

Standard CNC CMM CRYSTA-Apex EX 1200R Series

- **CRYSTA-Apex EX 1200R** Series products are advanced CNC CMMs equipped with the REVO-2 probe head and a choice of probes to create a range of standard 5-axis measuring machines.
- 5-axis operation reduces the time required for probe repositioning movements and allows more flexible positioning. This also facilitates access to complex workpieces and saves time both during programming and measurement.
- Allows ultra high-speed 5-axis scanning (max. 500 mm/s), far surpassing conventional 3-axis control. Support for high-speed sampling of up to 4,000 points per second allows acquisition of densely spaced measurement points, even during fast scanning.

- Internal implementation of laser sensing technology ensures high-accuracy measurement, even with long styli (up to 500 mm*).

* Distance from probe rotation center to stylus tip



CRYSTA-Apex EX 123010R

SPECIFICATIONS

Items	Model	CRYSTA-Apex EX 121210R	CRYSTA-Apex EX 122010R	CRYSTA-Apex EX 123010R
Measuring range	X axis		1200 mm	
	Y axis	1200 mm	2000 mm	3000 mm
	Z axis		960 mm	

Note: While the appearance of the natural stone measuring table varies according to the source, the high stability for which this material is known can always be relied upon.

CRYSTA-Apex EX 1200R Series Accuracy

Unit: μm

Probe used	Length measurement error* ¹ ISO 10360-2: 2009
REVO + RSP2 + RSH250	$E_0, MPE = 2.9 + 4L/1000^{*2}$
REVO + RSP3-3 + RSH3-3	$E_0, MPE = 2.5 + 3L/1000^{*2}$

*1 Specifications vary by configuration, size, and thermal environment.

*2 L = Measuring length (unit: mm)