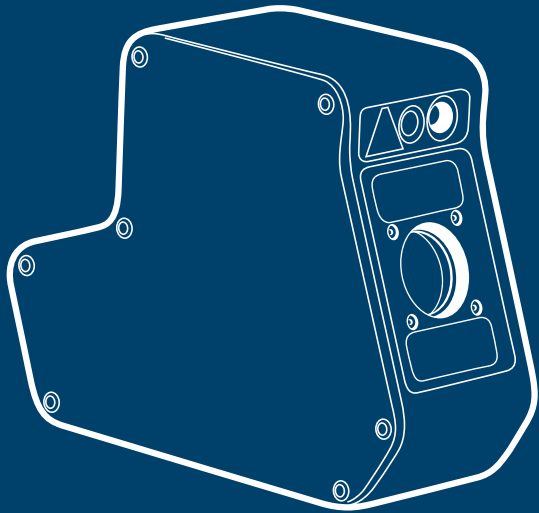


We DEVELOP



GAP ROBOT

Automated gap and flush measurement station
suitable for flexible lines

Main advantages

- 100 % production inspection
- Flexibility for adding new measures
- Robot-independent: communication protocols available with most robots (ABB, Comau, Fanuc, Kuka, Staubli)
- Automatic adaption to colour regardless of the type of material
- Non-contact reference positioning of doors using a vision algorithm
- Complete reports: local database with data export to standard and custom software
 - Saves data for up to 45,000 products
 - Data handling: Pareto, sliding window, histogram, data export in standard and custom formats
- Using the same platform as Testia's static or ad-hoc measurement systems
- Complete reporting solution: local database or remote PC
- Optimised measurement time by avoiding robot downtime
- Simultaneous gap and flush measurement

Benefits

- Rapid detection of process drift
- Traceability
- Savings in new product development process costs (system set up in pre-production)

Applications

Assembly of milled or corrugated sheets

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GAP ROBOT

Automated gap and flush measurement station
suitable for flexible lines

Features

- Sensors: interchangeable, designed for industrial environments.
- Mounted on a robot arm
- Air-conditioned electrical enclosure containing: industrial PC, image processing and video acquisition boards, boards for communication with the production line PLC and plant network
- SPC: SQL database designed to analyse a maximum number of criteria in minimum time. Variety of export formats available

Technical specifications

Over 70 measurement points per product

Resolution: 0,01 mm

Repeatability: 0,007 mm

Gap: 0,5–20 mm

Flush: -15–15 mm

Measuring time/point: < 20 ms

