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TT electronics
OPTEK Technology

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LONG RANGE OPTICAL SWITCH FOR CONVEYOR SYSTEMS

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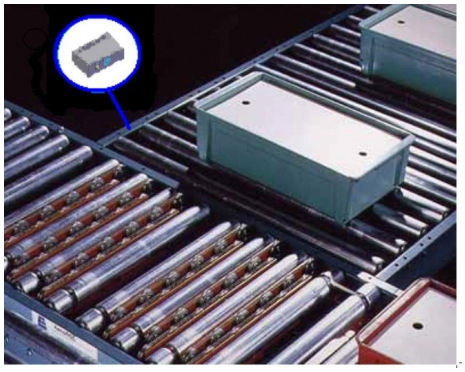
Accumulation Conveyor Application

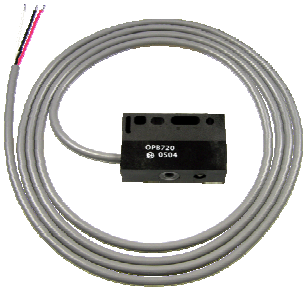
Accumulation Conveyors provide a way to transport packages on the conveyor until given a release signal. By preventing contact between packages, accumulation conveyors not only prevent packages from colliding with each other, but also prevent jams along the line.

Accumulation Conveyor Requirements



A typical accumulation conveyor is divided into sections. Each section contains an actuator and a sensor. The actuators are controlled by a central unit, which gathers information from the sensors. Unlike mechanical sensors, optical sensors provide the optimal sensing solution because its operation is not affected by the weight of the target object, and the sensor lifetime is independent of the mechanical use.

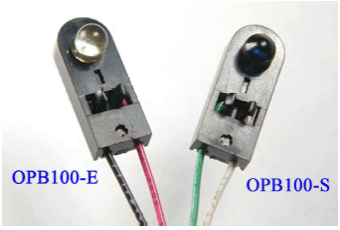
The sensor solutions from OPTEK



The OPB720, Long Distance Reflective Switch

- Reflective or interruptive mode.
- Detection distance from 0.04” to 24” reflective mode, 3 to 10 feet interruptive mode.
- Compact plastic package.

The OPB100 Sensor Pair



- Best performance in an interruptive mode.
- Variable sensing distance up to 1 meter.
- Integral universal mounting clips.

Easy installation and maintenance.
Custom designs also available.

OPTEK Technology is a leading provider of custom sensing solutions which incorporate the use of infrared, visible light, magnetic and fiber optic technologies focused on applications in office machines, industrial equipment, encoders, automotive electronics, military and high-reliability applications and medical diagnostic equipment.