



GQS

QUALITY CONTROL SYSTEM



Special features

- 100% quality inspection of carbide tips on circular saw blades
- Cleaning of the saw blades
- Optical measuring and checking of brazed and ground saw blades
- Few interchangeable parts for changeover, short setup times
- Changeover mainly by data input into the machine control
- Industrial PC with touch screen and state of the art machine control technology using WINDOWS

Technical description

- Programming of the saw data and saving in a database
 - The saw blade is positioned according to diameter and rake angle in the control position
 - The saw blade rotates and every tip is inspected by cameras from different views
- Inspection:
- Measuring of rake angle
 - Measuring of centre position of the tip
 - Measuring axial angle
 - Control of tip position
 - Control of tip orientation
 - Control of hardness failures on the saw body
 - Control of the solder seam
 - Control of broken tip edges

- Tolerances for every inspection feature
- The faulty checkpoints can be marked by a colour dot
- The controlled saw blade is separated by a handling system in a magazine for good or faulty parts (Option)

Technical data

- Diameter of saw blades: 160 – 800 mm
- Special Ø: up to 1600 / 2200 mm
- Rake angle: -10° bis $+30^{\circ}$
- Tip width: 1.5 – 7 mm
- Tip length: 3.5 – 13 mm
- Machine dimensions: 1300x1200x1900 mm (LxWxH)

Options

- Robot system
- Remote maintenance
- Marking system

Special design on request