

STRATO-Apex 500, 700 & 900 Series

STRATO-Apex 500, 700 & 900 Series

The challenges for measurement equipment are rising. Products are continuously improving as a result the lifetime of products is increasing while their energy consumption is reduced. Additionally, the throughput of production is driven up. All these facts must be taken into account for your measuring equipment.

With the STRATO-Apex CMM, Mitutoyo offers you the opportunity to match both: precision and velocity.

This high accuracy CNC coordinate measuring machine that allows you to get accurate results at lightning speed.

Main benefits:

- High measurement accuracy and high-speed motion
- High-performance scanning
- Ultra high precision scales on each axis, resolution 0,02 µm
- Temperature sensors for monitoring of the environmental temperature and compensation of machine and workpiece
- Anti-vibration system reduces the impact of nearby vibration sources (optional for 574)
- Multi-sensors capability
- UC480 controller supporting Multi-sensor and SMS functionality (Smart Measuring System)



STRATO-Apex 9166

STRATO-Apex Models:

No.	Model	Range [mm]	Comments
355-701	STRATO-Apex 574	500 x 700 x 400	Standard stand
355-702	STRATO-Apex 574	500 x 700 x 400	Anti vibration stand
355-705-10	STRATO-Apex 776	700 x 700 x 600	Anti vibration stand
355-707-10	STRATO-Apex 7106	700 x 1000 x 600	Anti vibration stand
355-709-10	STRATO-Apex 9106	900 x 1000 x 600	Anti vibration stand
355-712-10	STRATO-Apex 9166	900 x 1600 x 600	Anti vibration stand

Specifications

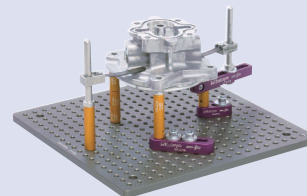
Accuracy	E0, MPE from: (0,7+2,5/1000) µm
Max. drive speed	519 mm/s (3-axis)
Digital step	500/700/900: 0,02 µm

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

Temperature range	Series 500: 18°C -22°C Series 700/900: 19°C -21°C
Temperature change	Per hour 1°C Per 24 hours 2°C
Temperature gradient	Vertical 1°C/m Horizontal 1°C/m



Optional joystick-box M2 with speed adjustment knob



Mitutoyo eco-fix fixture kits:

- flexible & quick setup
- time & cost saving
- easy adaption of product changes



StylusCleaner always Reliable and Clean Stylus



Refer to the STRATO-Apex brochure