

CRYSTA-Apex V500, 700, 900 Series

CRYSTA-APEX V500, 700 & 900 Series

The latest generation CRYSTA-Apex coordinate measuring machines, the new CRYSTA-Apex V Series, is packed with state of the art technology, necessary for performing very accurate measurements at high speed. All new, using Mitutoyo's world-renowned ABS scales, the CRYSTA-Apex V series has a high resistance to environmental conditions and does not require to perform homing upon start-up. SMS capability enables status and service monitoring, ready for use in a Smart Factory environment.

A future proof investment, the CRYSTA-Apex V is capable of tackling any task you might have in the future thanks to its ability to change or add probe systems and software with ease.

Main benefits:

- Proven lightweight bridge-type construction with high rigidity air-bearings on every axis
- High accuracy, high speed and high acceleration
- Temperature sensors for compensation of machine and workpiece from 16° to 26°C and monitoring of the environmental temperature.
- ABS linear scales provide high environmental resistance and saves time at start-up as homing is not necessary
- UC480 controller supporting Multi-sensor and SMS functionality (Smart Measuring System)



CRYSTA-Apex V9106

CRYSTA-Apex V Models:

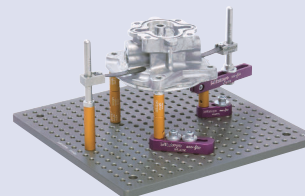
No.	Model	Range [mm]	Comments
191-121	CRYSTA-Apex V544	500 x 400 x 400	Standard stand
191-122	CRYSTA-Apex V544	500 x 400 x 400	Anti vibration stand
191-125	CRYSTA-Apex V574	500 x 700 x 400	Standard stand
191-126	CRYSTA-Apex V574	500 x 700 x 400	Anti vibration stand
191-561	CRYSTA-Apex V776	700 x 700 x 600	Standard stand
191-562	CRYSTA-Apex V776	700 x 700 x 600	Anti vibration stand
191-565	CRYSTA-Apex V7106	700 x 1000 x 600	Standard stand
191-566	CRYSTA-Apex V7106	700 x 1000 x 600	Anti vibration stand
191-569	CRYSTA-Apex V9106	900 x 1000 x 600	Standard stand
191-571	CRYSTA-Apex V9106	900 x 1000 x 600	Anti vibration stand
191-574	CRYSTA-Apex V9166	900 x 1600 x 600	Standard stand
191-575	CRYSTA-Apex V9166	900 x 1600 x 600	Anti vibration stand
191-578	CRYSTA-Apex V9206	900 x 2000 x 600	Standard stand
191-579	CRYSTA-Apex V9206	900 x 2000 x 600	Anti vibration stand
191-583	CRYSTA-Apex V9108	900 x 1000 x 800	Standard stand
191-584	CRYSTA-Apex V9108	900 x 1000 x 800	Anti vibration stand
191-587	CRYSTA-Apex V9168	900 x 1600 x 800	Standard stand
191-588	CRYSTA-Apex V9168	900 x 1600 x 800	Anti vibration stand
191-592	CRYSTA-Apex V9208	900 x 2000 x 800	Standard stand
191-593	CRYSTA-Apex V9208	900 x 2000 x 800	Anti vibration stand

Specifications

Accuracy	E0, MPE from: (1,7+3L/1000) μm
Max. drive speed	519 mm/s (3-axis)
Digital step	0,1 μm

Accuracy is specified for the following environmental conditions for the CMM:

Temperature range	18°C - 22°C	16°C - 26°C
Temperature change	Per hour	2°C
	Per 24 hours	2°C
Temperature gradient	Vertical	1°C/m
	Horizontal	1°C/m



- Mitutoyo eco-fix fixture kits:**
- flexible & quick setup
 - time & cost saving
 - easy adaption of product changes



StyliCleaner always Reliable and Clean Stylus



Optional joystick-box M2 with speed adjustment knob



CRYSTA-Apex V brochure on request



Scan QR Code with your mobile device and watch our product videos on YouTube