

ALTERA^S

Medium-sized
Bridge CMM



ALTERA S 12.10.8 with PH10M and SP25M

Multi-purpose capabilities tailored to your workflow and process

ALTERA S makes it easier and faster to measure the most complex of parts in a single CMM set-up. Multi-sensor technology combines the precision of tactile probing, high-speed measurement of scanning and high-density of non-contact inspection, to extending the CMM application scope to new materials and geometries in-line with your evolving requirements.

Contact us to book your demonstration

www.LKmetrology.com

ALTERA^S

ALTERA S is ideal for small-to-medium-sized manufacturers needing to increase their automated metrology capabilities with multi-purpose measurement capabilities tailored to the accuracy, throughput and workflow of your quality processes. Multi-sensor ready technology allows you to expand the capability of your CMM as your requirements change, and without expensive controller upgrades.

Probe heads

	PH10T PLUS	PH10M PLUS	PH20
			
Head Type	Indexing Head	Indexing Head	5-axis continuous
Head Positions	720	720	Infinite
Angular Tilt	0 to +105° in 7,5° steps	0 to +105° in 7,5° steps	±115°
Angular Rotation	0 to +180° in 7,5° steps	0 to +180° in 7,5° steps	Infinite
Touch Probe	TP20, TP200	TP20, TP200	Integral
Scanning Probe	-	SP25M	-
Laser Scanner	-	VIVID SLK, LC15Dx, L100, XC65Dx/LS	-

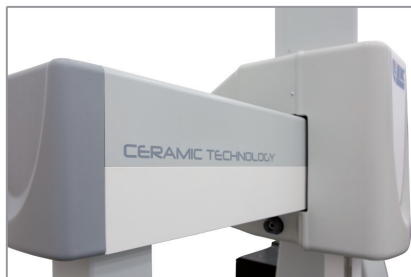
Model Sizes

10.7.6	10.10.8
15.7.6	12.10.8
	15.10.8
	20.10.8

(Measure volume = xxxx00mm)

Performance

Volumetric Accuracy	from 1.8 µm +L/400
Repeatability	from 2.0 µm
Probing Accuracy	from 1.3 µm
Velocity	from 760 mm/s
Acceleration	from 2,290 mm/s ²



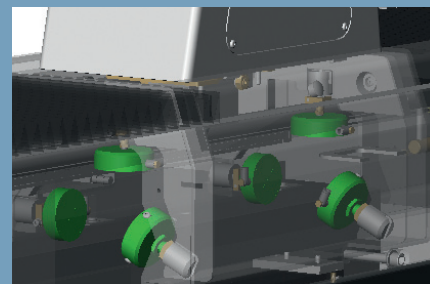
LK Metrology's ceramic technology CMM is guaranteed to maintain its original specification for a period of 10 years*

*Conditions apply, see LK Metrology website for full details.



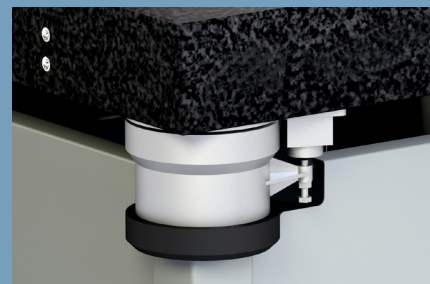
✓ Enduring Accuracy

Ultra-stable ceramic bridge and spindle guideway with high resolution 0.05 µm optical scales for volumetric accuracies as low as 1,8 µm + L/400.



✓ Precise Motion

Granite dove-tail table guideway with unique single orifice grooved pre-loaded air bearings for precise motion control at high speeds.



✓ Anti-vibration

Self-levelling vibration isolation for optimum performance in areas subject to high levels of low frequency vibration.



✓ Shop Floor Ready

CMM automation for in-line and stand-alone shop floor measurement solutions with guideways protected from airborne contaminants.