

Application

Detection of color code registration marks on plugs.

Industry

Automated Assembly Machinery
Pick-and-Place Machinery
Special Machinery

Application Overview

A pick-and-place machine uses small plugs as one of the components in its build. The plugs contain color codes, which must be verified to ensure the proper components are installed.

Application Challenges

The color codes are very small and close together. Additionally, four plugs must be checked simultaneously.

Solution(s)

The *LOGIPAL* color sensor can sense the small color codes, precisely measuring one versus another. The sensors can be mounted side-by-side with no mutual interference.

Examples include the following:

FKDM 22P1901/S14F, *LOGIPAL* PNP 4-channel sensor
FKDM 22P1902/S14F, *LOGIPAL* PNP 2-channel sensor
FKDM 22P1911/S14F, *LOGIPAL* PNP 4-channel long-range version

Supporting Documentation

- Baumer Sensor Solutions Catalog, pages 542, 543, and 544.
- Baumer Website: [LOGIPAL 2-channel](#), [LOGIPAL 4-channel](#), and [LOGIPAL long distance](#)



LOGIPAL color sensor detects color codes on plugs.

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