

Xcite

The Manual CMM



Xspect
SOLUTIONS



Xspect XCite CMM

The XCite is a cost effective, all air bearing CMM, manufactured from granite with intrinsic accuracy. The available measuring sizes cover the majority of applications for manual inspection on a CMM including production parts, tools and fixtures. Manufactured from metrological materials to precise tolerances the XCite is assembled by craftsmen and measures to microns.

XCite is a globally available CMM from Xspect Solutions, the 3rd largest CMM supplier in the USA.

An Xspect CMM is built to microns, measures to microns for life; guaranteed.

With accuracy at its **HEART** and straight to the point! XCite is an accurate CMM straight and true; not a aluminum CMM with skin deep accuracy derived only from a mathematical error map. Our competitors have lost **the art** of building accurate CMMs and rely totally on veneered accuracy.

A Manual CMM

With 4 machine sizes available the XCite offers;

Class leading price/performance ratios.

As a manual unit XCite has individual locks and fine adjustment for each axis as standard; its hand wheels allowing fine adjustment to suit metrology application and operator feel.

Full Granite CMM

Aluminum CMMs offer no benefit to the end user, they were introduced to the industry for purely selfish economic reasoning. Manufacturers of aluminum CMMs “claim” aluminum is the perfect material for CMM build: how so since its coefficient of expansion is almost 4 times that of granite and yet its specific weight is only 2% less than granite, Aluminum IS NOT a Metrological Material; Granite IS; that’s why all CMMs use granite tables. The XCite Bridge CMMs are no compromise metrologically sound CMMs with long life.



The Granite Advantage – The use of Metrological Materials for CMM build

Metrological Material	Specific Weight (Kg/dm ³)	Expansion Coefficient (1/K)	Temp. Diffusion Rate (W/mK)	Elasticity Module (103N/mm ²)	Material Ranking
Steel	7.25	10.4x10 ⁻⁶	42-63	90-180	+++++++
Aluminum	2.7	23.8x10 ⁻⁶	210	72	+
Ceramic	3.85	8.0x10 ⁻⁶	28	370	+++++++
Granite	2.8	6.5x10⁻⁶	3.5	NIL	+++++++

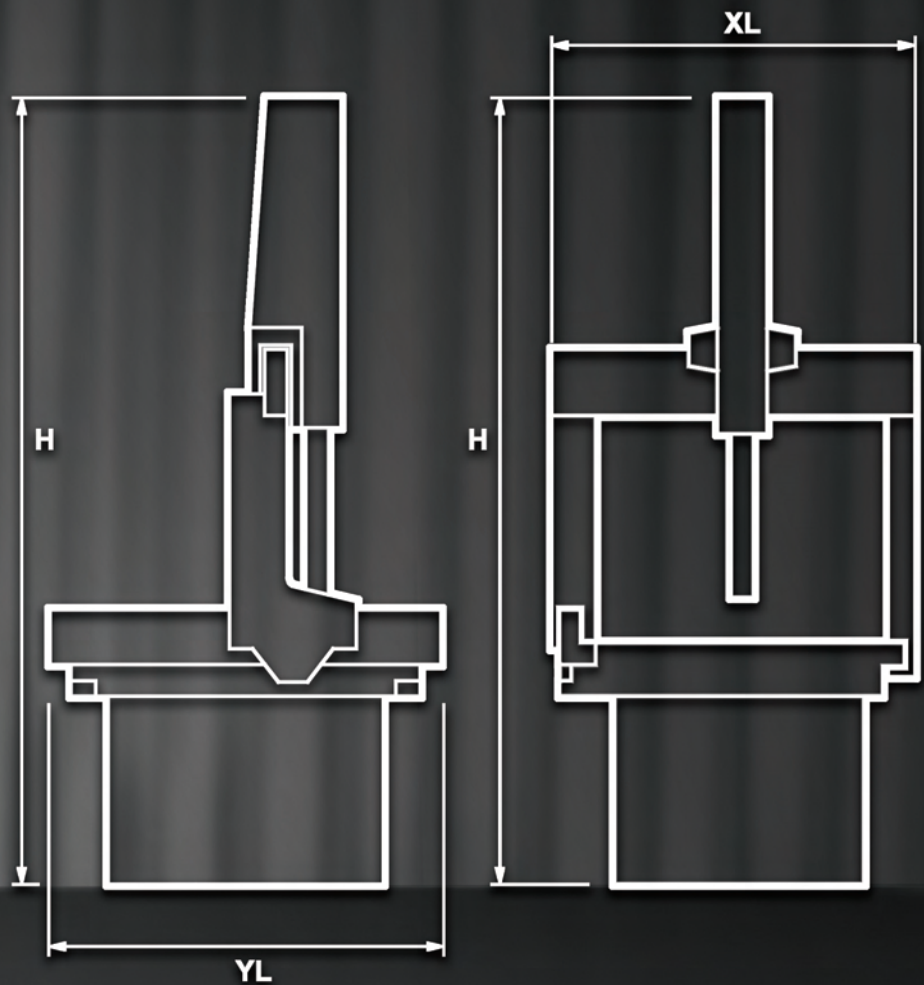
XCite CMMs

Volumetric Accuracies-ISO 10360



Model	X	Y	Z	Accuracy
XC 5.6.4	500	600	400	3.5 + L/300
XC 7.8.5	700	800	500	4.5 + L/250
XC 7.10.5	700	1000	500	4.5 + L/250
XC 7.15.5	700	1500	500	4.5 + L/250

A Classic
Manual CMM
in A Class
Of It's Own



X-Specs (mm)

Sizes	XL	YL	H	Weight
5.6.4	950	1050	2200	550 kg.
7.8.5	1150	1300	2460	800 kg.
7.10.5	1150	1500	2460	1100 kg.
7.15.5	1150	2000	2460	1400 kg.

Measuring System	Renishaw Scales
Resolution	0.5 microns
Probe System	Renishaw
Z-axis	Counterbalanced
Max. Balance Weight	1 Kg
Air Consumption	0.8 cfm @ 85psi
Bearings	Air bearings on all axes



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XCite the large volume manual CMM solution. **Full Function Cad Software With No Options**

XCite comes complete with the industry benchmark OpenDMIS measuring software offering full CAD capabilities as standard and incorporating the unique Quick Measure™ feature allowing complete hands-free inspection. XCite the most productive manual CMM ever. Full reverse engineering functionality to measure and scan features with export of resulting data in IGES format.

Quick Measure™ utilizes the software's intellect to determine the feature type under measurement and allows for rapid part inspection without the traditional tedious need to instruct the software what you intend to inspect next. Simply probe the part and leave the rest to OpenDMIS.

“Minimum mouse clicks” ...

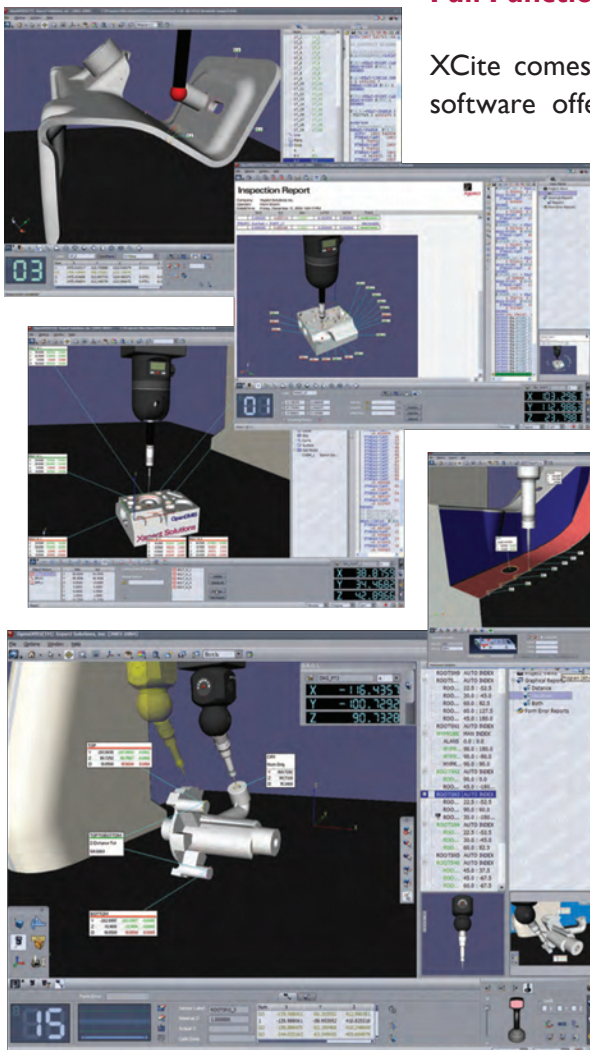
A true measure of CMM productivity.

Unlike competitive software, all metrology features and capabilities come standard with OpenDMIS.

...One Software, One Version, One Solution

The total metrology capabilities of OpenDMIS ensure that whatever your next CMM inspection operation you have the imbedded power to complete the task.

XCite & OpenDMIS, the winning combination



OpenDMIS
Xspect software
SOLUTIONS

POWERED
By PERFORMANCE