

ALTERA^M

Large-sized
Bridge CMM



ALTERA M 20.12.10 with PH10M and SP25M

Addresses the widest range of quality control requirements

ALTERA M provides superior multi-sensor technology, with the speed and flexibility needed to measure a range of parts in a fast-paced setting.

Contact us to book your demonstration

www.LKmetrology.com

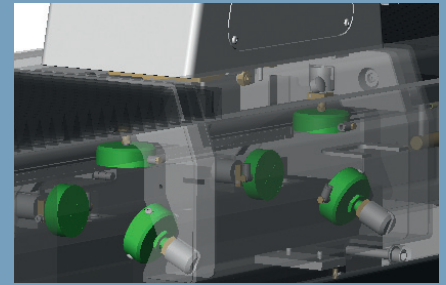
ALTERA^M

This high-performance multi-sensor metrology solution, for series production and shopfloor environments, offers automation solutions that fit seamlessly around your processes to provide 24/7 quality control and remote access to CMM quality data from any internet-enabled device. Ready to meet your expanding inspection needs and set for your future requirements as technology evolves, ALTERA M provides dependable measurement results across all manufacturing environments.



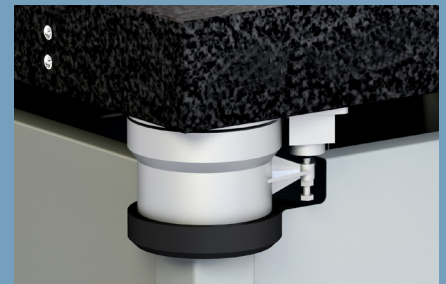
✓ Enduring Accuracy

Ultra-stable ceramic bridge and spindle guideway with high resolution 0.05 µm optical scales for volumetric accuracies as low as 1,4 µm + L/375.



✓ 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.

Probe heads

	PH10MQ PLUS	PH20	SP80
			
Head Type	Indexing Head	5-axis continuous	Fixed
Head Positions	720	Infinite	-
Angular Tilt	0 to +105° in 7,5° steps	±115°	-
Angular Rotation	0 to +180° in 7,5° steps	Infinite	-
Touch Probe	TP20, TP200	Integral	SP80
Scanning Probe	SP25M	-	SP80
Laser Scanner	VIVID SLK, LC15Dx, L100, XC65Dx/LS	-	-

Model Sizes

8.7.6	10.10.8	15.12.10	20.15.10	20.15.12	20.15.15	25.20.15
10.7.6	15.10.8	20.12.10	25.15.10	25.15.12	25.15.15	30.20.15
	20.10.8	25.12.10	30.15.10	30.15.12	30.15.15	35.20.15
	25.10.8	30.12.10	35.15.10	35.15.12	35.15.15	40.20.15
					40.15.15	50.20.15
						60.20.15

(Measure volume = xxxxx0mm)

Performance

Volumetric Accuracy	from 1.4 µm +L/375
Repeatability	from 1.4 µm
Probing Accuracy	from 1.2 µm
Velocity	from 830 mm/s
Acceleration	from 2,510 mm/s ²



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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.