

LONG BORE MEASURING SYSTEM

Another tailor made customer solution



COORDINATE MEASURING MACHINES

Long Bore Measuring System

Custom-built coordinate measuring machine

Features

- The system is equipped with an exceptionally long tubular carbon fiber probe extension that allows highly accurate measurements of up to 2000 mm long bores.
- The inside contour of the bore can be evaluated by installing a scanning probe.
- Extended table for optimal part support
- 3D CAD data enables easy programming.

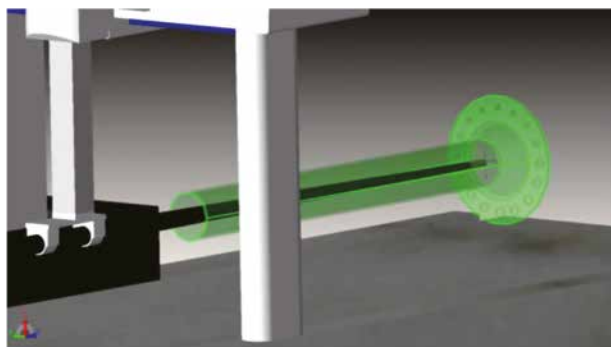
Applications

- Aircraft engine shafts
- Landing gear parts
- Hydraulic cylinders



Programming using a CAD model

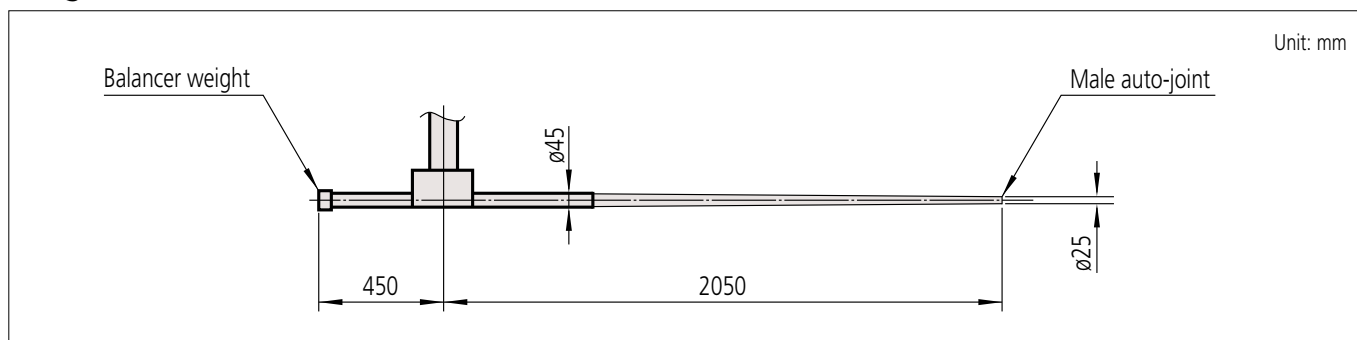
Easy programming is enabled by using 3D CAD data.



Main Unit Specifications

Parameter		Value
Measuring range	X axis	900 mm
	Y axis	2000 mm
	Z axis	800 mm
Guaranteed accuracy		$E_{0,MPE} = (8,0 + 7,4 L / 1000) \mu\text{m}$ L = measured length (mm) Probe used: SP25M + SM25-5 + SH25-5
Temperature limits for guaranteed accuracy		18 to 22°C, 1K/h, 2K/24h
Drive speed (each axis)		100 mm/s
Drive acceleration (each axis)		200 mm/s ²
Maximum table loading		3000 kg

Long extension dimensions



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Coordinate Measuring Machines

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Test Equipment
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