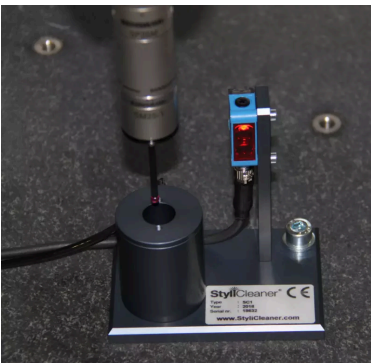




## CRYSTA-Apex V9166

Item number: 191-575

**Images**





### Description

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)

### Specification

<b>Model:</b>	CRYSTA-Apex V9166
<b>Range:</b>	900 x 1600 x 600 mm
<b>Accuracy:</b>	E0, MPE from: (1,7+3L/1000) µm
<b>Width:</b>	1,670 mm
<b>Depth:</b>	2740 mm
<b>Height:</b>	2,730 mm
<b>Mass:</b>	3,072 kg

<b>E<sub>0</sub>,MPE:</b>	With SP25M: (1,7+4L/1000) µm; With TP200: (1,9+4L/1000) µm; With TP20: (2,2+4L/1000) µm; L = measured length [mm]
<b>Max. drive speed:</b>	519 mm/s (3-axis)
<b>3D Acceleration:</b>	2309 mm/s <sup>2</sup>
<b>Air supply:</b>	Pressure = 0,4 MPa
<b>Loading Height:</b>	545 mm
<b>Digital step:</b>	0.1 µm