



## VL-730 3D Scanner CMM Stage



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## **Specifications**

Model			VL-730
Туре			Stage
Controller			VL-700
Measurement unit			VL-770
Optical transmitter system			High-brightness dual projector module
Optical receiver system			Low/high magnification offset dual optical module with wide dynamic range
Light sources	Measurement light source		Blue LED
	Color texture light source		LEDs in 3 colors (red, green, blue)
Captured data format			Full-color textured 3D mesh data
Repeatability (σ)			2 μm*1
Measurement accuracy			±10 μm*2
Measurement resolution			9 million points
Measurement modes	Low magnification		High speed, Normal, Fine (wide field)
	High magnification		Normal, Fine (High resolution)
Measurement range	Low magnification		ø300 × H 200 mm ø11.81" × H 7.87"(wide field)
	High magnification		ø70 × H 50 mm ø2.76" × H 1.97"(High resolution)
Extended	Automatic rotation combined measurements		v
measurement	Automatic XY combined measurements		_
	Automatic XY combined measurement range	Low magnification (2 × 2 composition)	
		Low magnification (3 × 1 composition)	
		High magnification (2 × 2 composition)	
		High magnification (3 × 1 composition)	
Stage	Stage configuration		Motorized θ stage mechanism
	Stage top panel size		ø500 mm ø19.69"
	Stage rotation		360° (infinite rotation)
	Stage movement range		_
	Tilt mechanism		Up to 45°
	Load capacity		50 kg 110.23 lb
Control PC			Dedicated PC specified by KEYENCE
Power supply	Power voltage		100 to 240 VAC ±10%, 50/60 Hz
	Power consumption		Controller/Measurement unit: 320 VA Stage: 80 VA



Environmental resistance	Ambient temperature range	+15 to +30°C 59.0 to 86.0°F
	Ambient humidity range	20 to 80% RH (no condensation)
Weight		Controller: 3.7 kg 8.16 lb Stage: 21.7 kg 47.84 lb Light-blocking cover: 4.9 kg 10.80 lb Measurement unit: 19.6 kg 43.21 lb

 $<sup>^{*1}</sup>$  Value when measurement is performed using the default measurement mode specified by KEYENCE and using the default standard gauge specified by KEYENCE and at an operating ambient temperature of 23°C  $\pm$ 1°C 73.4°F  $\pm$ 1.8°F

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<sup>\*2</sup> In reference to ISO 10360-8; Value when measurement is performed using the default measurement mode specified by KEYENCE and using the default standard gauge specified by KEYENCE and at an operating ambient temperature of 23°C ±1°C 73.4°F ±1.8°F