

HANDYSCAN BLACK+ | ELITE

THE CREAFORM HANDYSCAN BLACK+ | ELITE OFFERS INCREDIBLE ACCURACY, SIMPLICITY, AND PORTABILITY. IT IS THE MOST FUNCTIONAL AND VERSATILE 3D SCANNER ON THE MARKET FOR METROLOGY-GRADE INSPECTION AND DEMANDING REVERSE ENGINEERING APPLICATIONS.

- Combine with the Accu+ Kit to increase volumetric accuracy
- Based on VDI/VDE part 3 standard and ISO 10360 standard
- Flexible working distance for faster acquisition on large parts



Creaform HandySCAN BLACK+ | Elite

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| ACCURACY | Up to 0.025 mm (0.0009 in) | |
| VOLUMETRIC ACCURACY | 0.020 mm + 0.040 mm/m (0.0008 in + 0.0005 in/ft) | |
| VOLUMETRIC ACCURACY WITH ACCU+ KIT | 0.020 mm + 0.015 mm/m (0.0008 in + 0.00018 in/ft) | |
| MEASUREMENT CAPABILITIES | pin hole step wall | 0.750 mm (0.0295 in) 1.250 mm (0.0492 in) 0.025 mm (0.0009 in) 0.500 mm (0.0197 in) |
| FORM ERROR (SPHERE) | 0.030 mm (0.0012 in) | |
| FORM ERROR (FLAT) | 0.050 mm (0.020 in) | |
| ACCEPTANCE TEST | Based on VDI/VDE 2634 part 3 & ISO 10360 | |
| MEASUREMENT RESOLUTION | Up to 0.025 mm (0.0009 in) | |
| MESH RESOLUTION | 0.100 mm (0.0039 in) | |
| WORKING DISTANCE | 200 to 750 mm (7.9 to 29.5 in) | |
| DEPTH OF FIELD | 550 mm (21.7 in) | |
| LIGHT SOURCE | 30 blue lasers (+ 1 extra line) | |
| LASER CLASS | 2M (eye-safe) | |
| MEASUREMENT RATE | 1,800,000 measurements/s | |
| PART SIZE RANGE (RECOMMENDED) | 0.05–4 m (0.15–13 ft) | |
| WEIGHT | 0.94 kg (2.1 lb) | |
| DIMENSTIONS (LXWXH) | 142 x 79 x 288 mm (5.6 x 3.1 x 11.3 in) | |
| CERTIFICATIONS | EC Compliance (Electromagnetic Compatibility Directive, Low Voltage Directive), compatible with rechargeable batteries (when applicable), IP50, WEEE | |
| SOFTWARE INCLUDED | VXelements | |
| OPERATING TEMPERATURE RANGE | 5–40°C (41–104°F) | |
| OPERATING TEMPERATURE RANGE (NON-CONDENSING) | 10–90% | |