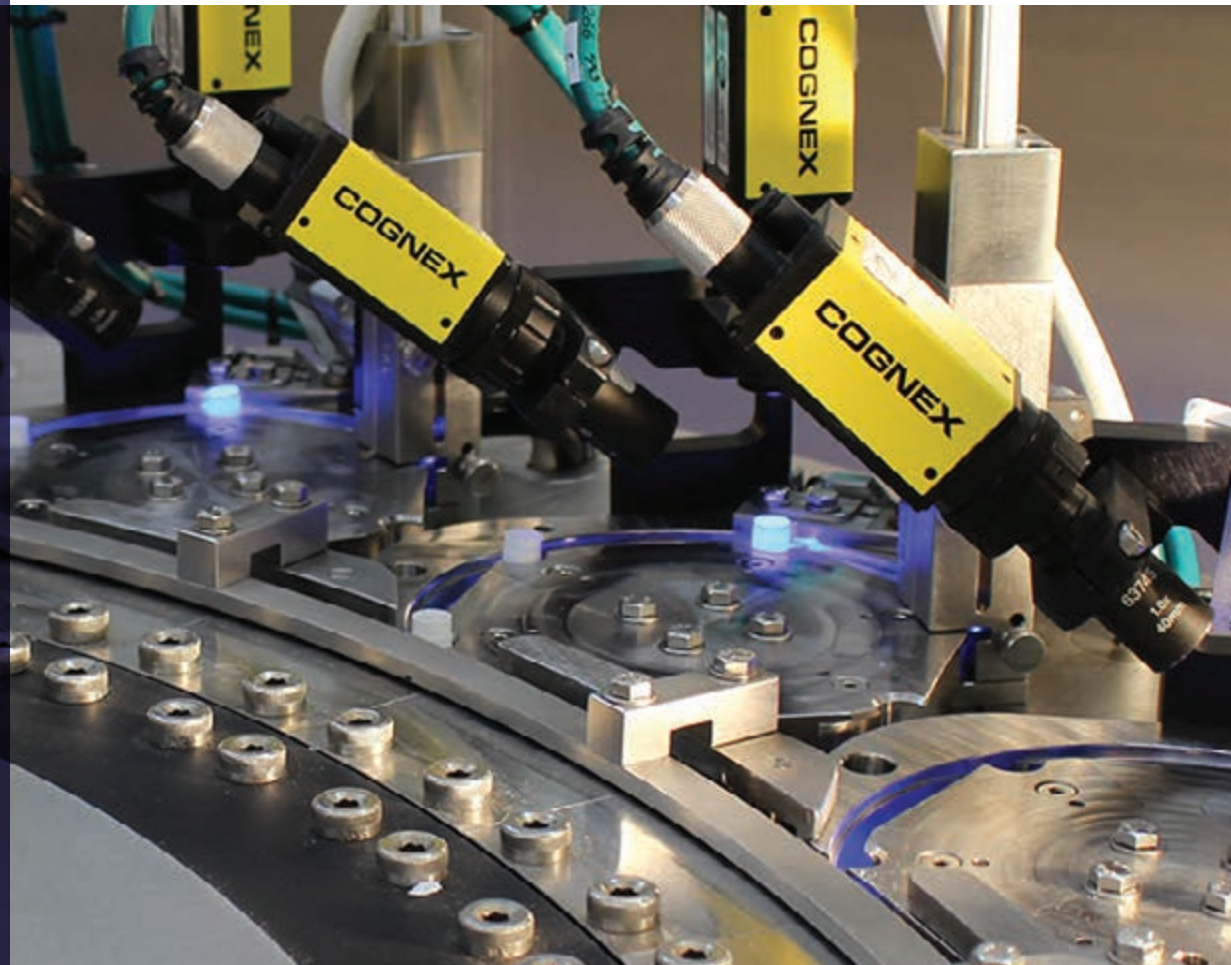


AUTOMATION



ENGINEERING
FOR OPTIMUM
PERFORMANCE

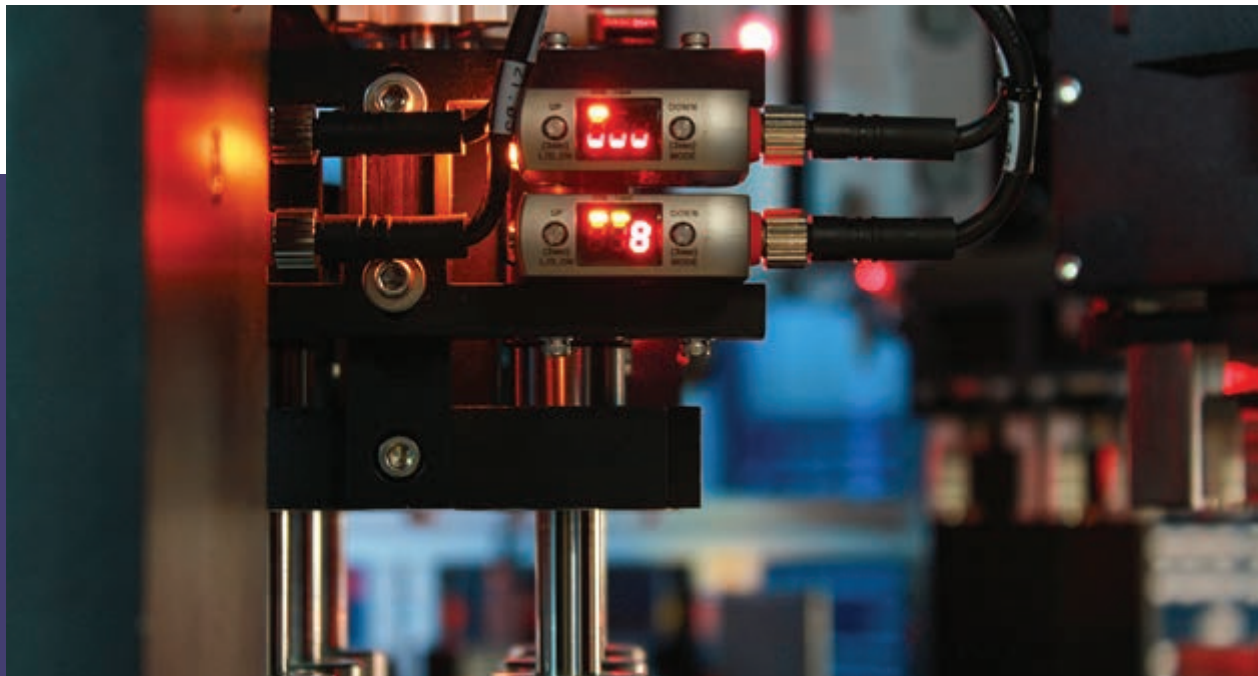


| ABOUT US

MGS Automation was initially developed as an in-house resource supporting the rapidly growing operations of Wisconsin-based MGS Mfg. Group. Its early success paved the way for marketing custom automation solutions to other manufacturers.

A truly automated solution includes more than intelligent machinery. Our engineers are devoted to every detail of your automated process. With our complete understanding of manufacturing processes, MGS factors items such as budget, floor space, life of project, annual volumes, integrated QA needs, component specifications, software needs and ease of operation. Our wide range of automation platforms allows MGS to configure a fully customized automation cell that will instantly accelerate your productivity and consistency while evaluating quality.

MGS Automation is a division of MGS Mfg. Group. Founded in 1982, MGS is a leading global provider of optimized manufacturing solutions for high precision plastic products. With more than 1,400 employees at 10 facilities here and abroad, MGS is the ideal partner to meet your greatest challenges and make your program successful.



AUTOMATION SOLUTIONS

MGS Automation Systems provide consistent manufacturing efficiency, integration flexibility and cost-effective operation and maintenance.



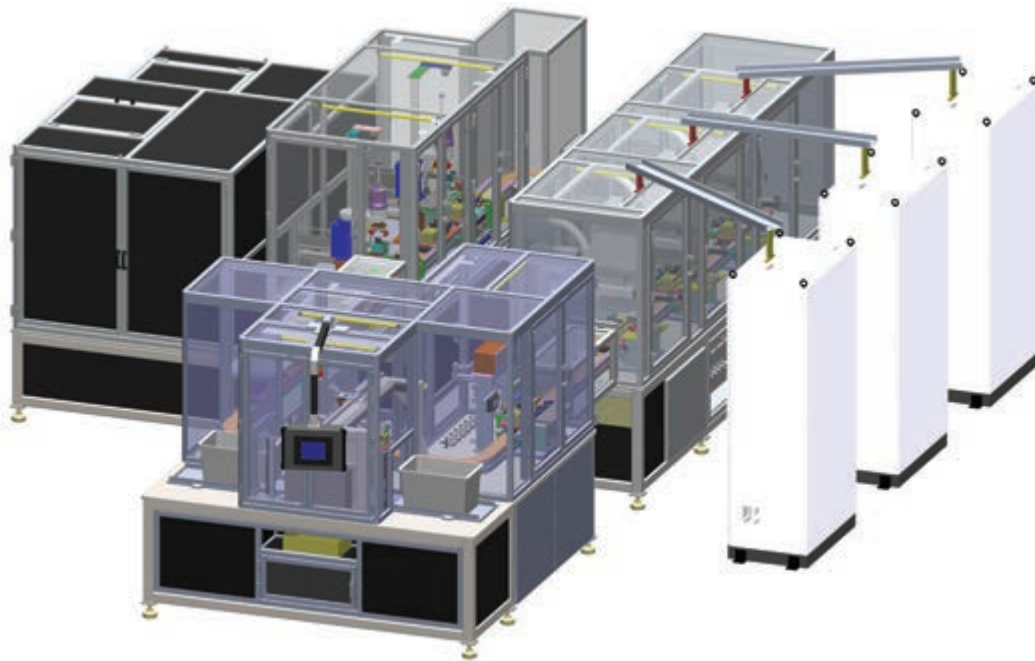
PRESS SIDE

MGS is an established molder running over 260 injection presses in seven locations around the world. This extensive knowledge of press-side design allows us to offer out of the box solutions for products requiring downstream and/or upstream molding processes. We take control of the entire work cell ensuring complete alignment and integration between the injection mold, press, robotics and automation cell.

BENCH TOP

An ideal automation solution for parts and assemblies of nominal size and lower volume runs. Boost efficiency without a significant impact on your floor space or your budget. Our bench top solutions are a perfect way to automate a process while eliminating the cost of expensive feeders and orientation devices. Bench top machines are often a perfect entry level platform until product volumes demand more productive solutions.





MECHANICAL ENGINEERING

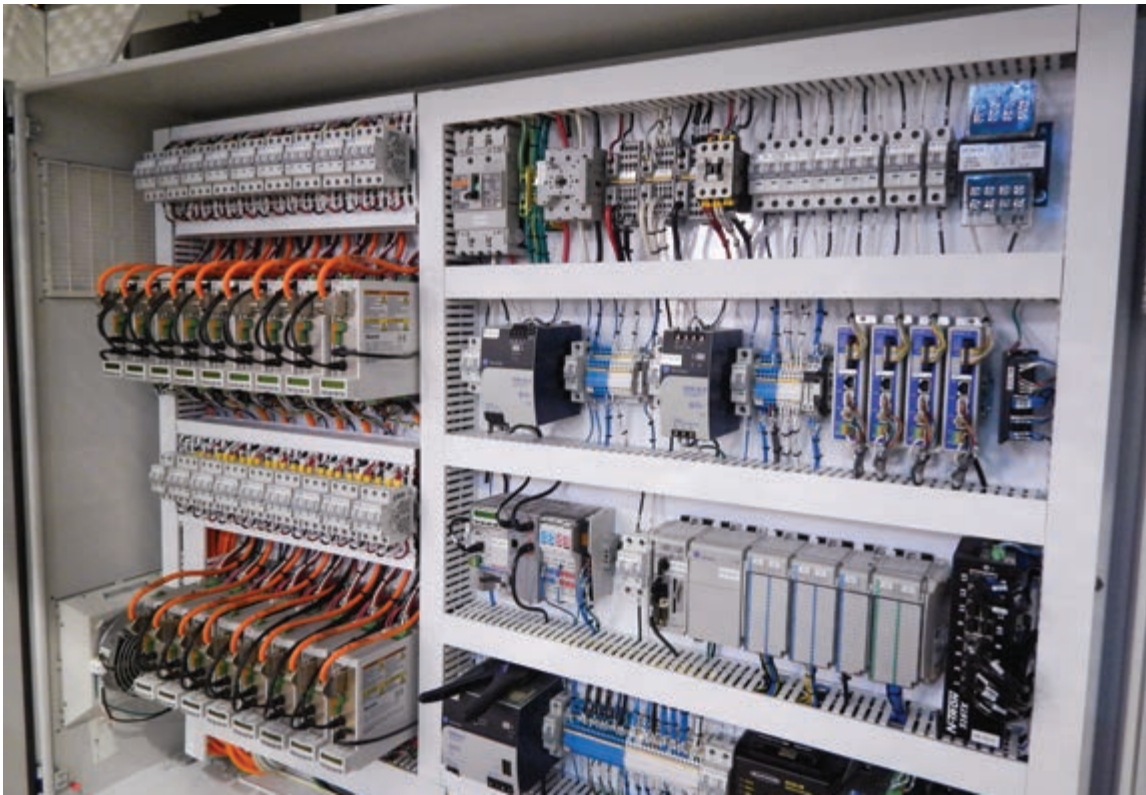
Our success is based on maximizing equipment uptime and effectiveness through deployment of nearly maintenance-free designs. We understand the needs of manufacturing environments and constantly strive to improve equipment robustness and serviceability.

ELECTRICAL ENGINEERING

Our machines feature top quality control hardware selection, organized implementation, and deployment of the industry's latest communications and techniques. Our designs minimize control wiring, reducing connection points which significantly eases troubleshooting.

SOFTWARE DEVELOPMENT

We make machine control more intuitive and easy to use. Our powerful front-end software maximizes machine control, production reporting and troubleshooting. Our machines feature an onscreen resource library with embedded manuals for nearly every installed machine component and device.



INDEXING—ROTARY & LINEAR

The most common and typically the most cost effective assembly solutions for applications with volumes requiring speeds ranging between 10–150 parts per minute (PPM). By offering both rotary and linear solutions we can provide something for nearly every application.

CONTINUOUS MOTION

Designed principally for high volume applications requiring processing speeds of 150–500 PPM, our continuous motion systems feature low maintenance, all-servo based designs. This approach provides maximum flexibility in machine sequencing allowing us to mix indexing with continuous motion by use of electronic cams.

END OF ARM TOOLING

MGS provides fixed tooling designed specifically for our customers' applications—providing precise and repeatable part handling solutions for any cavitation or application. Our EOAT systems are designed for high precision/tight tolerance applications. We build end of arm tooling for all styles and brands of robotics systems.



QUALITY CONTROL

MGS takes quality seriously and invests in resource training and equipment to perform in-house feasibility studies before ever committing to process specifications.

We have experience integrating and using the following technologies:

Electrical Testing

- Continuity
- Resistance
- Hipot
- Dynamometer

Measurement

- Absolute scale encoder, LVDT
- Laser displacement
- Optical
- Custom linear transducer
- Specialty sensors

Leak Inspection

- Pressure decay
- Vacuum decay
- Flow testing

Vision Inspection

- Cosmetic
- Measurement
- Bar code identification/read
- Feature recognition
- Mold verification—closure confirmation

Misc

- X-ray
- Weight verification
- Color check
- RFID tracking



CONTACT US

We invite you to take a tour of our automation facility. Ready to take action? Send over your RFP and allow us to prove MGS Automation is precisely the right choice.

MGS AUTOMATION—ENGINEERING FOR OPTIMUM PERFORMANCE

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Industries: Medical, Electronics, Automotive, Energy, Consumer, Industrial & Packaging