Coordinate Measuring Machines

SMS
Smart Measuring System

MeasurLink® ENABLED
Data Management Software by Mitutoyo

High Accuracy CNC CMM STRATO-Apex Series

- The **STRATO-Apex** Series of CNC CMMs offer improved structural rigidity and guide systems to guarantee very high accuracy measurement. High drive speed and high acceleration provide lower cycle times in critical measurement applications.

- For position detection, the same ultra-high-precision length measuring unit (internally developed) as that used in the **LEGEX** series has been adopted. It enables excellent position detection for highly-accurate measurement. It also applies various other technologies, such as a high-speed control program, that enable high speed and accuracy.

STRATO-Apex 574

STRATO-Apex 7106

STRATO-Apex 9166

STRATO-Apex 162016

SPECIFICATIONS

Items	Model	STRATO-Apex 574	STRATO-Apex 776	STRATO-Apex 7106
Measuring range	X axis	500 mm	700 mm	
	Y axis	700 mm	700 mm	1000 mm
	Z axis	400 mm	600 mm	

Items	Model	STRATO-Apex 9106	STRATO-Apex 9166	STRATO-Apex 162012	STRATO-Apex 162016	STRATO-Apex 163012	STRATO-Apex 163016
Measuring range	X axis	900 mm		1600 mm			
	Y axis	1000 mm	1600 mm	2000 mm		3000 mm	
	Z axis	600 mm		1200 mm	1600 mm	1200 mm	1600 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.

STRATO-Apex Series Accuracy
Unit: μm

Series	Probe used	Length measurement error[*1] ISO 10360-2: 2009
574 Series	SP25M	$E_{0,MPE} = 0.7 + 2.5L/1000$[*2]
700/**900** Series		$E_{0,MPE} = 0.7 + 2.5L/1000$[*2]
1600 Series		$E_{0,MPE} = 2.5 + 4.0L/1000 \ (3.0 + 4.0L/1000)$[*2][*3]

[*1] Specifications vary by configuration, size, and thermal environment.
[*2] L = Measuring length (unit: mm)
[*3] ( ) indicates Z: 1600 mm specification

Refer to the **STRATO-Apex** Series Brochure (**E16001**) for more details.