

## Assembly and Test Lines for Electronic Connectors

Whether in the industrial sector (IIoT) or in consumer applications – connectors are one of the key elements for the digitalization of our world. They enable connection and are used in all areas of electronics.

Progressive networking and the resulting demand for hybrid connectors which combine power, signal and data transmission are growing steadily.

To meet this demand and the related requirements for miniaturization, modularization and reliability, a flexible, adaptable production is an essential element in staying competitive.

### Our Key Competencies

- High precision and high-speed assembly processes
- Automatic setup stations for a high number of product variants
- AOI of complex assemblies
- Broad testing expertise for consistently high product quality
- Smart process data management



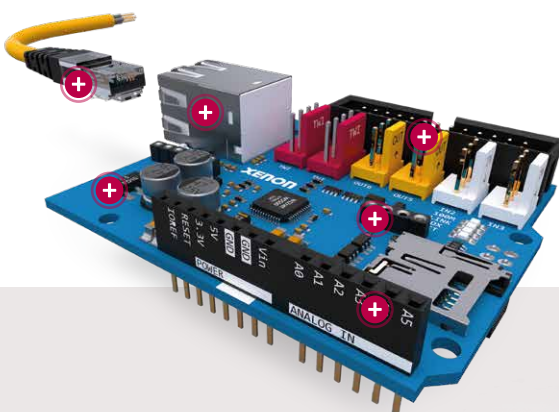
Product Development Support



Responsibility as General Contractor



External System Integration



### Customer Products

- Industrial Ethernet Connectors
- 5G Network Adapters
- RF Coax Connectors
- Pin and Stacking Bars
- Socket Connectors
- SMD Connectors



## Connectors Assembly Portfolio

### Signal & Power Connectors / Hybrid / Coaxial RF Connectors & Adapters

XENON assembly and inspection solutions for standard and high-frequency connectors covers the most important applications – for any kind of size, function or technology.

- Wire-to-Wire/Inline
- Wire-to-Board/PCB-Header
- Board-to-Board

## Assembly Solutions for Smart Connectivity

The assembly and testing of connectors is demanding. Based on over 30 years project experience, XENON uses proven technology solutions for the realization of production lines. All basic elements such as automation platform, processes, feeding technology or software are inhouse developments.



## Key Automation Processes for Connectors

### Feeding/Separation

- Flexfeeding
- Trayfeeding
- Vibration Bowl Feeding

### Insertion

- Pick and Place
- Cam-Controlled Assembly
- Robot Handling

### Pre-/Final Assembly

- Press-Fit Connection
- Contact Assembly
- Contact Bending

### Testing

- Leakage Test
- Optical Test
- Functional Test

### Identification

- Labeling
- Lasering
- Marking



Worldwide leading companies rely on XENON automation systems

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**That's automation.**

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