

Application

Height comparison check on shafts in automated assembly machine.

Industry

Automated Assembly Machinery
Special Machines

Application Overview

Shaft insertion must be verified to ensure proper assembly of components.

Application Challenges

Shafts are small in diameter, and measurement must be very precise.

Solution(s)

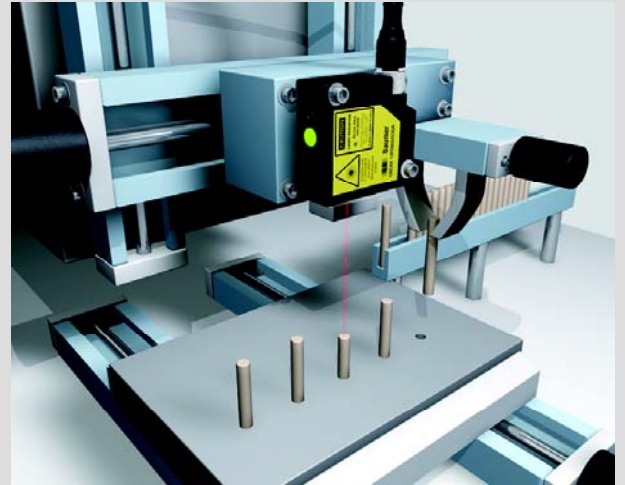
A difference sensor can compare all shafts against a baseline measurement, and provide output when any shaft deviates from acceptable placement.

Examples include the following:

- OBDM 12P6930/S35A, difference sensor, PNP, with tolerance band
- OBDM 12N6930/S35A, difference sensor, NPN, with tolerance band
- OBDM 12P6950/S35A, difference sensor, PNP, with 2-point comparison
- OBDM 12N6950/S35A, difference sensor, NPN, with 2-point comparison

Supporting Documentation

- Baumer Sensor Solutions Catalog, pages 239 and 241.
- Baumer Website: [Tolerand Band](#) and [2-Point Comparison](#).



OBDM 12 Series difference sensor compares heights of varying shafts.

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