

Specifications

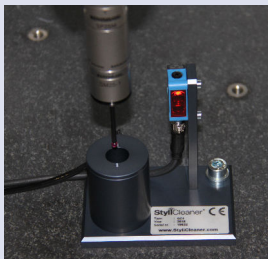
Accuracy	E0, MPE from: (1,8+3L/1000) µm
Max. drive speed	519 mm/s (3-axis)
Digital step	0,1 µm

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

Temperature range		18°C - 22°C	16°C - 26°C	15°C - 30°C
Temperature change	Per hour	2°C	2°C	2°C
	Per 24 hours	2°C	5°C	5°C
Temperature gradient	Vertical	1 °C/m	1 °C/m	1 °C/m
	Horizontal	1 °C/m	1 °C/m	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 PLUS brochure on request



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

CRYSTA-Apex V PLUS 500, 700 & 900 Series

CRYSTA-APEX V PLUS 500, 700 & 900 Series

CRYSTA-Apex V PLUS Multi-Wire

High-precision CNC coordinate measuring machine for versatile applications

The CRYSTA-Apex V PLUS Multi-Wire combines a compact design with excellent cost-efficiency and high performance. It is engineered to deliver precise measurement results even under varying environmental conditions. Prepared for both touch-trigger and scanning probes, it offers flexibility from single-point measurements to complex scanning applications.

Key benefits:

- Proven bridge-type construction with high-rigidity air bearings on all axes for long-term accuracy.
- High measurement accuracy for reliable quality control.
- Fast axis movements for reduced cycle times and increased productivity.
- Temperature compensation from 15°C to 30°C - including the workpiece - for stable results in production environments.
- ABS scales: no homing required, immediate operation, and high resistance to environmental influences.
- UC480 controller with service monitor function for simplified maintenance and system diagnostics.
- Air reduction feature: automatically reduces air supply during standby to lower power usage and environmental impact.

Extended operating range:

The V PLUS series expands the guaranteed accuracy temperature range to 15-30°C. This allows reliable use in warmer environments, for example at 28°C in summer, without requiring strict air-conditioning control at 20°C.

This contributes to reduced running costs for air conditioning and enables use outside traditional measurement rooms. In stable environments within the 15-30°C range, the machine can be placed near production lines, meeting the growing demand for near-line measurement.



CRYSTA-Apex V PLUS9106