3D SCANNING EQUIPMENT & CAPABILITIES

Go!SCAN SPARK handheld 3D scanner

The Creaform Go!SCAN SPARK is a fast, user-friendly handheld white-light 3D scanner. It captures high-resolution, full-colour scans of complex objects with no set-up required — delivering metrology-grade geometry and texture straight into your CAD, reverse engineering, and inspection workflows.



CAPABILITIES & APPLICATIONS

One scanner. Full colour. Metrology-grade detail, no set-up.

Scanner Capabilities

White Light · Full Colour · Handheld

- White-light technology — 99 white-light scanning lines capture geometry quickly and safely, with no laser class restrictions
- Accuracy up to 0.050 mm — metrology-grade dimensional capture for inspection and reverse engineering
- Volumetric accuracy 0.050 mm + 0.100 mm/m — reliable results that hold up across larger parts
- Measurement rate up to 1,500,000 measurements/second — fast capture keeps scanning time short
- Measurement resolution 0.100 mm / mesh resolution 0.200 mm — fine surface detail for complex geometry
- Full-colour texture capture — 24-bit colour at 50–200 DPI for true-to-life digital replicas
- Dynamic referencing — both the scanner and the part can move freely during scanning; no rigid set-up or tripod required
- No set-up required — up and running in under 2 minutes; positions via geometry, colour, and/or targets
- Lightweight at 1.25 kg — comfortable single-handed use for extended sessions; fits in a carry case
- Instant meshing — ready-to-use files output directly to your software

Applications

Built for scanning, inspection & reverse engineering

- Reverse engineering — capture existing components as accurate CAD reference models where no drawings exist
- Product development & design — measure complex surfaces to get designs right first time and shorten time to market
- Quality control & inspection — compare as-built parts against CAD to verify dimensional conformance
- Maintenance, repair & overhaul — digitise worn or legacy parts for refurbishment and remanufacture
- Non-destructive testing support — capture surface geometry for integrity and condition assessment
- Heritage & restoration — full-colour digital records of objects for archive, replication, or repair
- Automotive, aerospace & heavy industry — versatile across part sizes from 0.1 m up to ~4 m
- Full-colour digital archiving — create accurate, textured 3D records for documentation and downstream reuse

TECHNICAL SPECIFICATIONS

Technology	White light (99 lines)	Part size range	0.1–4 m (recommended)
Accuracy	Up to 0.050 mm (0.0020 in)	Texture resolution	50 to 200 DPI
Volumetric acc.	0.050 mm + 0.100 mm/m	Texture colours	24 bits
Meas. resolution	0.100 mm (0.0039 in)	Weight	1.25 kg (2.7 lb)
Mesh resolution	0.200 mm (0.0078 in)	Dimensions	89 × 114 × 346 mm
Meas. rate	1,500,000 meas./s	Connection	1 × USB 3.0
Positioning	Geometry / colour / targets	Operating temp.	5–40 °C
Scanning area	390 × 390 mm	Certifications	IP50, EC, WEEE
Stand-off dist.	400 mm	Output formats	.dae .fbx .ma .obj .stl .txt .wrl .x3d .zpr .3mf
Depth of field	450 mm		

Hiring this scanner is more cost-effective than an outright purchase — and lets you access metrology-grade 3D scanning only when your project needs it.

WHAT DO I NEED TO BOOK A RENTAL?

Provide us with some key documents – then enjoy your hire.

01

Insurance

Insure your rental under a Hired-in (non-owned) equipment cover policy – to the full cost value of the equipment and for the duration of your hire period.

02

Proof of ID

Submit a copy of your passport or driving licence, plus a utility, bank, or council tax statement that matches your name and delivery address.

03

Contact for Quote

No pricing is shown for this equipment. Contact D2 Rentals for availability and a bespoke quote based on your project and hire duration.

READY WHEN YOU ARE

Available now from D2 Rentals — function-checked, complete, and field-ready.

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