

# TECHNICAL SPECIFICATIONS



## HANDYSCAN BLACK+ | ELITE LIMITED EDITION

THE CREAFORM HANDYSCAN BLACK+ | ELITE LIMITED EDITION OFFERS THE BEST ACCURACY ON A PORTABLE HANDHELD 3D SCANNER. IT INCLUDES THE FUNCTIONALITY AND VERSATILITY OF THE CREAFORM BLACK SERIES PLUS ADDITIONAL ACCURACY FOR THE TIGHTEST TOLERANCE APPLICATIONS.

- An impressive local accuracy of 0.012mm (0.0005 in)
- Based on VDI/VDE part 3 standard and ISO 10360 standard
- Flexible working distance for faster acquisition on large parts



### Creaform HandySCAN BLACK+ | Elite LIMITED EDITION

<b>ACCURACY</b>	Up to 0.012 mm (0.0005 in)	
<b>VOLUMETRIC ACCURACY</b>	0.012 mm + 0.015 mm/m (0.0005 in + 0.00018 in/ft)	
<b>MEASUREMENT CAPABILITIES</b>	pin hole	0.750 mm (0.0295 in)
	step wall	1.250 mm (0.0492 in)
		0.025 mm (0.0009 in)
		0.500 mm (0.0197 in)
<b>FORM ERROR (SPHERE)</b>	0.030 mm (0.0012 in)	
<b>FORM ERROR (FLAT)</b>	0.050 mm (0.020 in)	
<b>ACCEPTANCE TEST</b>	Based on VDI/VDE 2634 part 3 & ISO 10360	
<b>MEASUREMENT RESOLUTION</b>	Up to 0.025 mm (0.0009 in)	
<b>MESH RESOLUTION</b>	0.100 mm (0.0039 in)	
<b>WORKING DISTANCE</b>	200 to 750 mm (7.9 to 29.5 in)	
<b>DEPTH OF FIELD</b>	550 mm (21.7 in)	
<b>LIGHT SOURCE</b>	30 blue lasers (+ 1 extra line)	
<b>LASER CLASS</b>	2M (eye-safe)	
<b>MEASUREMENT RATE</b>	1,800,000 measurements/s	
<b>PART SIZE RANGE (RECOMMENDED)</b>	0.05–4 m (0.15–13 ft)	
<b>WEIGHT</b>	0.94 kg (2.1 lb)	
<b>DIMENSTIONS (LXWXH)</b>	142 x 79 x 288 mm (5.6 x 3.1 x 11.3 in)	
<b>CERTIFICATIONS</b>	EC Compliance (Electromagnetic Compatibility Directive, Low Voltage Directive), compatible with rechargeable batteries (when applicable), IP50, WEEE	
<b>SOFTWARE INCLUDED</b>	VXelements	
<b>OPERATING TEMPERATURE RANGE</b>	5–40°C (41–104°F)	
<b>OPERATING TEMPERATURE RANGE (NON-CONDENSING)</b>	10–90%	