

ULTRASONIC SENSORS -XL

ULTRASONICS XL

AT A GLANCE

- **Technology XL** – In-house ultrasonic transducer development and production
- **Portfolio XL** – The largest range of ultrasonic sensors for factory automation
- **Experience XL** – Top team of ultrasonic sensor specialists
- **Innovation XL** – Designed to solve any application challenges

- Long-range detection of all solid, liquid and granular targets
- Sensing ranges to 6 m
- 12 mm, 18 mm, 30 mm diameter, as well as rectangular housings
- Multiplex and synchronize ability for multiple sensors
- Discrete or analog outputs
- Special models for sheet, splice, and label detection
- Teflon-coated models for chemical resistance



The Leader in Double Sheet Detection Technology

Pepperl+Fuchs continues to set the standard with our double sheet detection technology designed for a wide range of process applications. Our 18 mm diameter double sheet detectors identify misfeeds of a variety of media, including paper, cardboard, thin plastic, foil, and labels.

Double sheet detectors are IP67 protected and provide a highly accurate and low-cost method of detecting zero, one or two sheets of material. The sensors feature a TEACH mode, and the detection threshold is easily adjusted to the appropriate material thickness for each specific application. Additionally, they are insensitive to printing, colors and glossy surfaces; even transparent materials can be monitored without sacrificing any accuracy. Changes in ambient conditions are compensated for automatically.