



Highest Quality, Safety and Flexibility

High Precision Assembly Technology for Smart Medical Devices

The medical sector is intent on miniaturizing its products in order to improve ease of use for human monitoring and treatment systems. At the same time, an increasing number of smart functions and intelligent circuitry need to be integrated the smallest possible space.

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

Expertise and Experience

- Professional project management for turn-key manufacturing equipment
- System integration of 3rd party technologies
- Machine design and Installation in accordance with ISO classifications
- Documentation, qualification and validation aligned to GMP guidelines

Automation Portfolio



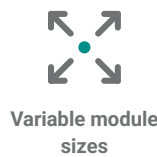
Drug Delivery Devices



In Vitro Diagnostic Devices



Wearables



Variable module sizes



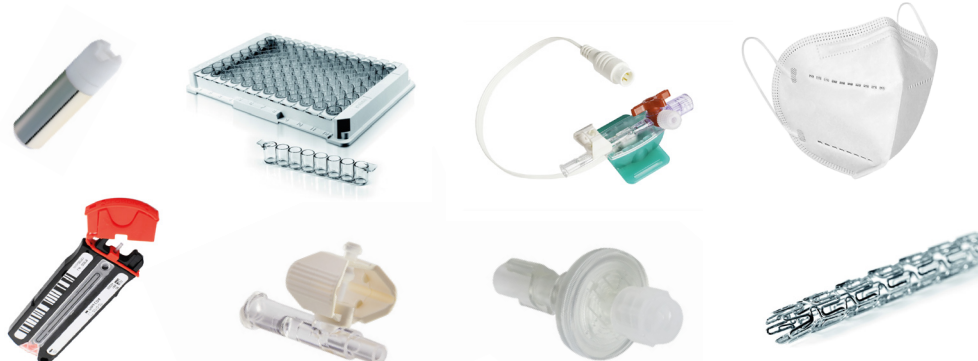
Modular expandable



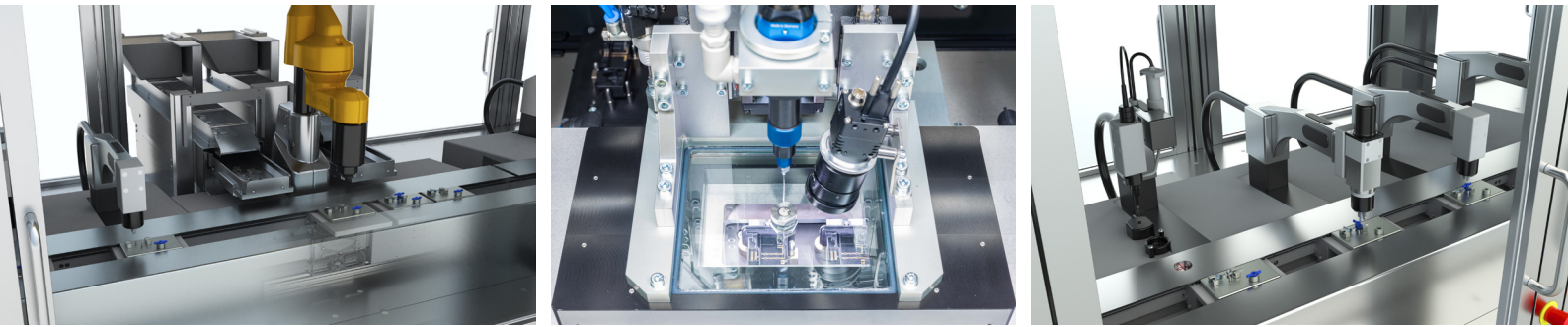
Multiple interfaces

Applications

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



The Flexible Automation Platform for the Medical Device Industry



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

Standardized Technologies

Part-Feeding

- Flexfeeder
- Vibrationfeeder
- Drumfeeder

Laser

- Welding
- Soldering
- Marking

Handling

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

Testing

- EOL function test
- Optical Inspection (AOI)
- Fluid Testing

Dispensing

- 2K Dispensing
- Vacuum Dispensing

Marking

- Laser marking
- Inkjet
- Labelling

Welding

- Metal
- Plastic
- Non-Woven

Packing

- Tray
- embossed SMD tape
- foil pouch



Assembly
Automation



Inspection
Automation



Injection Molding
Automation



Robot
Automation



Digital
Services

XENON – Your partner for Automation and Innovation

Over 35 years, XENON, as a leading German automation supplier, has been developing and building assembly and inspection lines for the automation of medical devices. Together with our international locations, we provide unique hardware and software solutions from project engineering, through manufacturing and installation, and continuing on with service and support.

That's automation.

XENON Automatisierungstechnik GmbH

Pforzheimer Straße 16
01189 Dresden
Germany

Telefon +49 351 40209-0
mail@xenon-automation.com

xenon-automation.com/medical

