

Application

Detection of cable splices to provide cutting points in an assembly process.

Industry

Automated Assembly Machinery
Special Machinery

Application Overview

Cable is fed into a machine for use in component assembly. When splices occur, they must be cut from the line and a new run begun. The splice must therefore be detected.

Application Challenges

The cable moves quickly, and the difference between spliced cable and non-spliced is very slight.

Solution(s)

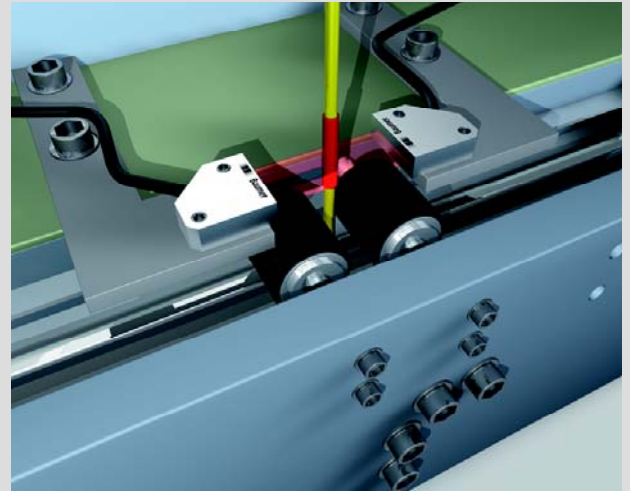
Through-beam fiber array can check the diameter from both sides, providing precise detection of changes in diameter.

Examples include the following:

- FSE 200C6Y00, plastic fiber optic array
- FVDK 10P83Y0, PNP fiber optic amplifier

Supporting Documentation

- Baumer Sensor Solutions Catalog, pages 464 and 472
- Baumer Website: [FVDK 10P83Y0](http://www.baumer.com/FVDK_10P83Y0)



Through-beam fiber optic array senses splices by detecting changes in diameter.

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