The natural choice for the shop floor.

7FISS DuraMax



Seeing beyond

ZEISS DuraMax combines robustness, precision and efficiency, while withstanding even high temperatures. This makes it the perfect choice for demanding at-line measurement directly in the production environment. In conjunction with the ZEISS VAST sensor, ZEISS DuraMax enables fast single-point measurements as well as scanning of contours and free-form surfaces.

Key Characteristics



Efficiency

Optimal measurement volume/ footprint ratio



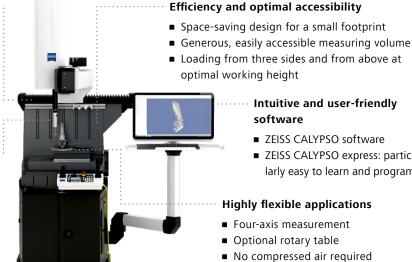
Reduced operating times and fast measurement



Precise results even in harsh environments

Temperature resistivity & reliable precision

- Glass-ceramic scales on all axes for stable measurements from +18 °C to +30 °C
- IP54 base protects the computer hardware
- HTG option for the widest temperature range
- Optional pneumatic vibration isolation



Intuitive and user-friendly

- ZEISS CALYPSO software
- ZEISS CALYPSO express: particularly easy to learn and program

Exceptional speed and productivity

- Fast scanning with ZEISS VAST XXT
- Better evaluation of tolerances
- ZEISS VAST probing saves up to 25-80% measurement time
- Duplex system for increased throughput

Highly flexible applications

■ Four-axis measurement

software

- Optional rotary table
- No compressed air required

Technical Specifications

	DuraMax	DuraMax HTG
Measuring volume	500 x 500 x 500 mm³	500 x 500 x 500 mm³
Length measurement error E0 in μm E0/E40 in μm MPE according to ISO 10360-2:2009	2,4 + L/300 18 °C - 22 °C	2,2 + L/300 18 °C - 22 °C
Extended temperature range (ZEISS TVA 1) E0/E40 in µm	2,7 + L/250 18 °C - 26 °C	2,5 + L/250 18 °C - 26 °C
Extended temperature range (ZEISS TVA 2) E0/E40 in μm	2,9 + L/200 18 °C - 30 °C	2,7 + L/200 18 °C - 30 °C
Extended temperature range (ZEISS TVA 3) E0/E40 in µm	not available	3,9 + L/100 15 °C - 40 °C
Software	ZEISS CALYPSO	ZEISS CALYPSO
Tactile sensor	VAST XXT TL 3	VAST XXT TL 3
Stylus length	radially up to 65mm (star stylus)	radially up to 65mm (star stylus)
Probe diameter	0,3 - 8 mm	0,3 - 8 mm

Applications

Industries

- Production manufacturing
- Automotive
- Aerospace
- Medical
- Electronics

Exemplary Parts

- Small housings & gears, CNC-m. parts
- Vacuum pump
- Small blades (LPC, HPC)
- Hip parts, inhalers
- Connectors

Contact

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