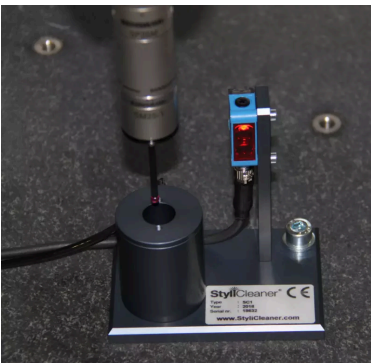




## CRYSTA-Apex V9106

Item number: 191-569

### 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 V9106
<b>Range:</b>	900 x 1000 x 600 mm
<b>Accuracy:</b>	E0, MPE from: $(1,7+0,3L/100) \mu\text{m}$
<b>Width:</b>	1,670 mm
<b>Depth:</b>	2000 mm
<b>Height:</b>	2,730 mm
<b>Mass:</b>	2,231 kg
<b>E<sub>0,MPE</sub>:</b>	With SP25M: $(1,7+4L/1000) \mu\text{m}$ ; With TP200: $(1,9+4L/1000) \mu\text{m}$ ; With TP20: $(2,2+4L/1000) \mu\text{m}$ ; 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 Weight:</b>	1,200 kg
<b>Loading Height:</b>	800 mm
<b>Digital step:</b>	0.1 µm