

## Standard CNC CMM MICROCORD CRYSTA-Apex V500/700/900 Series

- The **CRYSTA-Apex V500/700/900 Series**, CNC CMMs deliver high accuracy (1.7  $\mu\text{m}$ ), high speed, and high acceleration. This series offers flexibility with a wide range of models to suit practically any size workpiece.
- Has achieved a contamination resistance more than 2 times better than Mitutoyo's conventional machine by adopting a newly developed absolute scale\* that is highly resistant to the challenging production-line environment.

\* Absolute scale that provides an absolute value for each measurement point. This eliminates the need for an initialization operation.

- Equipped with a temperature compensation system that guarantees the specified accuracy within the wide range of 16 to 26 °C under certain environmental conditions, although high-accuracy CMMs should ideally be installed in a temperature controlled room.



CRYSTA-Apex V574



CRYSTA-Apex V776



CRYSTA-Apex V9106

### SPECIFICATIONS

Items	Model	CRYSTA-Apex V544	CRYSTA-Apex V574	CRYSTA-Apex V776	CRYSTA-Apex V7106
Measuring range	X axis	500 mm		700 mm	
	Y axis	400 mm	700 mm	700 mm	1000 mm
	Z axis	400 mm		600 mm	

Items	Model	CRYSTA-Apex V9106 (Z600)/9108 (Z800)	CRYSTA-Apex V9166 (Z600)/9168 (Z800)	CRYSTA-Apex V9206 (Z600)/9208 (Z800)
Measuring range	X axis	900 mm		
	Y axis	1000 mm	1600 mm	2000 mm
	Z axis	600 mm/800 mm		

Note: While the appearance of the natural stone measuring table varies according to the source, the high stability for which this material is known can always be relied upon.

### CRYSTA-Apex V Series Accuracy

Unit:  $\mu\text{m}$

Series	Probe used	Length measurement error*1 ISO 10360-2: 2009
500/700/900 Series	SP25M	$E_0, MPE = 1.7 + 3L/1000^{*2}$

\*1 Specifications vary by configuration, size, and thermal environment.

\*2 L = Measuring length (unit: mm)



Refer to the **CRYSTA-Apex V Series Brochure (E16026)** for more details.