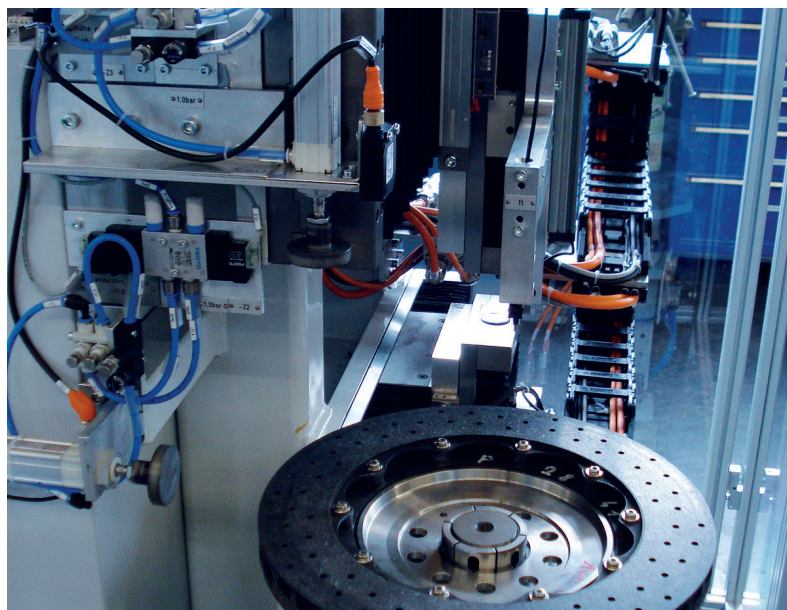


BRAKE DISC TESTING

We develop complete solutions for measuring, testing and assembly systems from the design to the final production, assembly and commissioning.

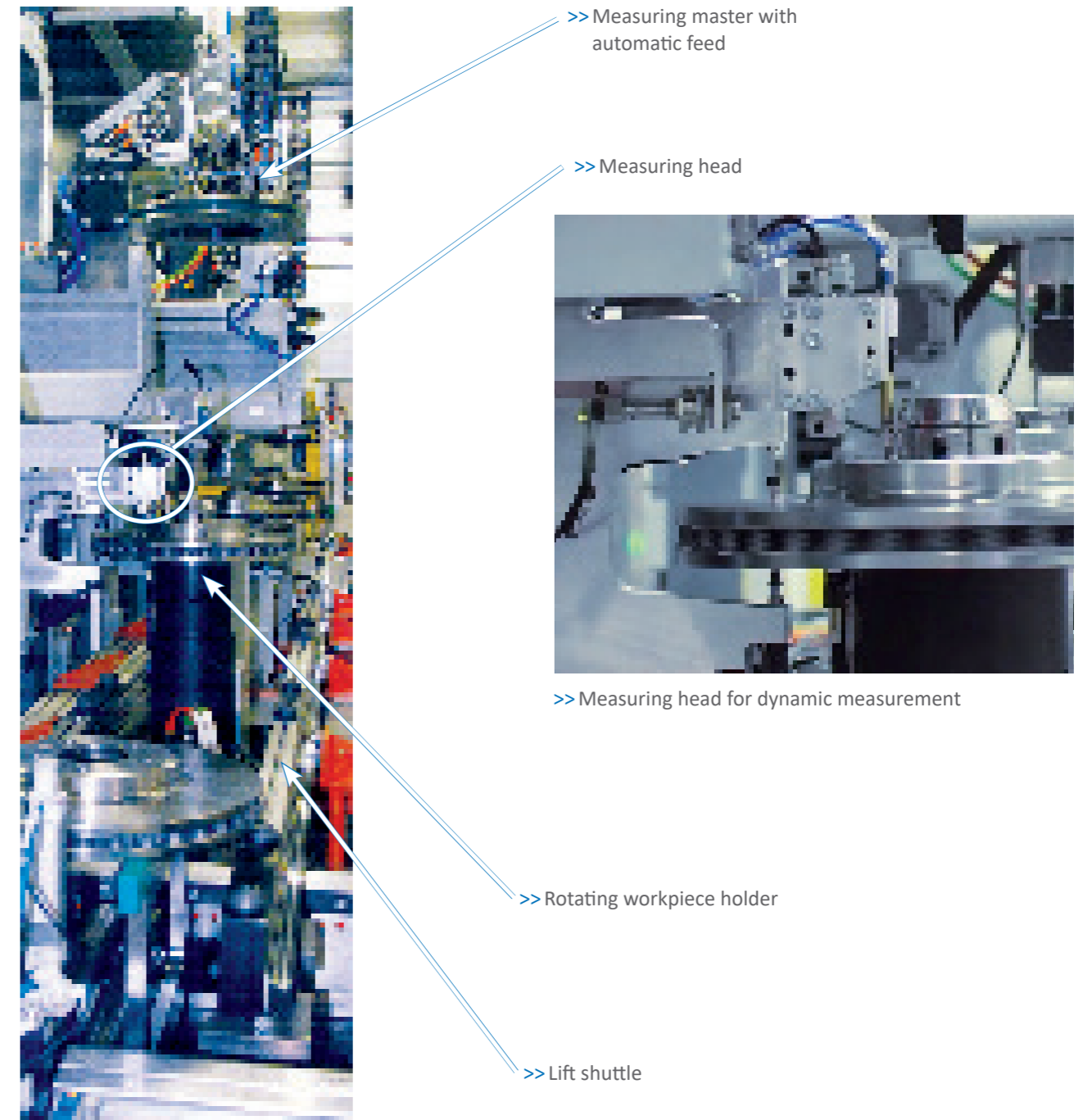
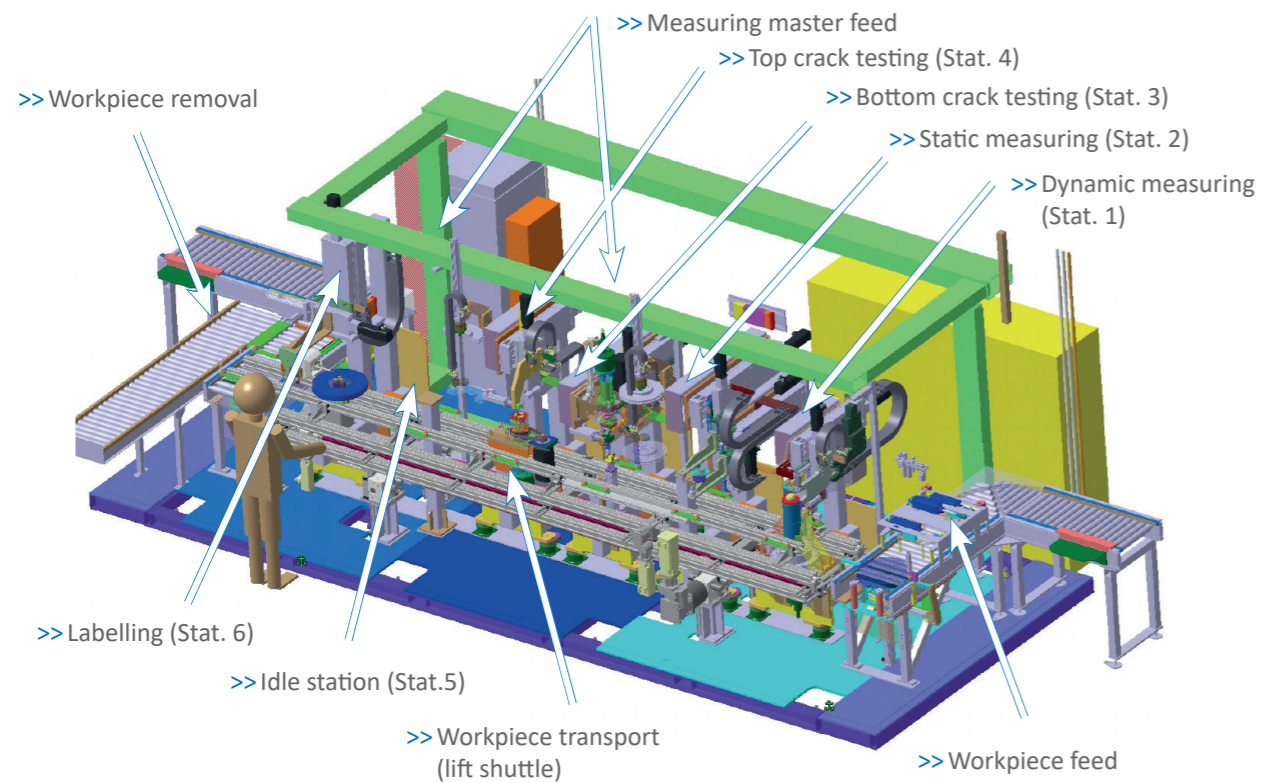
**See the difference for yourself. NMH –
Innovation is our world**



Fully-automatic system for

BRAKE DISC TESTING AND MEASUREMENT

- >> "One-piece flow" brake disc feed by roller conveyor
- >> Brake disc separation and preparation
- >> Transport between stations by automatic lift shuttle
- >> Fully-automatic equipment with type specification via control unit
- >> Static and dynamic measurement of brake discs in the μ -range
- >> Crack test from above and below
- >> Brake disc labelling
- >> Automatic measuring master feed and measurement
- >> Sorting out of NOK parts
- >> QA with operating data recording connection via central control computer system



WHEEL HUB TESTING

Fully-automatic system for wheel hub measurement

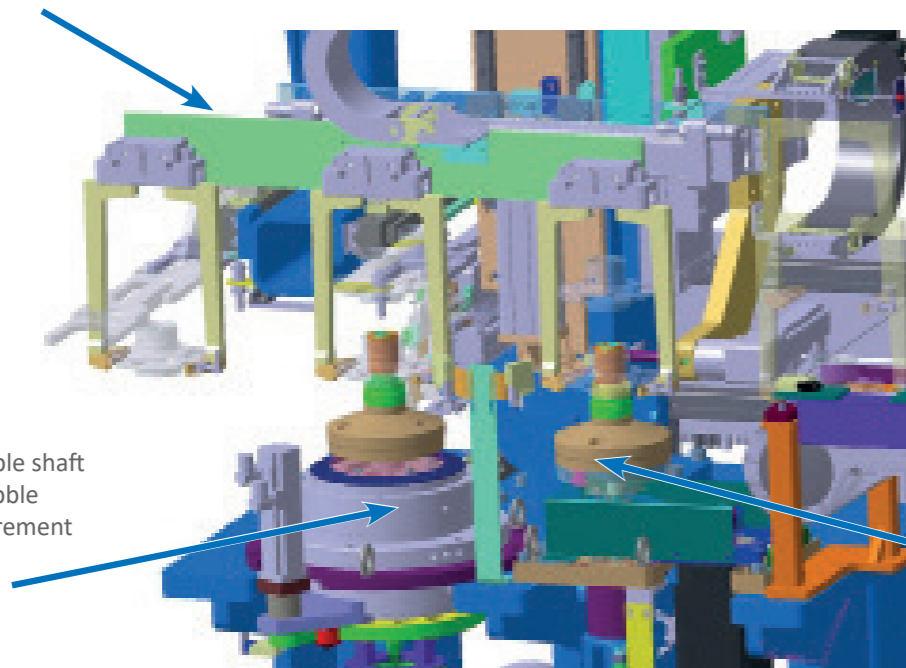
- >> Loose wheel hub feed by roller conveyor
- >> Wheel hub separation
- >> Part transport by 3-way grabber
- >> Axial run-out measurement and crack testing
- >> Sorting out of NOK parts



>> Wheel hub test stand

>> 3-way grabber for part transport

>> Rotatable shaft for wobble measurement

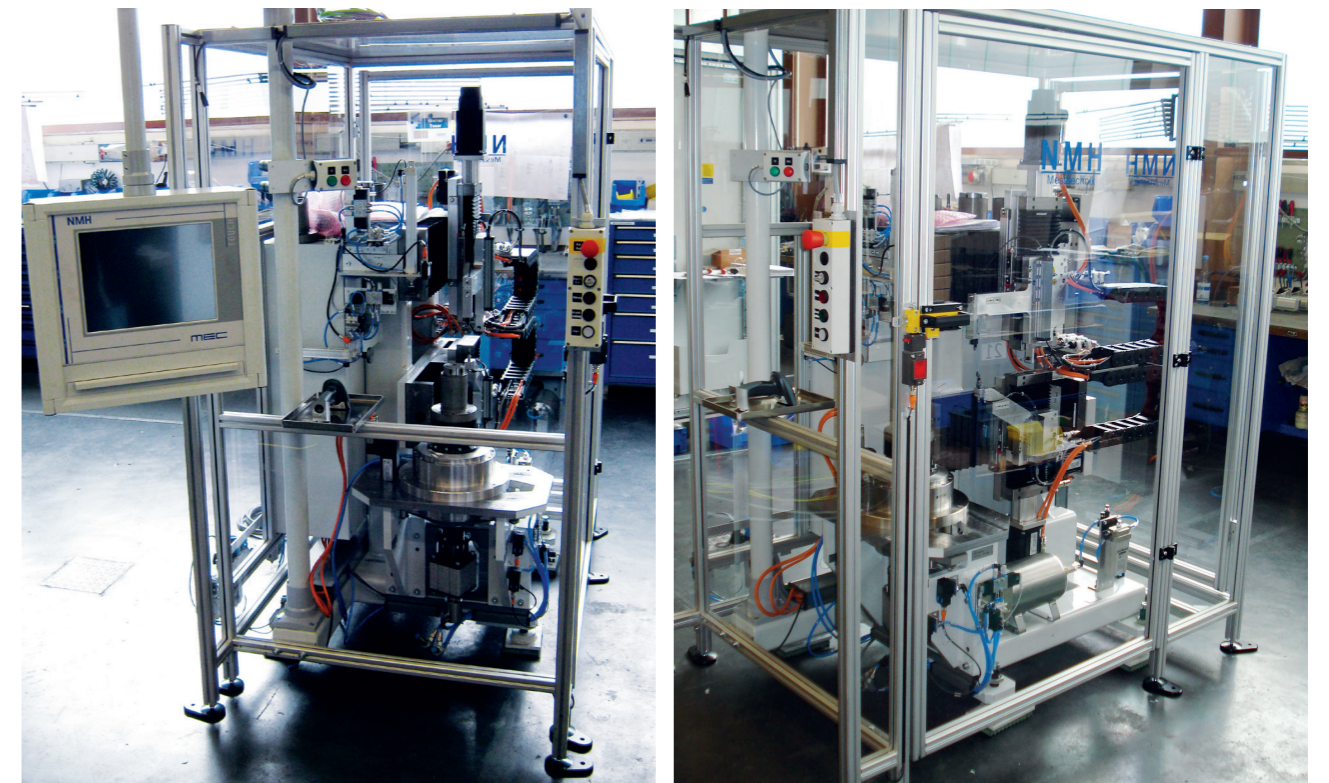


>> Rotatable shaft for crack testing

BRAKE DISC MEASUREMENT

Manually loaded machine for brake disc measurement

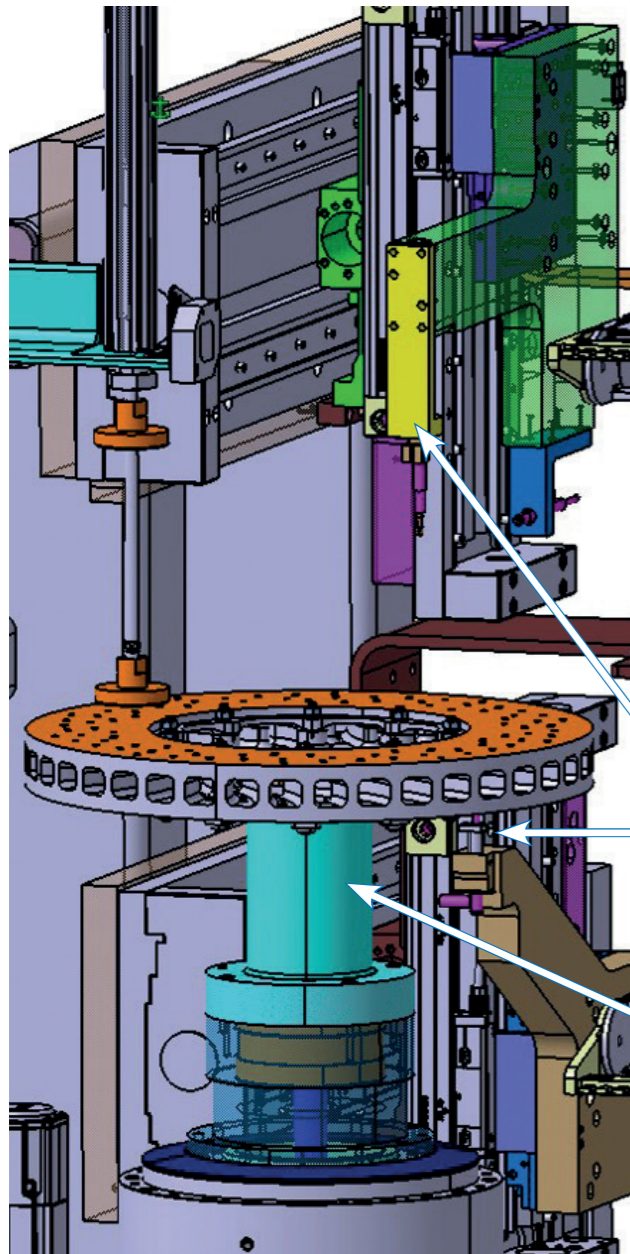
- >> Type entry via bar code or workpiece number
- >> Automatic type check by diameter and pot height (collision guard for scanners)
- >> Highly flexible without conversion thanks to 5 NC axes (batch size 1 for identical centring bores)
- >> Dynamic measurement on high-precision air bearing
- >> Easy part adjustment without programming skills
- >> Interchangeable parts available for various centring bores
- >> Easy operation via handheld operating unit
- >> Special programs for test capability process 1/2/6 and master and calibration measurement



>> Brake disc test stand

INDIVIDUAL AUTOMATIC UNIT

INNOVATIVE EXAMPLES



>> Handheld operating unit (for special programs and individual movements)

>> 2 freely positionable measuring heads for a wide variety of characteristics, including axial run-out measurement

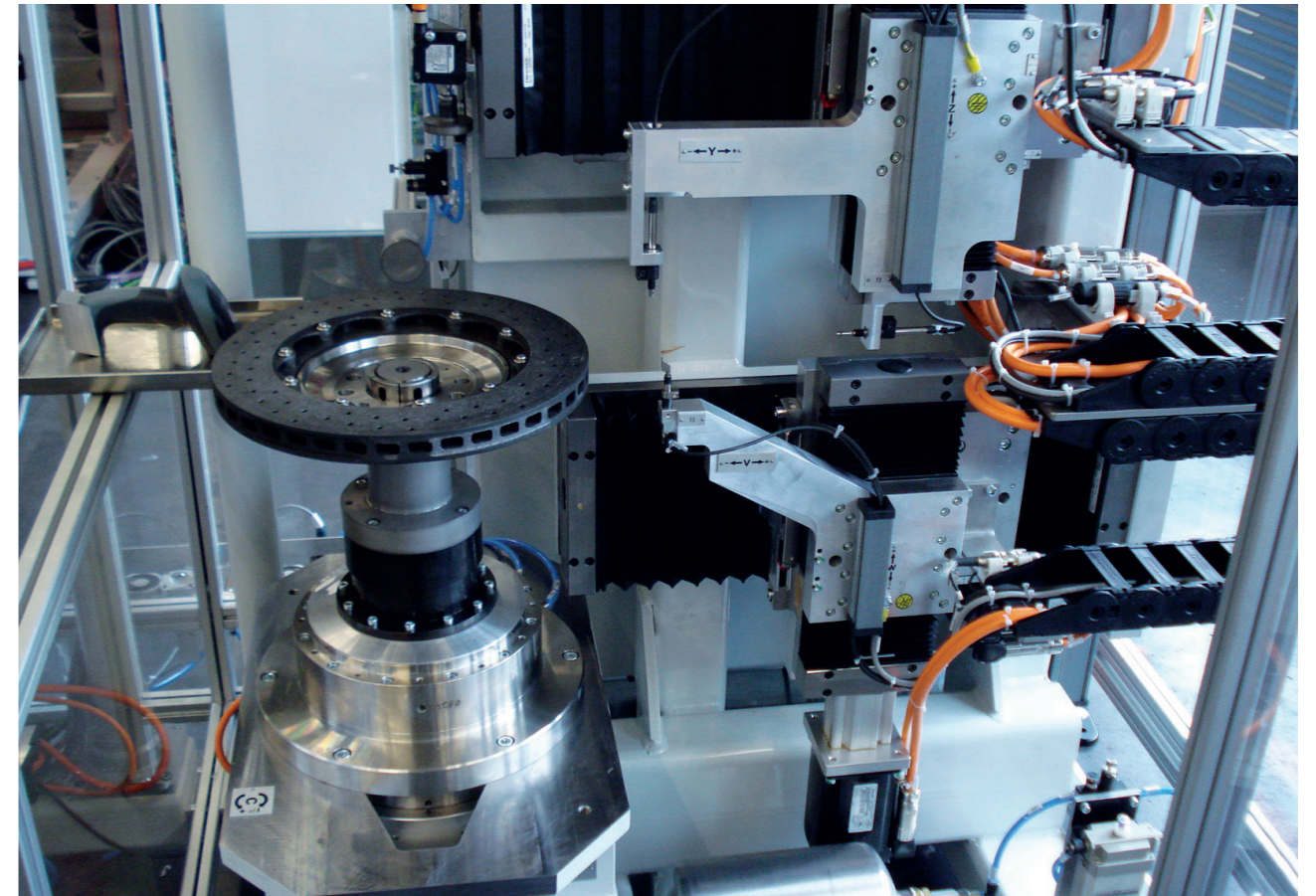
>> Rotating workpiece holder

>> Plausibility check of various characteristics

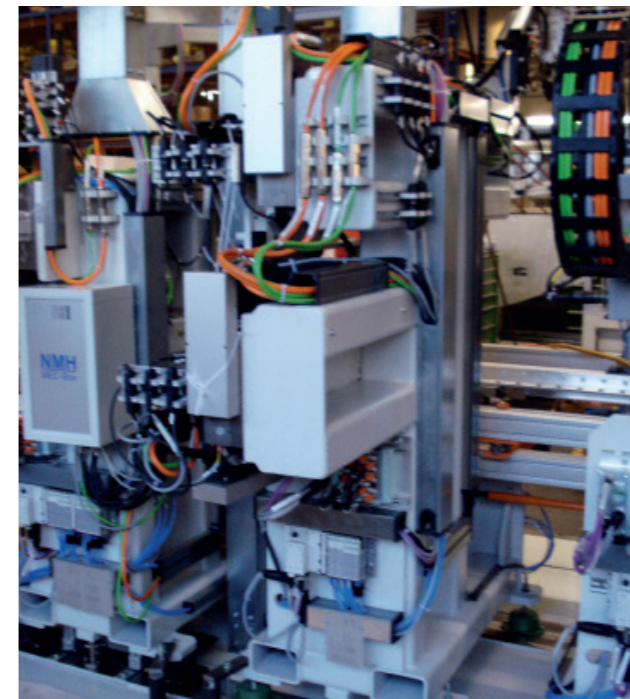
>> Measuring head for dynamic measurement and 4 NC axes



>> Type testing



>> Semi-automatic unit for testing of carbon brake discs and special brake discs



>> Installation example



>> Switch cabinet view

**MORE THAN 3,400 CUSTOMERS
WORLDWIDE – INNOVATION IS
OUR WORLD**



About NMH

NMH is one of the “hidden champions” for complex measuring, testing and assembly systems. The company employs around 100 employees at the Hohentengen location. NMH offers complete solutions – from the design to the final production, assembly and commissioning. Nearly all German premium automotive manufacturers and their suppliers are NMH customers.

**Excerpt of
references**



Company film



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