

Assembly Automation for Smart Medical Devices

The medical sector aims to miniaturize products for improved ease of use in monitoring and treatment systems. Simultaneously, more smart functions and intelligent circuitry must fit into the smallest spaces.

For medical device manufacturers, XENON offers a wide range of production technologies and customized machine concepts, from semi-automations for small batches to fully automated assembly lines.

Assembly Portfolio



**Drug Delivery
Devices**

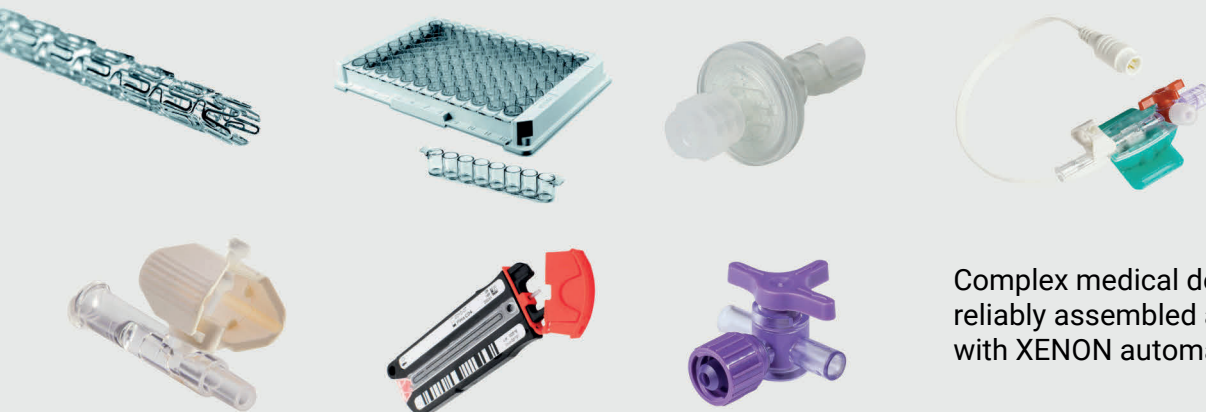


**In Vitro Diagnostic
Devices**

Expertise and Solutions

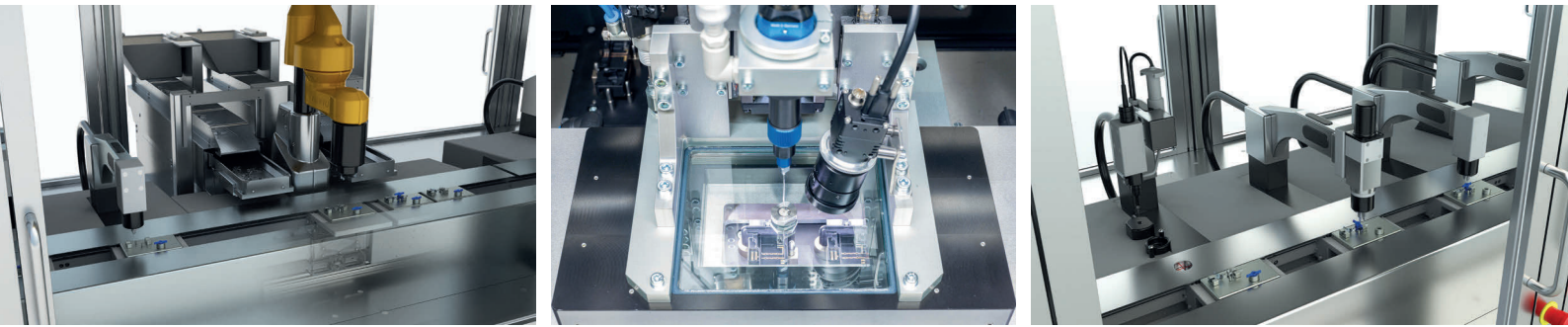
- Professional project management for turn-key manufacturing equipment
- System integration of numerous 3rd party technologies
- Application and equipment up to cleanroom class ISO 3
- Qualification and documentation is firmly aligned with GMP guidelines

Applications



Complex medical devices can be reliably assembled and validated with XENON automation lines.

The Flexible Automation Platform for the Medical Device Industry



From rotary indexing machines up to high-speed linear transfer systems – the XENON MedicalCell provides space for a variety of technologies.



Variable module
sizes



Modular
expandable



Multiple
interfaces



The scalable and variable cell
concept offers maximum flexibility
for your production requirements.

Key Automation Processes and Technologies

Feeding

- Flexfeeder
- Vibrationfeeder
- Drumfeeder

Handling

- Robots
- High-Speed
Pick & Place

Dispensing

- 2K Dispensing
- Vacuum Dispensing

Joining

- Laser Plastic Welding
- Ultrasonic Welding
- Soldering

Marking

- Laser Marking
- Inkjet
- Labelling

Testing

- EOL Function Test
- Optical Inspection
(AOI)

Packing

- Tray
- Foil Pouch
- Embossed SMD Tape

That's automation.

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