

ALTERA^C HA

Higher accuracy for reduced
measurement uncertainty



ALTERA C HA 15.9.5 with PH10M probe head
and SP25M scanning probe

Optimised precision for tight tolerance parts.

Master your daily metrological challenges with maximum precision, ALTERA C HA (high accuracy) delivers the best possible results for every measurement challenge, helping you to meet those ever increasing demands for quality improvement.

Contact us now to book your demonstration

www.LKmetrology.com

ALTERA^{C HA}

To achieve the best possible measuring results within the shortest possible time requires a perfectly balance system. ALTERA C HA is the best combination of precision measuring machine, latest sensor technology and up-to-date software. Manufacturers can tailor the capabilities of ALTERA C HA to align with their needs for automated inspection using options and accessories.

Probe Heads	PH10T PLUS	PH10M PLUS
		
Head Type	Motorised Indexing	Motorised Indexing
Head Positions	720	720
Angular Tilt	0° to +105° in 7.5° steps	0° to +105° in 7.5° steps
Angular Rotation	0° to ±180° in 7.5° steps	0° to ±180° in 7.5° steps
Touch Probe	TP200	TP200
Scanning Probe	-	SP25M



ALTERA C HA 7.7.5 with PH10M and TP200 and optional keyboard and monitor arm

Performance

Model Size	7.7.5	10.7.5	10.7.7	12.9.7	15.9.7
Volumetric Accuracy $\mu\text{m L=mm}$	1.3+L/350	1.3+L/350	1.4+L/350	1.7+L/410	1.7+L/410
Repeatability μm	1.3	1.3	1.4	1.5	1.5
Probing μm	1.7	1.7	1.7	1.9	1.9
Scanning $\mu\text{m/sec}$	2.0 / 50 2.8 / 40	2.0 / 50 2.8 / 40	2.0 / 50 2.8 / 40	2.2 / 50 3.0 / 40	2.2 / 50 3.0 / 40
Velocity mm/sec	548	548	548	548	548
Acceleration mm/sec ²	1392	1392	1392	1392	1392



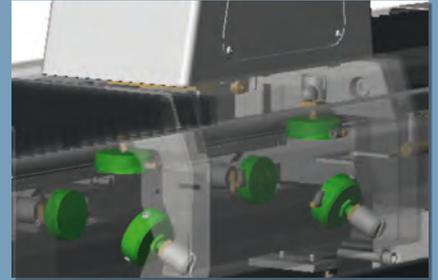
LK Metrology's ceramic technology CMM is guaranteed to maintain its original specification for a period of 10 years*

*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.



✓ 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.



✓ Automation Ready

Solutions for in-line CMM shop-floor measurement and stand-alone CMM measurement cells.