

# Lasercheck



## Function

- Fast and accurate single measurements down to one micro inch in a fraction of a second
- Robust and durable to withstand manufacturing production line environments
- High performance precision surface measurements of parts in motion
- Flexibility of multiple trigger inputs and output monitor options
- Superior repeatability and reliability
- One-time setup and calibration eliminates maintenance and re-calibration time and cost

## Specifications

Model	6212 Mini Head	8826 Micro Head
Roughness Measurement Range (Ra)	0.0125 $\mu$ m - 2.0 $\mu$ m	0.035 $\mu$ m - 2.0 $\mu$ m
Shapes Measured	Flats, cyl., wires, bores > 2.0 in (51 mm)	Flats, cyl. > 0.75 in. (19 mm)
Surfaces Measured	Works on any material (rubber, glass, metals, ceramics etc.) Customization for low reflectivity	
Processes Measured	Ground, sanded, polished, honed, super-finished, fine-turned, shot-blast	
Repeatability	+ - 3.0% of Measured value	+ - 3.0% of Measured value
Measurement Size	0.2 x 0.04 in. (5 x 1 mm)	0.2 x 0.04 in (5 x 1 mm)
Controllers	Automated	Hand-Held Remote
Dimensions (L x W x H)	6.9 x 1.5 x 4.5 in (176 x 38 x 114 mm)	4.20 x 1.75 x 760 in (106.7 x 44.5 x 193.0 mm)
Measurement Speed	10 Measurement per second	Single Measurement < 1 Second
Inputs	Touchscreen LCD	Pushbutton
Outputs	LCD Display Serial Port USB 2.0 Ethernet	LCD Display Serial Port (With Optional cable and Lasercheck SW)
Storage	All Ra Values (no limit) Time/Date Graphical Plot & Display ASCII formatted files	Up to 10,000 Ra Values ASCII formatted files



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