

# E2E NEXT

## New smart inductive sensors

**Highest detection range** by size

**Designed with IO-Link** -providing intelligence into the field level

**Standardized design** one-size model with single, double, triple and quadruple range

**High-brightness LED**, visible anywhere from 360°



**Standard**

**Premium**

**Stable detection for CFRP material**  
(Carbon Fiber-Reinforced Polymer)

**Extended temperature range & IP69K** compliant for water resistance and wash resistance

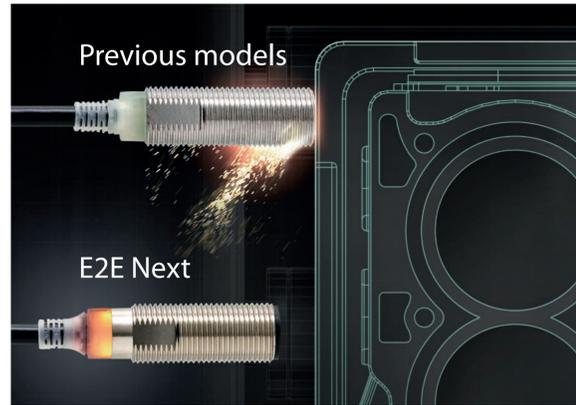
Cable models with enhanced oil resistance **IP67G**

**UL, CSA & EAC certification**

**Easy replacement** with e-jig accessory

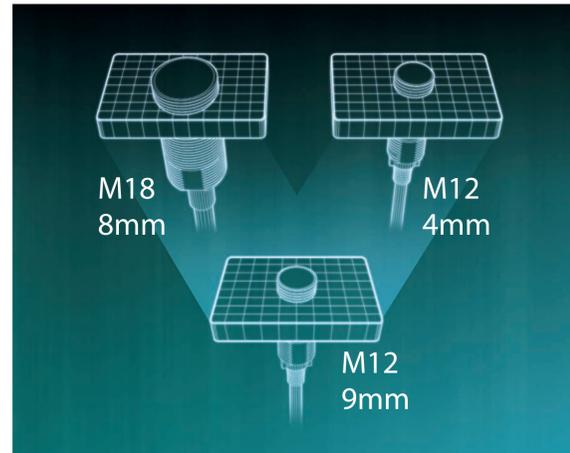
# E2E NEXT Product Highlights

## Increasing design flexibility



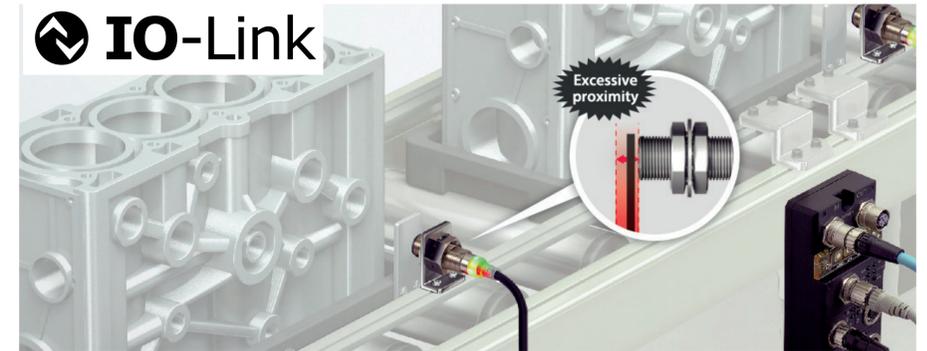
E2E Next series offers easy design and installation, thanks to four different ranges. Additional space reduces collisions & malfunctions.

## One-size model



Standardized design with a single one-size model and extended detection range.

## Predictive maintenance



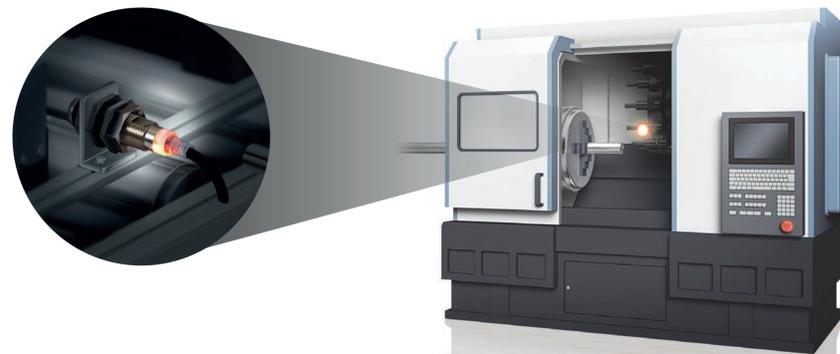
Thanks to IO-Link, the product code can be checked. Easier maintenance task by the possibility of remote troubleshooting, monitoring, or commissioning. Unique information as excessive proximity or remoteness reduces the number of malfunctions.

## Best performance for CFRP materials



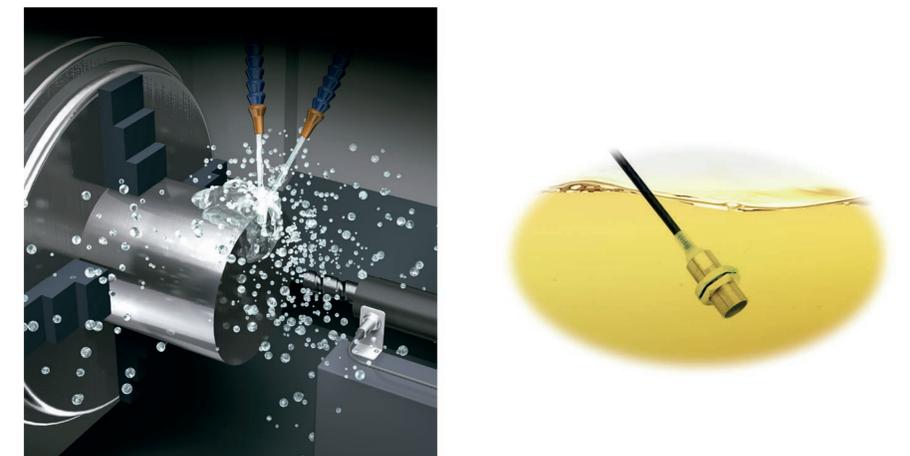
Unique behaviour thanks to extended sensing range to detect CFRP material (Carbon Fiber-Reinforced Polymer).

## High Visibility



All around high-brightness LED that is more luminous and visible than those in previous models. The indicator is visible from all angles, reducing the time required for operation checks.

## Robustness



Extended temperature range and high IP degree IP69K & IP67G enable robust facility design.

# E2E NEXT Application areas

The inductive sensors are responsible for detecting the positioning of metal parts. They can also be used in any machine and application to detect mechanical moving parts of the machinery.

Common markets for inductive sensors are automotive and Machine tools where metal detection is always needed, but we can find applications for the inductive sensors in any other industrial segment.

### Machine-tool

The main image shows a large industrial machine tool, likely a lathe or mill, with a control panel on the right. Below the main image are two smaller inset images: the left one shows a metal part being cut with a tool, creating sparks; the right one shows a metal part with a red circle highlighting a specific feature, likely where an inductive sensor is used for detection.

### Automotive

The image shows a close-up of an automotive engine block on a production line. Several inductive sensors are mounted on the machinery, connected by cables, to detect the position of the metal parts.

### Food & Commodities

The image shows a conveyor belt in a food processing plant. The belt is filled with many small, yellow, round items, possibly dough balls or small pastries, moving through the machinery.

### Machinery

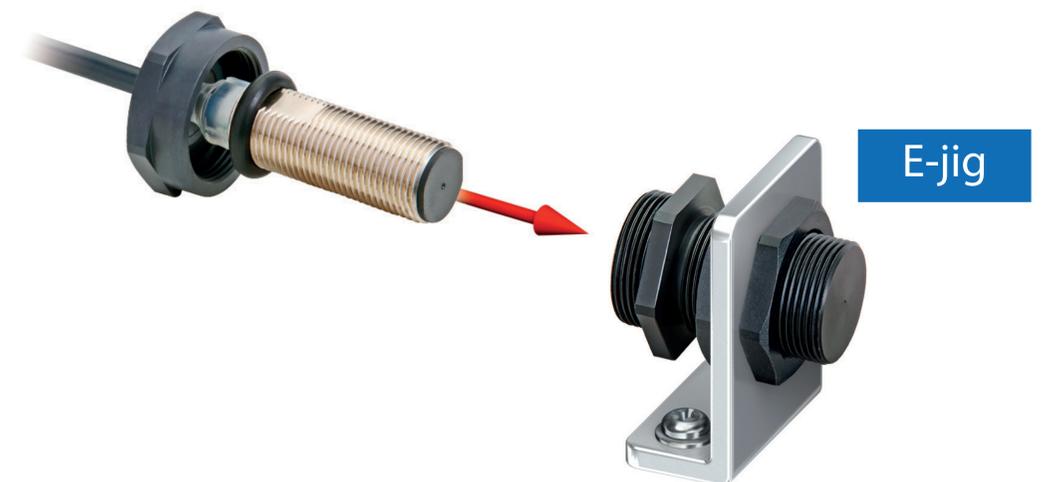
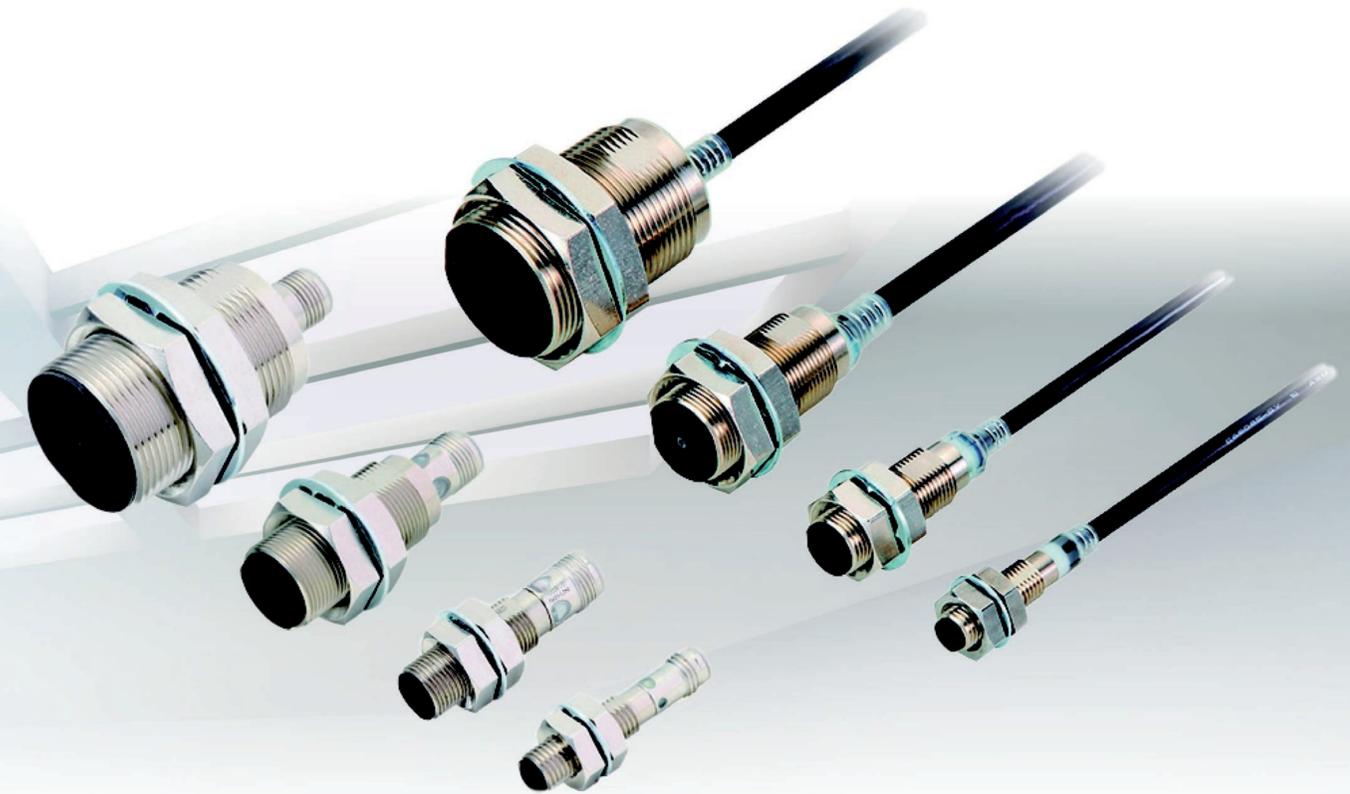
The image shows a person in a blue suit using a tablet to interact with industrial machinery. The scene is filled with sparks and bright light, suggesting a high-temperature or high-speed manufacturing process.

### Conveyors

The image shows a person's hands moving cardboard boxes on a conveyor belt. The boxes are brown and rectangular, and the conveyor belt is made of metal rollers.

# E2E NEXT Additional features

- Stable detection even for small or complex metal parts
- Instability alarm to avoid false detection due to equipment vibration
- Target too close alarm to increase product life by predictive maintenance
- Internal temperature control to prevent malfunctions
- Much higher range by size, thanks to triple and quadruple models.  
Unified specifications to support stock reduction
- Allows you to standardize your design with a single one-size model
- All models are available with a spatter-resistant coating
- IO-Link enables real-time identification of the site and substance of sensor failure from a single location, enabling predictive maintenance
- Fastest IO-Link communication COM3 (230,4Kbaud)
- The latest certification for the US market, simplifies the export and certification process
- Easy and fast to mounting and replacement thanks to e-jig accessory

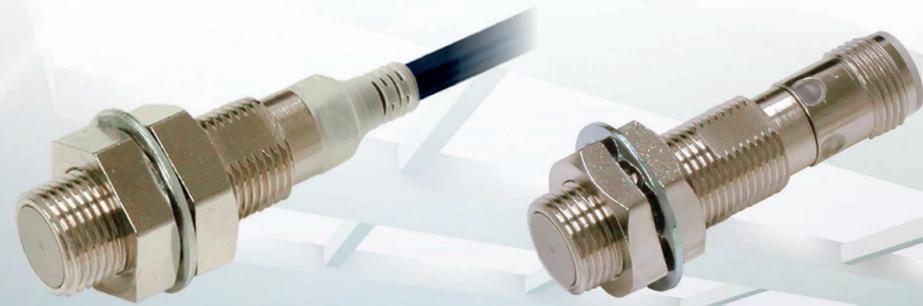


# E2E NEXT Portfolio

Selection guide

STANDARD models

Single or double sensing distance



PREMIUM models

Triple or quadruple sensing distance



Product name legend

E2E	_____	X	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
	<u>Case</u>		<u>Range</u>	<u>Shielding</u>	<u>Output</u>		<u>Body</u>		<u>Size</u>		<u>Connection</u>	
	Blank Standard		1.5 mm	Blank Shielded	B1T PNP NO		Blank Short	8	M18	2M	2m cable	
	Q Spatter-resistant		...	M Unshielded	B2 PNP NC		L Long	12	M12	5M	5m cable	
			50 mm		B3D PNP NO/NC			18	M18	-M1	M12 connector	
					C1 NPN NO			30	M30	-M3	M8 con. 4Poles	
					C2 NPN NC					-M5	M8 con. 3Poles	
					C3 NPN NO/NC					-M1TJ	M12 pigtail con.	
					D1 2wire NO							
					D2 2wire NC							