



Accurate Autotuning without Target to the Semiconductor Market

Yamatake was the first to offer Background Light Recognition and Clear Material Operational training modes where the hysteresis and light level will be set correctly without the need for target materials to be used for training.

Applications

Die bonder
Wire bonder

Features and Benefits

Background Recognition

Setting Possible

- The sensor can be easily trained with one touch of the tuning button to recognize the light level of the background in the application and will automatically set the gain and hysteresis level so that the background will NOT be recognized and that lead frames or gold wires in the viewing area WILL be recognized.

Clear Material Setting Possible

- All autotuning fiberoptic products have either an option or have incorporated as standard the ability to determine the "no target present" light receiving level and automatically adjust the gain and hysteresis to detect any increase in light that would accompany clear materials. This minimizes the difficulty of training the sensor with the "hardest to detect" target.

Yamatake Products

Gang-mounted fiber optic photoelectric sensor: **HPX-ET Series**

Gold/L/F detection co-axial reflection type fiber: **HPF-D035**

L/F detection reflection type array fiber: **HPF-D026**

Gang-mounted autotuning type fiber optic photoelectric sensor: **HPX-ET Series**

Autotuning type fiber optic photoelectric sensor: **HPX-T Series** (option), **HPX-ET Series** (std) and **HPX-NT Series** (std)

