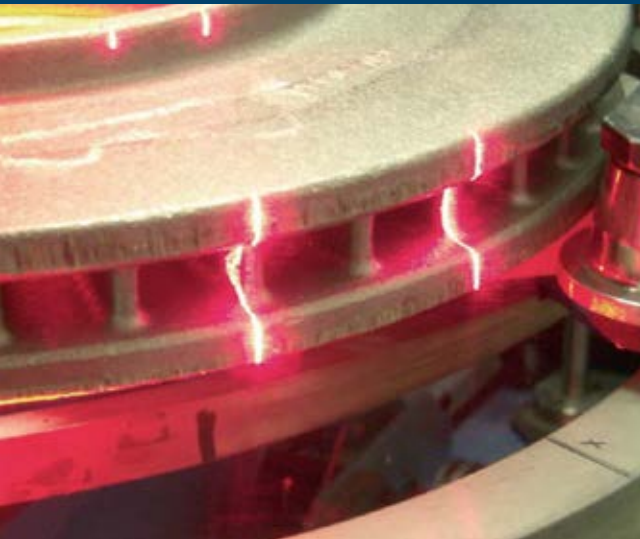


We DEVELOP



3D CAST-B

Inspection system for brake discs
surface inspection & geometrical inspection

Available in several versions: in-line configuration compatible with machine cycle times & carousel configuration for very high inspection rates.

Main advantages

- 100% non destructive and reliable inspection of the whole production
- Reliable and repeatable defect recognition
- Optimisation of upstream and downstream processes
- Highly flexible in operation
- Easy implementation, easy parameter setting of inspections and series
- User friendly interface and adaptable system

Benefits

- Inspection of 100% of the production to achieve significant quality improvement
- Cost reduction associated with products returns
- Productivity gains
- Analysis of the process performance and production optimisation
- Traceability tool (linked to the mould number, for example)

Applications

Quality control of raw cast or machined brake discs, and sand cores for fins.

Integration into the production environment:

- Part inspection after casting and before shipment to the machining shop
- Part inspection after machining and before shipment to the assembly shop

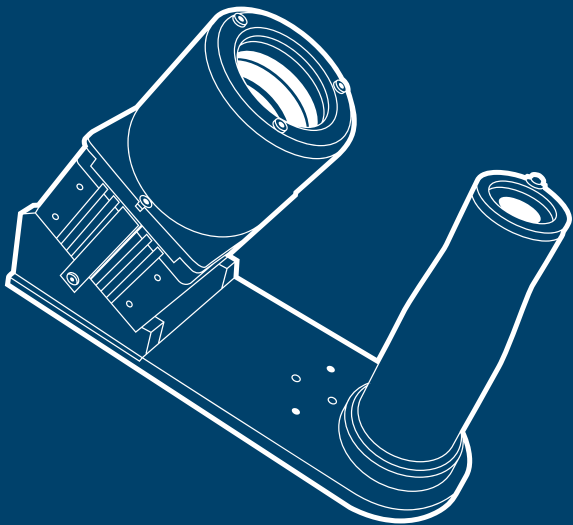
Detection on external surfaces and in ventilation channels of:

- Material voids
- Excess material and flashes
- Porosity
- and more

Measuring process defects:

- Mould offset
- Sand core defects
- Symmetry of ventilation channels
- and more

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Technical specifications

Accuracy : 0.1 mm

Repeatability : 0.01 mm

Unlimited measuring points

Features

- Interchangeable and designed for use in a hostile environment such as a foundry and tooling workshops
- Attached to digital line or robot
- Air conditioned computer cabinet containing industrial PC, image processing card, video interconnection cards, and interface cards for connections to line controller and factory network
- SPC: SQL database designed to analyse a maximum number of criteria in minimum time. Variety of export formats available

