



CRYSTA-Apex V776

Item number: 191-562

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

Model:	CRYSTA-Apex V776
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Range:	700 x 700 x 600 mm
Accuracy:	E0, MPE from: (1,7+3L/1000) µm
Width:	1,470 mm
Depth:	1700 mm
Height:	2,730 mm
Mass:	1,881 kg
E_{0,MPE}:	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]
Max. drive speed:	519 mm/s (3-axis)
3D Acceleration:	2309 mm/s ²
Air supply:	Pressure = 0,4 MPa
Loading Height:	545 mm
Digital step:	0.1 µm