

OMRON

solution GUIDE

High Speed Labeling Machine

Detect the presence of bottle, carton, or packaging before applying label or confirm label placement positioning

Key Features

- Analog & Dual Output E3NX-FA amplifier available
- Achieve mutual interference between up to 10 different units, connect up to 30 amplifiers for reduced wiring
- Network compatibility for data management
- Over 500 different fiber head to accommodate for any setup/ detection requirements

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Challenges:

- Increase demand for faster line speed, sensor unable to output in time, causing missed parts
- Issues with sensor repeatability on shiny & highly reflective labels
- Frequent changes to packaging, requiring repeated recalibration of sensor

Why E3NX-FA for High Speed Labeling Machine?

- E3NX-FA includes a 30 μ s response time to keep up with increasing line speed demand
- Equipped with 5 different tuning methods to dial in over light attenuation that occurs from shiny and reflective surfaces
- Switch between up to 4 banks to accommodate line changeover in packaging

Part Number	Description
E3NX-FA6	Standard model, NPN output, wire saving connector, 1 output
E3NX-FA21 2M	Advanced model, NPN, 2 m cable, 2 outputs + 1 input
E3NX-FA24	Advanced model, NPN, M8 connector, 1 outputs + 1 input
E3X-CN11	2m cable for E3NX-FA6
XS3F-M421-402-A	M8 connector cable, 2m
E3NW-ECT	Fiber master for EtherCAT communication