HEIDENHAIN
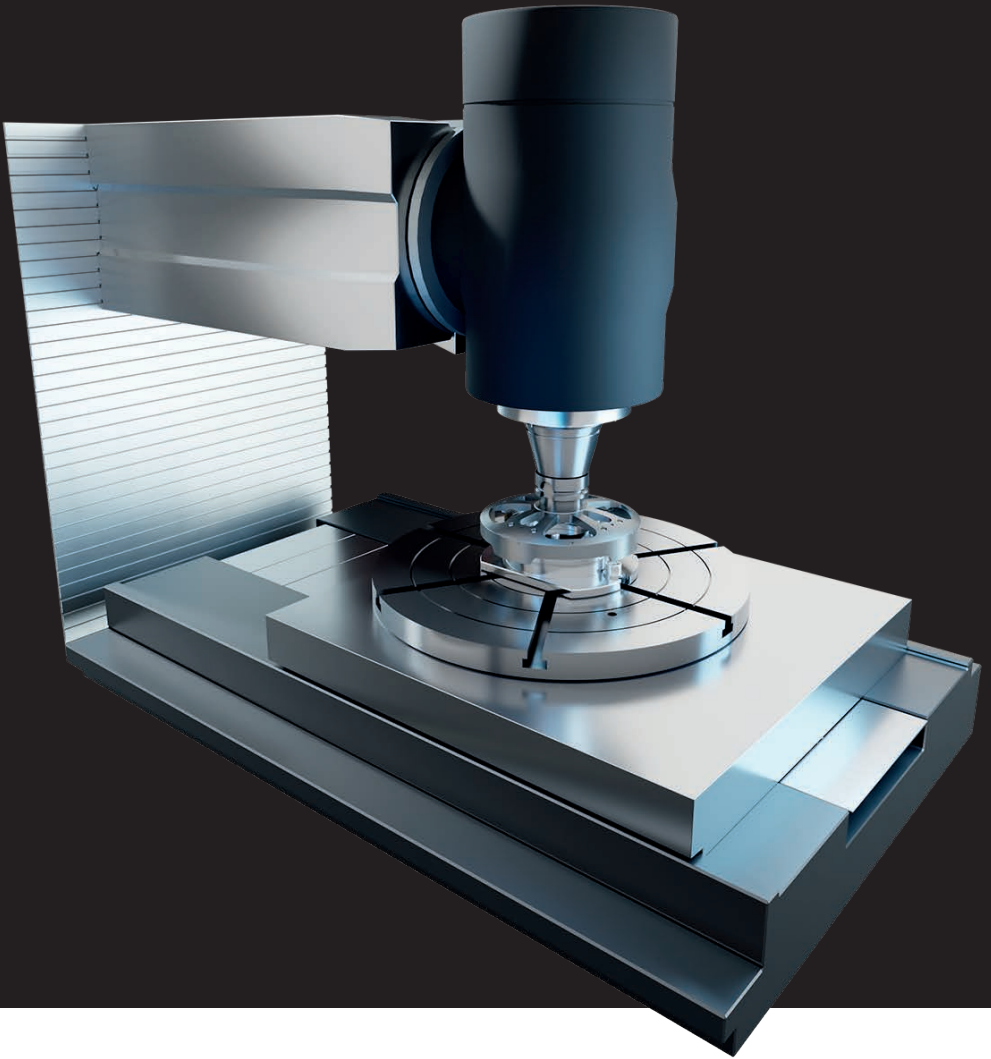
Machine Calibration

Fast, simple, accurate

Machine calibration with comparator systems from HEIDENHAIN, for optimal machining results
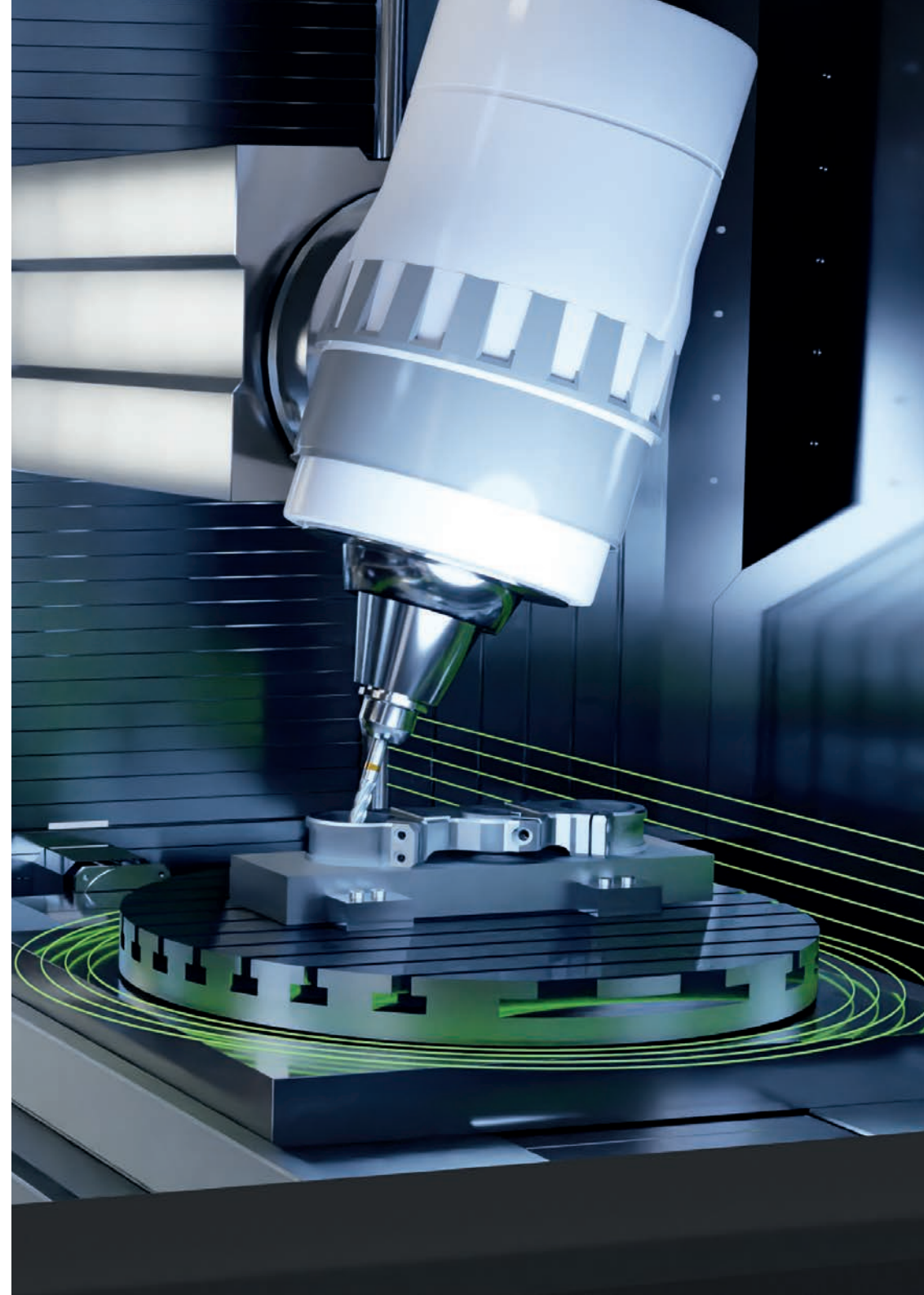
Fast
- Wide mounting tolerances
- Ready at all times
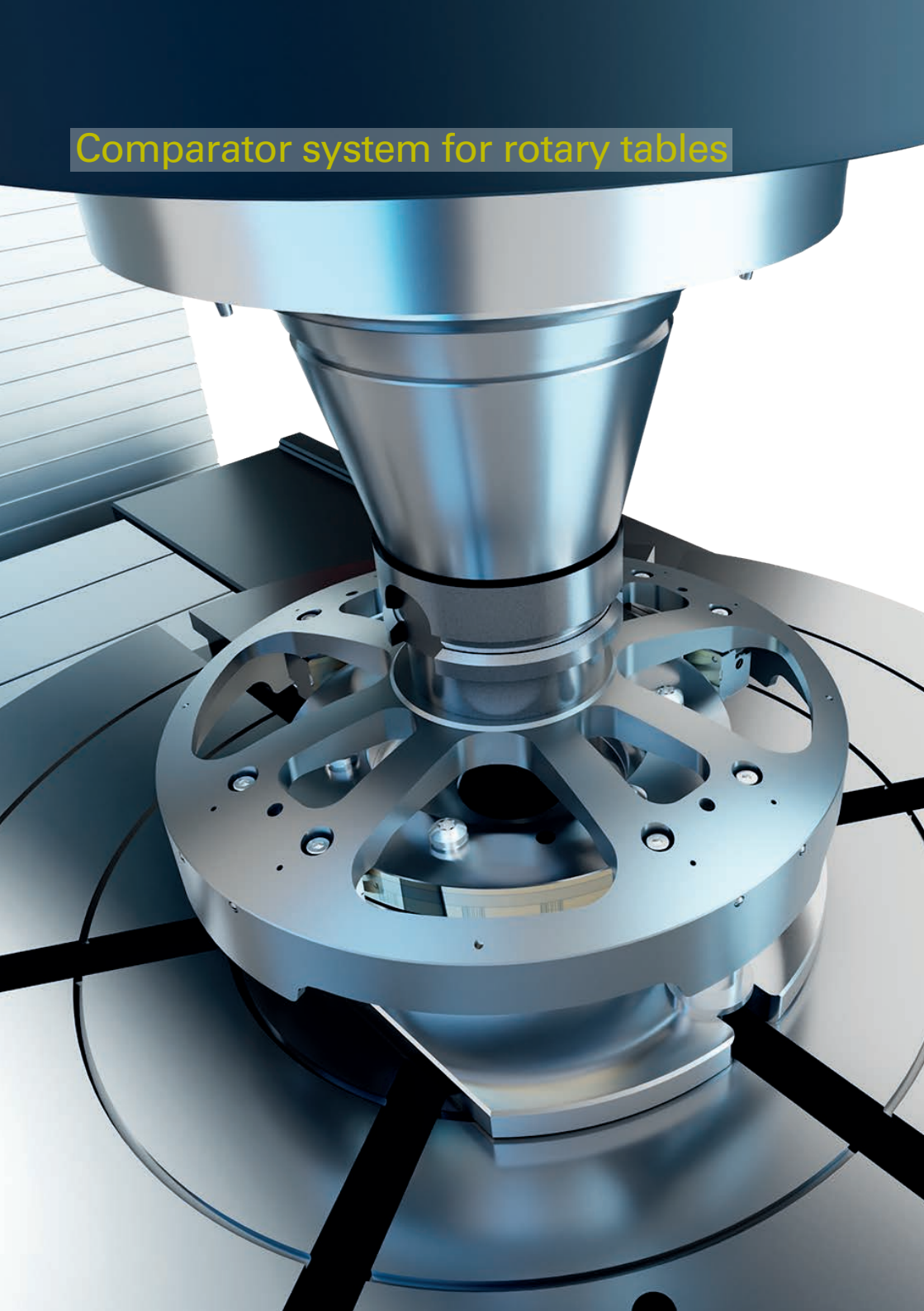- Compact and easy to handle

Simple and robust
- Developed specifically for machine tools
- Wear-free
- Intuitive software

Highly accurate
- Superb system accuracy
- Stable accuracy, almost completely unaffected by surrounding conditions
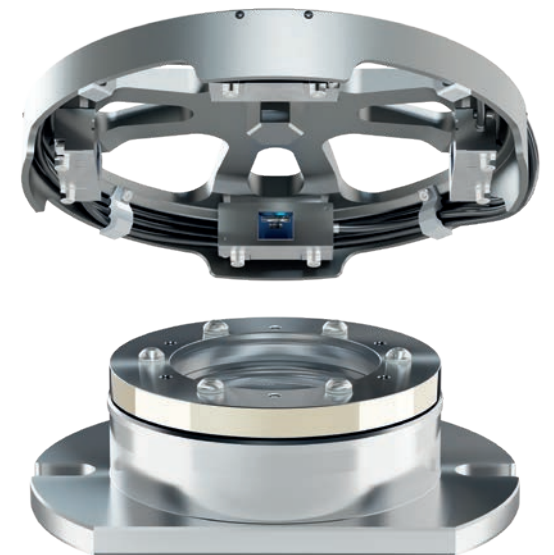- Contact-free measurement

RVM 4180

Specifications:

- System accuracy: ±0.5″
- Measuring range: 360°
- Measuring step: ≥ 0.03″
- Traversing speed: ≤ 100 rpm

Area of application:

- Testing the static positioning accuracy in accordance with ISO 230-2, -3 and VDI/DGQ 3441

RVM 4280

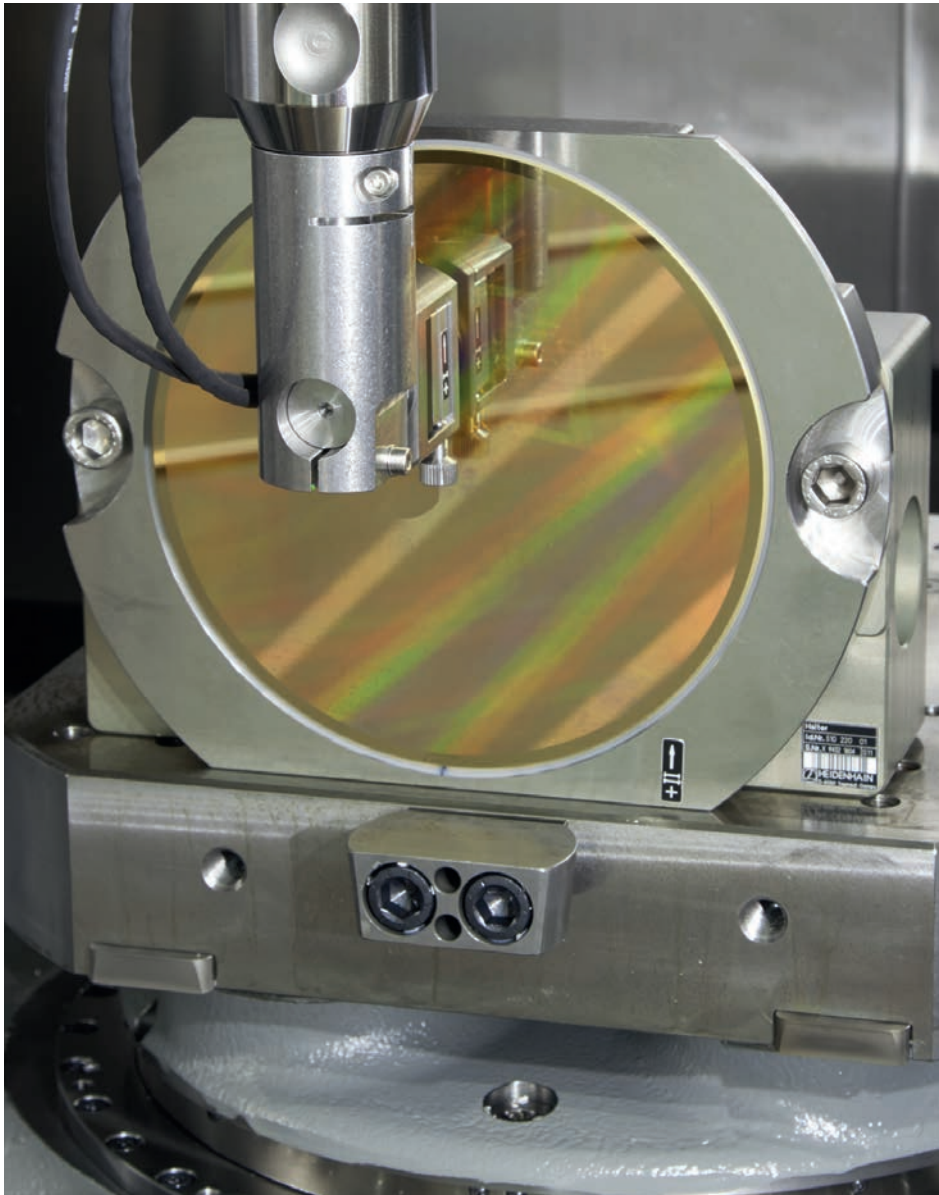### Specifications:

- System accuracy: ±1.0″
- Measuring range: 360°
- Measuring step: ≥ 0.03″
- Traversing speed: ≤ 100 rpm

Characteristics:

- Space-optimized variant for calibrating tilting axes and other difficult-to-reach rotary axes
- Software-supported mounting design
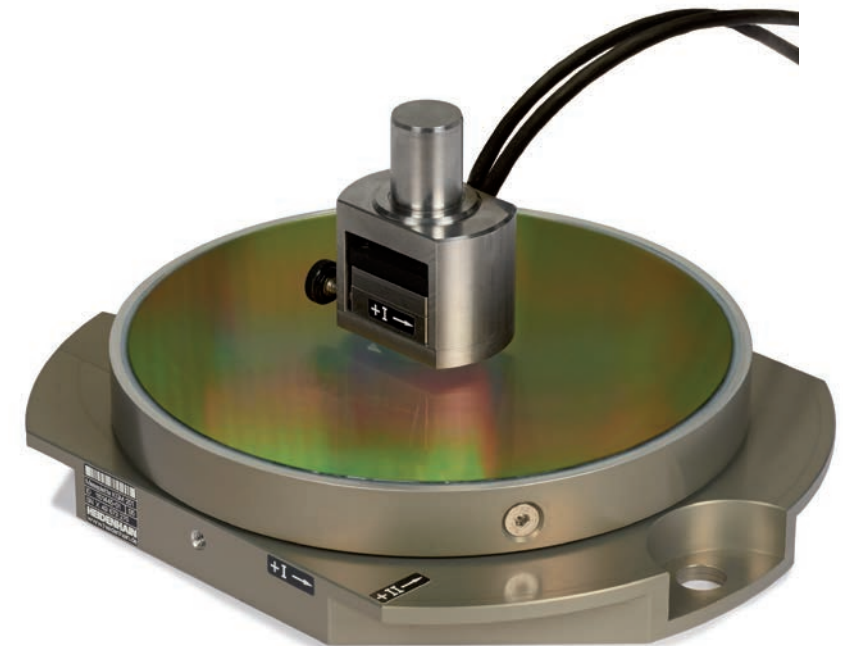
Comparator measuring system
for linear axes

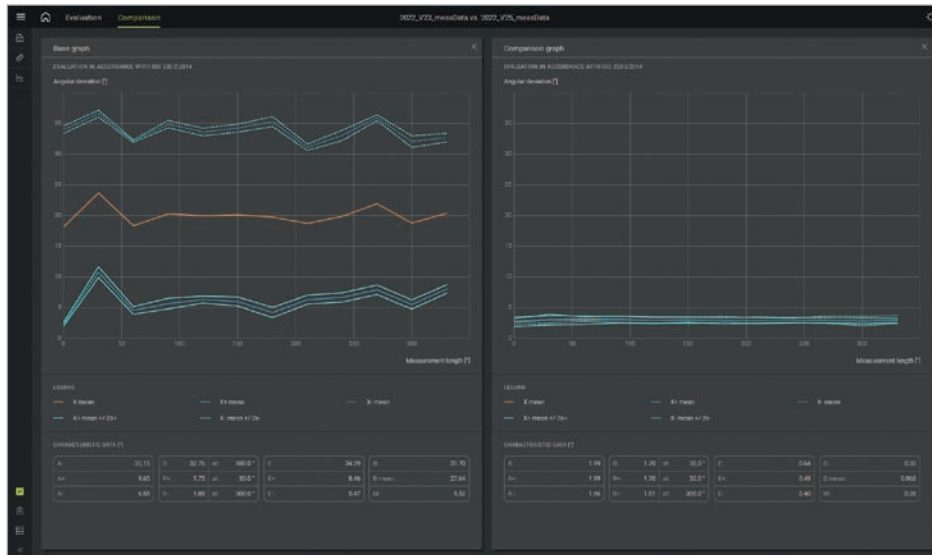## KGM 281 und KGM 282

Specifications:

- Accuracy grade: ±1.0 µm
- Measuring range: ≤ 230 mm
- Measuring step: ≥ 0.001 µm
- Traversing speed: 72 m/min

Area of application:

- Circularity testing in accordance with ISO 230-4
- Free-form testing (2D contours)
- Acceptance testing in accordance with 10791-6 K2/K3
- Testing the static positioning accuracy in accordance with ISO 230-2, -3 and VDI/DGQ 3441
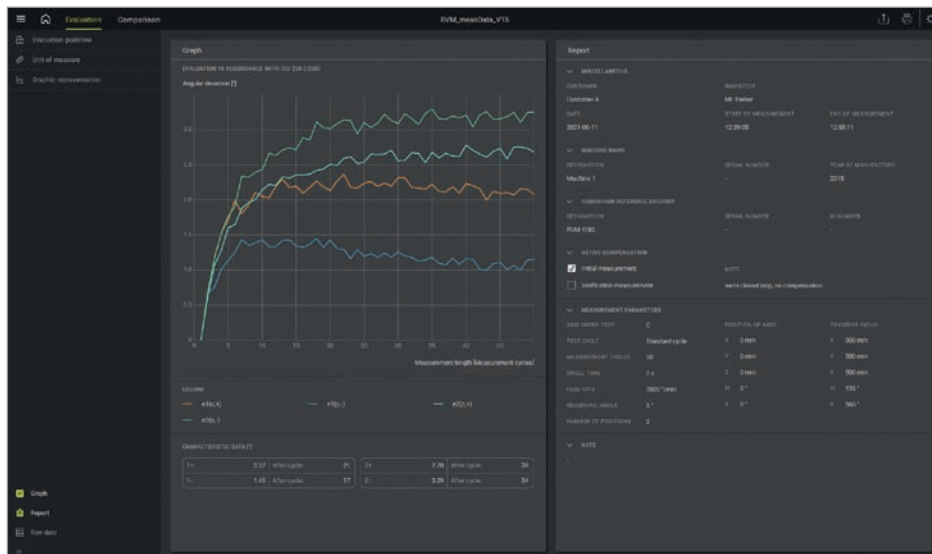
PC software for machine calibration

ACCOM 4.0

Characteristics:

- Add-on to hardware for a system solution
- Intuitive operation
- Separate measurement and evaluation functions
- Ability to export calibration charts and NC compensation tables

Area of application:

- Acceptance testing with the RVM 4x80
- Acceptance testing with the KGM 28x; replacement of ACCOM 3.2 (in progress)
- Continuously improved functionality

www.heidenhain.com/RVM4000

www.heidenhain.com/KGM200

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