

# GLS-2200



## Simple, high-performance scanning solution

Completely integrated with the industry-leading ClearEdge3D software, the GLS-2200 scanner solution allows you to automate many modeling processes that are normally manual or semi-automatic. The software quickly creates a digital clone faster than competitive software, and Verity and Rithm automatically compare the scan to the production model.

- Complete end-to-end workflow
- Reduced post-processing time
- Integrated solution with ClearEdge3D software
- Floor Flatness & Floor Levelness construction verification

DISTANCE**1	SHORT	MIDDLE	LONG	
90% reflectivity	1 - 130 meters	1 - 350 meters	1 - 500 meters	
SCANNING MODULE				
Scan mode*2	Detail	High Speed	Low Power	Standard
Scan data rate (Maximum points per second)	120,000	120,000	48,000	60,000
Laser Class	Class 3R		Class 1	Class 3R
Scanning Density (Resolving Power)				
Spot Size (FWHM)	$\phi \leq 4$ mm 1 to 20 m	$\phi \leq 11$ mm 1 to 150 m		
Point Increment	Minimum 3.1 mm (At 10 m)			
Maximum Point Number	V: 15,202 Pt/Line (270°) H: 20,268 Pt/Line (360°)			
Field of View	V: 270° / H: 360°			
Angle Accuracy	H: 6" / V: 6"			
Distance Accuracy	3.1 mm ( $\sigma$ ) At 1 to 90 m	3.1 mm ( $\sigma$ ) At 1 to 110 m	3.7 mm ( $\sigma$ ) At 1 to 110 m	3.1 mm ( $\sigma$ ) At 1 to 150 m
Surface Accuracy	1.0 mm ( $\sigma$ ) <sup>3</sup>			
	At 1 to 90 m	At 1 to 110 m	At 1 to 110 m	At 1 to 150 m
HEIGHT MEASUREMENT				
Measuring Range	0.3 to 2.0 m			
Measuring Accuracy	3.0 mm (Req. Special Target)			
CAMERA				
Field Angle	Wide: Diagonal 170° Tele.: 8.9°(V) x 11.9°(H)			
Number of Pixels	Both Wide and Tele. 5 megapixels			
HDR	Yes			
TILT SENSOR				
Type	Liquid 2-axis tilt-sensor			
Compensation Range	± 6'			
DISPLAY UNIT				
Type	TFT-LCD 3.5 VGA with touch-panel			
OTHERS				
Laser Plummet	Spot Size $\phi$ 1 mm (1 m) / $\phi$ 4 mm (1.5 m)			
Imaging Plummet	Magnification range 1 m			

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INTERFACE	
Card Slot	SD card (SDHC Class 6 or higher)
POWER SUPPLY	
Internal Battery	BDC72
Capacity	5,240 mAh / 1 pce x 4 pcs
Nominal Voltage	7.4 V / 1 pce x pcs
Working Duration	2.5 hours (4 pcs continuous scanning)
APPEARANCE	
Dimension (w x d x h)	293 x 228 x 390 mm (with handle and base)
Instrument Height	226 mm (from top of base to center of miller)
Weight	10 kg (include base and battery)
CONDITION	
Operating Temperature	-5 to 45°C
Storage Temperature	-20 to 60°C
Water and Dust Resistance	IP54 (JIS C0920, IEC 60529)

\*1 It will be different depending on the condition.

\*2 Specification of Close Scan mode is listed inside the catalog.

\*3 When the smoothing function is used for MAGNET Collage Ver 2.3 or later.

