

Application

Inspection of drill holes on stamped metal for presence verification.

Industry

Metalworking Machinery
Plastics Machinery
Special Machinery

Application Overview

Products require verification of proper hole presence and orientation. This task is easily accomplished through the use of MINOS photoelectric sensors.

Application Challenges

This application is problematic in that the plate is very thin, and is laying flat on a conveyor. As a result, it can be difficult to determine the difference between the plate (which is to be ignored) and the conveyor.

Solution(s)

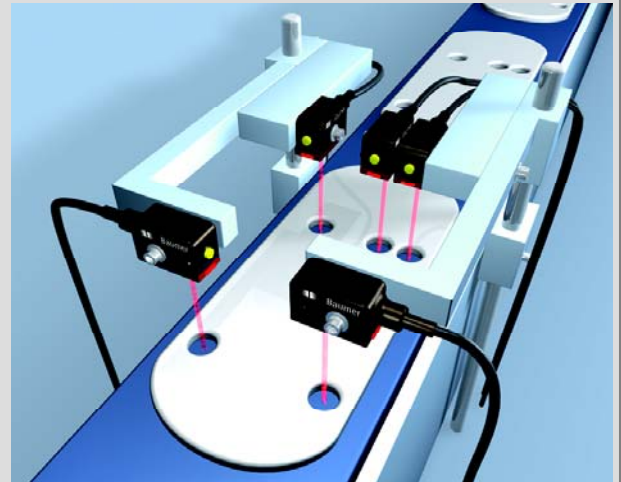
MINOS sensors with background suppression solve the challenges. Their ability to determine between foreground and background objects, coupled with their small size, make them ideal for such an application.

Examples include the following:

FHCK 07P6901 2-60mm adjustable range, rear-exiting cable
FHDK 07P6901 2-60mm adjustable range, bottom-exiting cable

Supporting Documentation

- Baumer Sensor Solutions Catalog, pages 248 and 250
- Baumer Website: [FHCK 07 Series](#) and [FHDK 07 Series](#)



MINOS 07 Series sensors used to detect proper presence and orientation of holes on plate.

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