

3D Scanning

SEA uses advanced 3D measurement technology

Let's SEA What We Can Measure



CREAFORM HandySCAN 3D|BLACK

Specifications

| | |
|----------------------------|----------------------------|
| Accuracy | 0.025 mm |
| Volumetric accuracy | 0.020 mm + 0.040 mm/m |
| mm/m Measurement rate | 1.3 million measurements/s |
| measurement/s Light source | 22 blue laser lines |
| Working Distance | 200 – 450 mm |
| Weight | 0.94 kg |
| Operating range | 5 – 40C |
| Acceptance test | Based on VDI\ VDE 2634 |

Benefits

Scan-to-CAD

Using Creaform Metrology Suite™ software, SEA can reverse engineer and convert scans directly into our SOLIDWORKS engineering software. If you do not have design drawings for a product, using advanced 3D scanning SEA can rapidly create new design drawings.

Design improvements

Scan a product after manufacturing and then at regular intervals after use to rapidly identify design improvements allowing modifications to be made based on actual product use.

Inspection

Comprehensive and powerful CREAFORM software designed for efficient and accurate dimensional inspections fully aligned with SEA ISO 9001 and 17025.

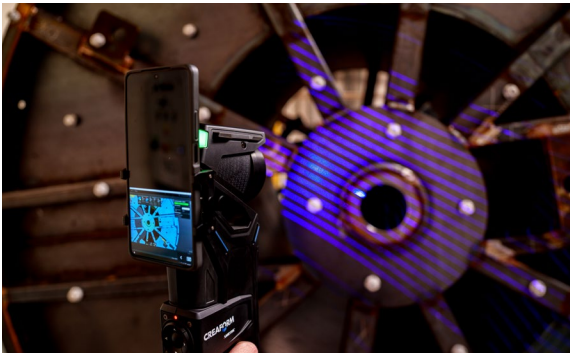
Simplicity

With a plug-and-play device and a user-friendly interface, 3D scanning of objects without preparation is easy, regardless of the user experience.



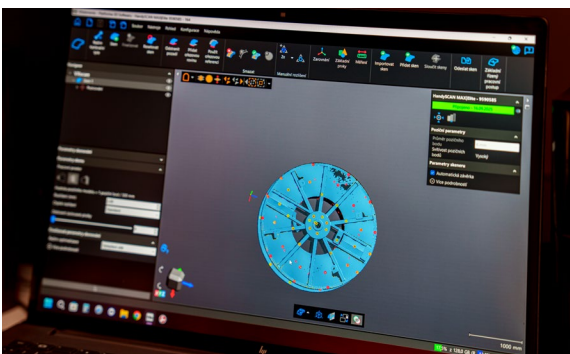
Preparing to scan

1. Magnetic 'dots' are placed all over the item to be measured.
2. A mobile device is attached to the HandySCAN.



Scanning

1. Real-time verification of blue-light laser imaging on the mobile device.
2. Easy to see on the image on the mobile device if there are any gaps in the item being scanned.



Data upload

1. Instant data upload from the mobile device into Metrology Suite™ software.
2. The item can be viewed in 3D.
3. Scans can be uploaded directly into engineering software like SOLIDWORKS.



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