

Medical Turnkey Automation Solutions

High Precision Technology for Medical Device Assembly

The medical sector is miniaturizing its products, improving human monitoring and treatment systems. At the same time, an increasing number of smart functions and circuitry are being integrated inside ever smaller spaces.

XENON offers a broad range of production technologies for medical device manufacturers, as well as individual machine concepts, from semi-automations for small-batch production all the way to fully automated assembly lines.

Automation Portfolio

- Drug Delivery Devices
- In Vitro Diagnostic Devices
- Wearables

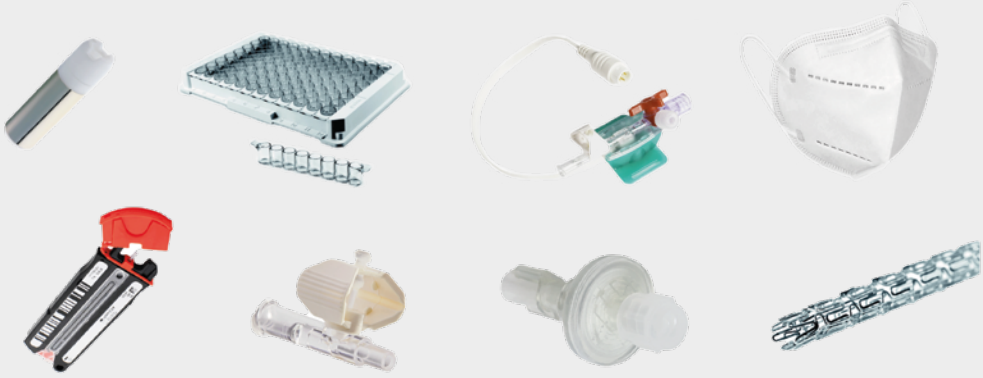
Expertise and Experience

- Professional project management of turnkey manufacturing equipment
- System Integration of 3rd party technologies and solutions
- Machine design and installation in ISO clean room environments
- Documentation, qualification and validation aligned to GMP guidelines

- Variable Module Sizes
- Modular Expandable
- Multiple Interfaces

Applications

Whether inhaler or implant: complex medical devices can be reliably assembled and validated using XENON technologies



Assembly Solutions for Medical Automation

The assembly and final testing of medical devices is an increasingly complex endeavour. XENON uses proven technology solutions based on long-term experience for our production lines. Many complex processes, such as feeding technology, software development, dosing solutions and AOI are inhouse developments of XENON.



Part-Feeding
- Flexfeeder
- Vibrationfeeder
- Drumfeeder

Handling
- High-Speed P&P
- Robots
- Cam-driven

Dispensing
- Reagents
- Solvents
- Adhesives

Welding
- Metal
- Plastic
- Non-Woven

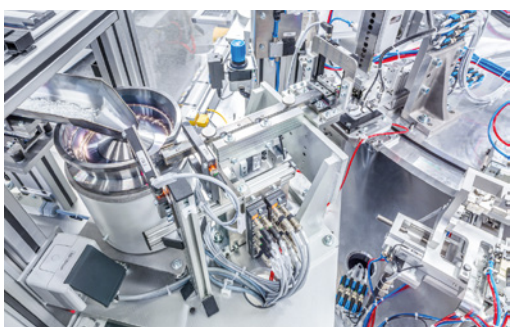
Laser
- Welding
- Soldering
- Marking

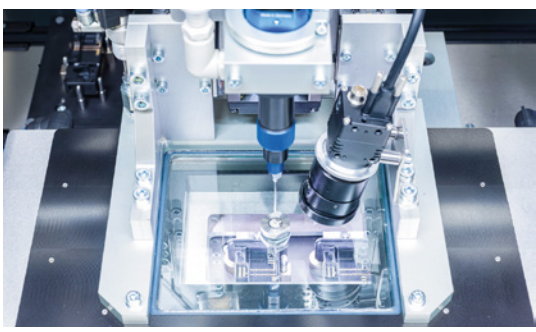
Testing
- EOL Function Test
- Optical Inspection (AOI)
- Fluid Testing

Marking
- Laser Marking
- Inkjet
- Labelling

Packing
- Tray
- Embossed SMD Tape
- Foil Pouch







Medically Validated Technologies

We understand that patient health and treatment outcomes stand at the center of all medical device manufacturing, and work with each customer to meet their medical qualification requirements. Our flexible approach and professional project management strives to keep pragmatic approaches at the center of our regulatory compliance.

Inspection Automation

Assembly Automation

Digital Services

Qualification & Validation

Robot Automation



That's automation.

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