



**TELECENTRIC MEASUREMENT SYSTEM** | **HM-Series**

Silhouette-based analysis for guaranteed accuracy

**Products**

**Accurate measurement even if the workpiece is out of position**

Adoption of high depth of field telecentric system design, to ensure the measurement accuracy of workpiece in the depth of field range of arbitrary offset;

**Guaranteed accuracy across the entire field of view area**

The near distortion-free design coupled with the full field of view face refinishing ensures accurate measurements across the entire field of view area;

**Easy setup with a wealth of tools**

Equipped with testing tools suitable for a wide range of measurement items; new interface setting display is more intuitive.

Product Parameter			
Model		HM-1120	
Transmitter/receiver Distance		436.7mm	
Measurement Range	Field Of View	High-accuracy Measurement Area	φ60mm
		Measurement Area	φ124
	Depth Of Field	High-accuracy Measurement Area	20mm
		Measurement Area	40mm
Exposure Time		35/70/150μs (3 adjustable stages)	
Imaging Time (trigger Interval)		Approx. 34ms (when both the vertical and horizontal dimensions of the measurement range are Full) Approx. 5ms (when both the vertical and horizontal dimensions of the measurement range are 1/4)	
Light Source		InGaN Green LEDs	
Measurement position accuracy *1	High-accuracy measurement area	±2.5 μm	
	Measurement Area	±3.5 μm	
Repeatability *2		±0.2 μm	
Environmental Resistance	Enclosure rating*3	Ip64	
	Operating ambient temperature	0to +45° C	
	Operating ambient humidity	Below 85%RH (non-condensing)	
Materia		Aluminium	
Weight	Transmitter	approx. 5900 g	
	Receiver	approx. 7900 g	
	Base	approx. 4300 g	

