

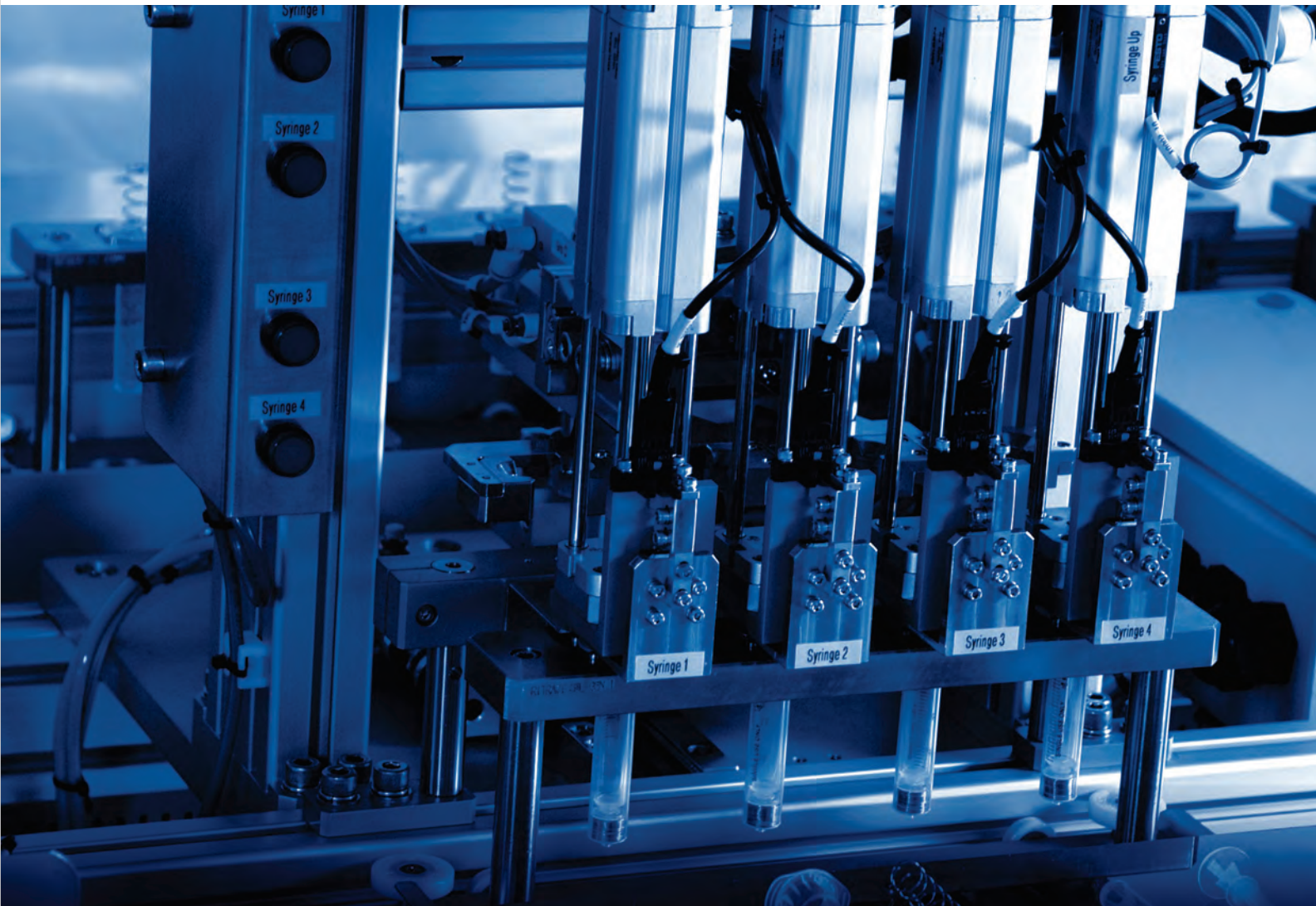
Global Solutions

Flexible Designs

Custom Assembly Automation

Systems Integration

# Life Sciences Automation Solutions



**JR AUTOMATION™**

*Think. Solve. Create.*

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## Process Expertise

In the highly regulated environment of medical and pharmaceutical manufacturing, not only are you tasked with reducing cycle time and cost, but at the same time quality and output needs to be increased.

At JR Automation, our innovative and specialized teams partner with you to navigate those challenges and transform your processes.

- Surface Treatment
- Nano Dispensing
- Digital Converting
- Laser Ablation
- Product Labeling and Packaging
- Liquid Filling
- Ultrasonic, RF, and Laser Welding
- Continuous Laminating
- Adaptive Vision Guided Robotics
- Picosecond Laser Cutting
- Gravimetric and Volumetric Dispensing





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## Product Expertise

A complex and ever-evolving industry calls for innovative thinking and quick, decisive action. With decades of life sciences and medical device manufacturing automation experience on a global scale, JR Automation delivers leading-edge solutions.

### DIAGNOSTIC PRODUCTS

- Point of Care
- Lateral Flow Assembly
- Rapid Immunoassay

### GENERAL HOSPITAL AND PHYSICIAN DEVICES

- Personal Protection Equipment
- Surgical Instruments and Tools
- Infusion Sets
- Cannula Assembly
- Medical Waste Management
- Hospital Beds

### NUCLEAR MEDICINE

### IN-VITRO PROCESSING

### EMERGENCY CARE PRODUCTS

### PHARMACEUTICAL

- Injectable
- Nasal Spray
- Oral Solid and Liquid
- Inhalers
- Fulfillment
- Biochemical and Cell Based Drug Discovery
- Pre-Filled Delivery Devices
- Drug Testing
- Transdermal Patch

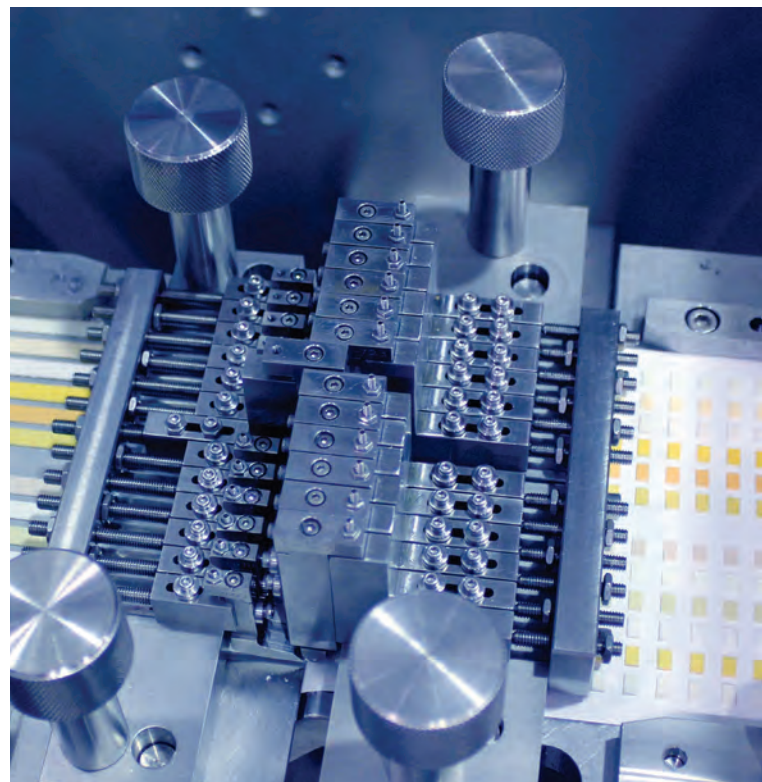
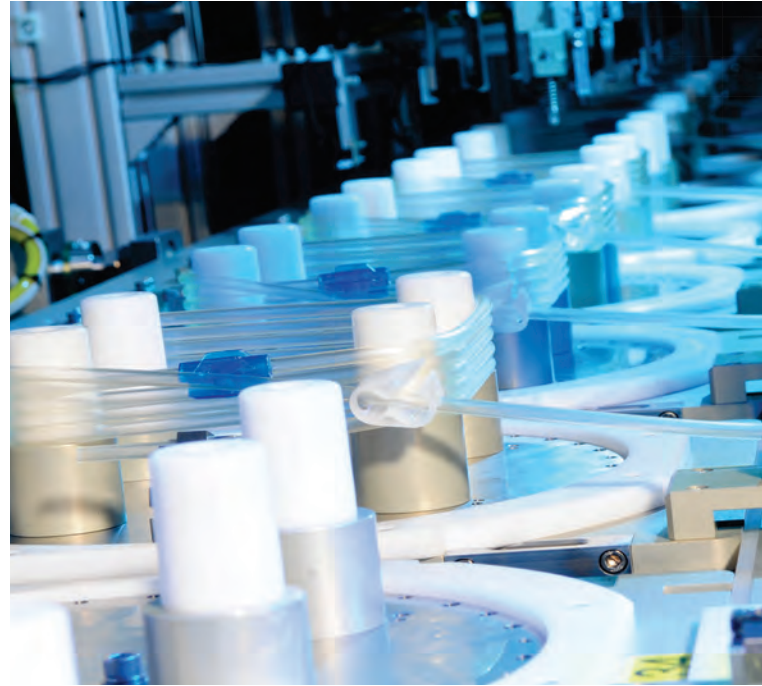
### HOME HEALTH AND CONSUMER DEVICES

- Blood Glucose Monitoring
- Wearable
- Hearing Pods

### DENTAL DEVICES

### LAB ON A CHIP

### ANIMAL HEALTH



## Holistic, Flexible, and Specialized Solutions

Each project has its own unique set of challenges and opportunities, and, like you, we thrive on bringing to our customers new perspectives and game-changing solutions.

We look at the interconnected parts of the challenge. We are innovative and collaborative, with decades of specialized life sciences expertise. We're also agile and lean, so we tailor the solution to meet your needs.

At JR Automation, we use our experience and knowledge to deliver innovative solutions, and we never give up on delivering results. That gives you the power to:

- Bring product innovations to market faster
- Create a more efficient production or delivery line
- Increase process quality
- Ensure compliance and validation
- Drive standardization across multiple locations and teams

## Medical Technologies

Design for  
Manufacturability

ISO 5 | Grade B  
Platforms

Electronic Records 21  
CFR Part 11

Die Cutting

Electronics Integration

FDA Validation

Fluid Dispensing

Laser Systems

Piece Part Feeding

Prototype &  
Process Development

Robotics

Vision Systems

Continuous Web

Welding





## Validation

In a fast-paced and heavily-regulated environment, validation is key to ensuring that a critical process or system can perform effectively.

JR Automation has the expertise to develop the validation package that will fulfill your company's needs. Our validation services are based on industry standards and regulations. We approach the validation process using our own documented procedures or yours. Our validation procedures are focused on the risk-based approach, eliminating redundant testing execution and principally testing the functionalities that could harmfully affect the quality of the finished product.

As a result, you get customized solutions that are designed and tested to meet all your needs, your way.

## LOCATIONS

HQ: Holland, MI, USA  
(7 facilities)

Stevensville, MI, USA

Auburn Hills, MI, USA  
(2 facilities)

Nashville, TN, USA

Liberty, SC, USA

Greenville, SC, USA

Ogden, UT, USA  
(5 facilities)

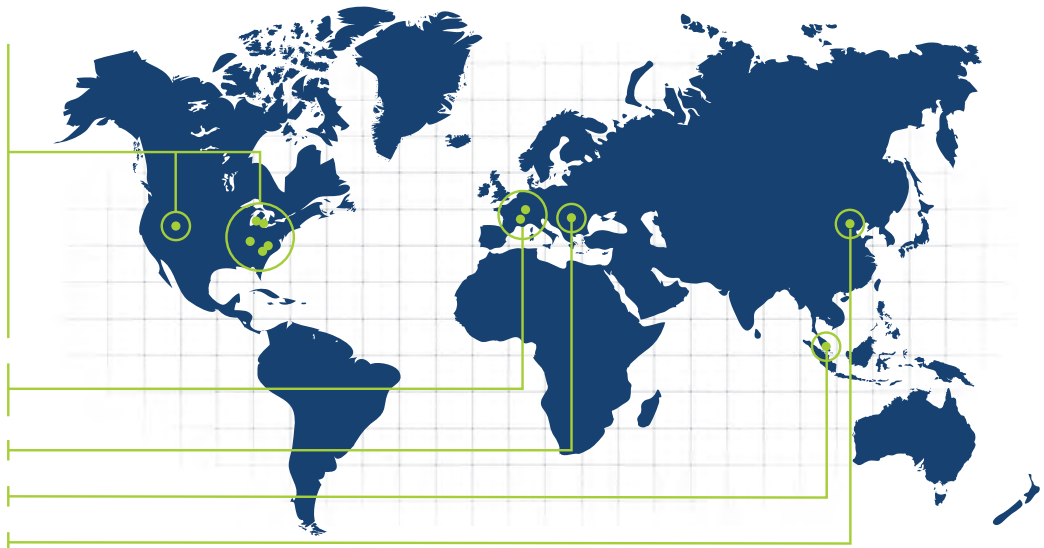
Besançon, France

Valence, France

Cluj-Napoca, Romania

Singapore

Beijing, China



## Certifications & Associations



**GLOBAL SUPPORT** With over \$600 million in annual sales and 2,000+ employees at 23 locations across North America, Europe, and Asia, we are poised to support our global customer base.

**SINCE 1980** JR Automation has designed and built the right solutions to fit customer needs for decades.

**OUR PROCESS** We focus on the customer. We're committed to being there from concept to production to ensure the speed, accuracy, efficiency, and safety of our systems.

Start building your custom solution today.  
Email us: [salesinquiry@jrautomation.com](mailto:salesinquiry@jrautomation.com)

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