

## ShapeGrabber Ai310

- Precision, non-contact laser scanning and measurement
- Complete surface inspection in minutes
- Indexed scans are positioned accurately without targets or secondary software alignments
- Scans parts in a wide variety of materials, colors, and finishes
- Operates in all normal lighting conditions
- Complete, fast turnkey measurement and inspection solution
- Multiple scanhead configurations to accommodate a large range of part sizes
- Ideal for castings, plastics and 3D printed parts or parts with complex shapes

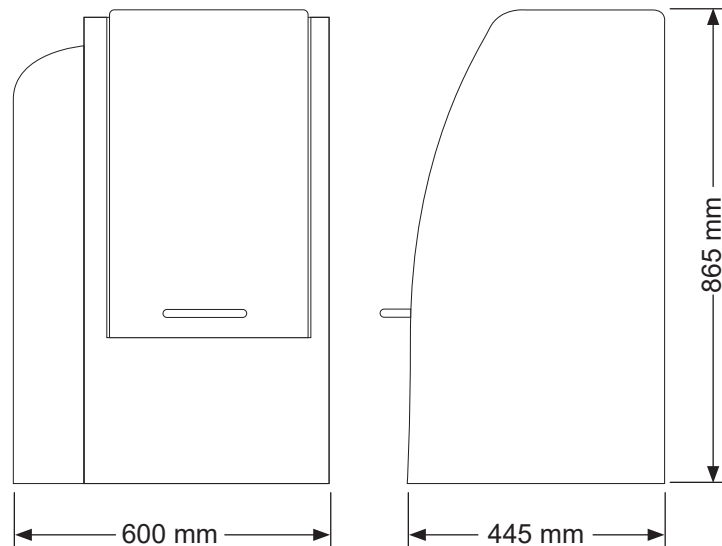
### Benchtop Automated 3D Laser Scanner



# ShapeGrabber Ai310



A leader in measurements for parts with complex shapes



Machine Weight: 50 kg  
Crated Weight: 135 kg

Specifications										
<b>Weight</b>	50 kg									
<b>Vertical motion</b>	300 mm									
<b>Rotary table motion</b>	360°									
<b>Scan Volume</b>	<table border="1"> <thead> <tr> <th>Scanhead</th> <th>Accuracy</th> <th>Scan volume (Automated mode) Cylinder Height x Diameter</th> </tr> </thead> <tbody> <tr> <td><b>SG156 (standard)</b></td> <td>30 + L/25 µm</td> <td>300 x 190 mm</td> </tr> <tr> <td><b>SG46 (optional)</b></td> <td>16 + L/25 µm</td> <td>300 x 50 mm</td> </tr> </tbody> </table>	Scanhead	Accuracy	Scan volume (Automated mode) Cylinder Height x Diameter	<b>SG156 (standard)</b>	30 + L/25 µm	300 x 190 mm	<b>SG46 (optional)</b>	16 + L/25 µm	300 x 50 mm
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	<b>SG156 (standard)</b>	30 + L/25 µm	300 x 190 mm							
<b>SG46 (optional)</b>	16 + L/25 µm	300 x 50 mm								
<b>Laser</b>	CDRH Class II / IEC Class 2M									
<b>Points per second scanned</b>	40,000 - 350,000+									
<b>Software</b>	ShapeGrabber SGCentral (standard) • SGCapture (optional) • PolyWorks (optional) • Geomagic (optional)									
<b>Power requirements</b>	100-120 VAC or 200-240 VAC, 50/60 Hz, 1 phase, 150 W									
<b>Rated environment</b>	Temperature 19 - 21 °C, 30 - 80% humidity; vibration <0.001g below 15 Hz									
<b>Operating environment, safe operation</b>	15 - 30 °C									



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Optical Gaging Products, a division of Quality Vision International  
850 Hudson Avenue • Rochester, NY 14621 • USA  
Phone: (585) 544-0400 • (800) 647-4243 • Fax: (585) 544-8092  
info@ogpnet.com  
www.ogpnet.com