

The Precision Automation Experts™



Not all automation is the same. Precision automation requires another level of expertise. Our clients partner with us to develop unique, high-precision automation solutions that ensure superior product quality at the lowest manufacturing cost. We do our best work when projects demand tolerances measured in microns (not inches), or when throughput requirements are counted in parts per second (not parts per hour). When you partner with DWFritz, we will own your problem from the initial concept to commissioning with exceptional global service to follow.

Have a challenge?
Call us at 800-763-4161 or visit DWFritz.com

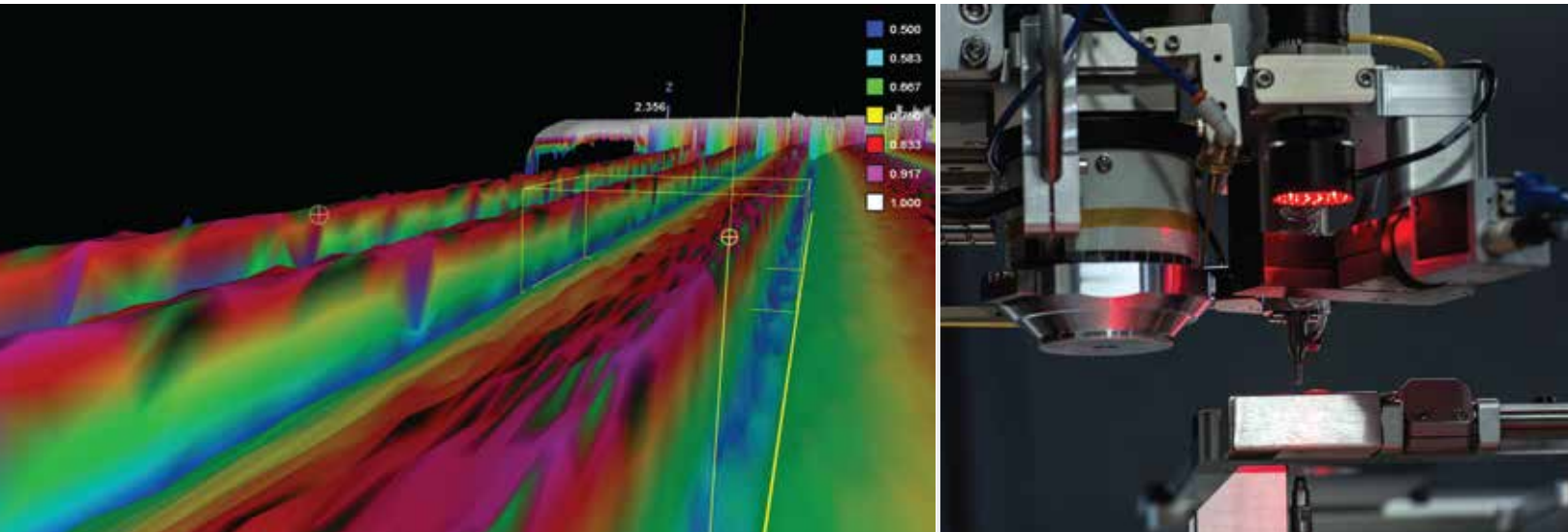
Brilliant Solutions. Brilliant Execution.™

DWFRITZ®
PRECISION AUTOMATION

DWFritz Automation designs and manufactures brilliant, custom automation systems for advanced manufacturing.

DWFE

Our Expertise - Custom, Scalable Precision Automation Solutions with Unmatched Customer Support



Our engineers solve the toughest manufacturing challenges. We do our best work when Millisecond throughput and Micron level quality are demanded.

Examples of our expertise include:

NON-CONTACT METROLOGY

- 2D and 3D Dimensional Inspection
- 3D Scanning and Height Mapping
- Optical Vision Systems
- Custom Lighting

INSPECTION

- Transparent and Translucent Materials
- Cosmetic Defects
- Coating Thickness
- Surface Finish
- Defect Detection
- Defect Classification
- Gaps and Offsets
- Color and Gloss

PRECISION ASSEMBLY

- Dispensing
- Micro Fastener Insertion
- Laser and Ultrasonic Welding
- In-situ Electrical Testing
- Excising and Attaching
- Delamination
- Laser Marking
- Wet Process
- Web Handling
- High-speed Motion Control
- Material Handling and Transport
- Class II/III Medical Device Inspection and Handling



We offer engineering services for the design/build of custom and standard-platform automation equipment, with expertise in turnkey systems engineering and project management. **Whether you need one machine or many, we help you scale your manufacturing.**

Markets

We serve an impressive portfolio of clients, including many Fortune 500 corporations. **Our primary industries are:**



CONSUMER ELECTRONICS

- Camera Modules
- Displays
- Laptops / Tablets
- Smart Phones / Mobile Devices



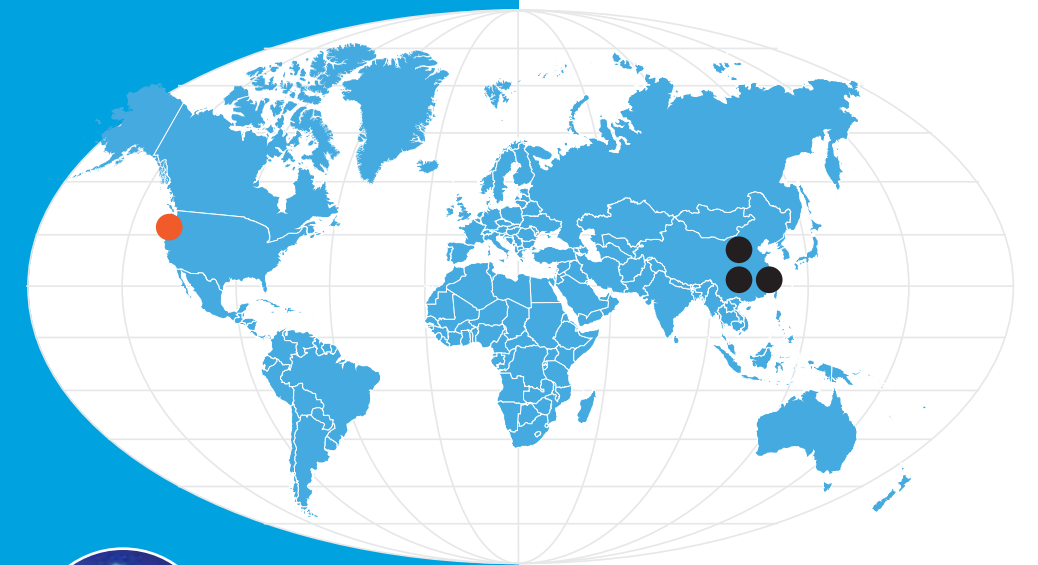
AUTOMOTIVE/ELECTRIC VEHICLES

- Battery Assembly and Test
- Power Supply
- Automotive Components



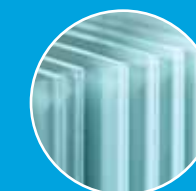
MEDICAL DEVICES

- Medical Packaging Inspection
- Catheters / Intravenous Needles
- Heart Valve Testing
- Imaging/X-Ray
- Implantable Medical Devices
- Microfluidics Medical Cards
- Surgical Instruments
- Syringes
- UDI Marking



SEMICONDUCTOR

- Custom Wafer Handling
- Custom Wafer Laminators
- Ink Jet Nozzle Plate Assembly and Inspection
- Probe Cards
- Custom Wafer Metrology



OTHER

- Flexible Substrates
- Glass Assembly

We serve and support locations around the globe including the Americas, Europe, and Asia. Our systems are shipped and installed world-wide. We also have two headquarters to better serve our clients: one in the western hemisphere and one in the eastern hemisphere.

● **US World Headquarters:**
Wilsonville, OR

● **DWFritz Automation China:**
Songjiang District, Shanghai, China

● **DWFritz WX Limited**
Wuxi, Jiangsu, China

● **DWFritz Technology (Wuxi) Limited**
Xinwu District, Wuxi, China