

REVO-2 High-speed 5-axis Control Scanning Head



Ultra-high-speed 5-axis scanning

This scanning head allows ultra-high-speed scanning at up to 500 mm/s. With simultaneous control of a total of 5 axes (3 axes <X, Y and Z> on a CMM and 2 axes <A and B> on **REVO-2**), the CMM can perform non-step scanning of complex forms on a workpiece. Various measurement operations specific to **REVO-2** are also available. The use of a rotary encoder allows unlimited angle positioning (at a resolution of 0.08 sec). This enables easy access to a complicated workpiece, leading to a reduction of programming and measuring time periods. The **REVO-2** probe is only available on the dedicated **CRYSTA-Apex EX 1200R** series.



REVO-2 Specifications

REVO-2	Rotation angle (Pitch angle)	Vertical (A-axis)	-5°~+120° (0.08 sec)
		Horizontal (B-axis)	∞ (0.08 sec)
	Maximum stylus length		500 mm (Distance from probe rotation center to stylus tip)*

* An increase in the length and mass of a stylus may reduce the accuracy.

PH20 5-axis Control Touch-trigger Probe System



Effective measurement of a complex workpiece using stylus movement

The PH20 head can position a touch-trigger probe at any angle, allowing unique "head touch" probing. This system has the advantage of measuring tilted surfaces and small, deep holes. There is no fear of interference from the stylus shank during measurement of a deep hole.

5-axis operation reduces the time required for probe rotational movements and supports 'head touch' operation for quick point measurement.

The system also supports the module changer using TP20 standard modules.

By combining optional software, a measurement program can be created on a PC using 3D CAD data.



PH20 Specifications

PH20	Rotation angle (Pitch angle)	Vertical (A-axis)	-115°~+115° (0.08 sec)
		Horizontal (B-axis)	∞ (0.08 sec)
	Maximum stylus length		50 mm*

* An increase in the length and mass of a stylus may deteriorate the accuracy.