METROLOGY
SOLUTIONS

Go!SCAN3D™

THE FASTEST AND EASIEST 3D SCANNING EXPERIENCE

reddot award 2019
winner

CREAFORM

AMETEK®
ULTRA PRECISION TECHNOLOGIES

Go!SCAN3D™

WHEN EASE OF USE MEETS VERSATILITY AND PORTABILITY

The Go!SCAN 3D™ is our fastest, user-friendly handheld 3D scanner. A powerful tool during the product development phase, the Go!SCAN 3D quickly measures any complex surface making it possible to "get it right" the first time. With its seamless integration to your 3D modelling software and your product life cycle management workflow, it will greatly improve product development, foster innovation and shorten time to market.

Designed to scan any object without need for a set-up, it offers flawless texture and geometry acquisition as well as impressive details in a rich color palette. Just go... and scan!

- **HIGH LEVEL OF DETAILS**
- **NO SET-UP REQUIRED**
- **ACCURACY UP TO 0.050 mm**
- **WORLDWIDE SUPPORT**
- **COLOR ACQUISITION**
- **PATENTED TECHNOLOGY**

1. High-performance optics
   Optimal scan quality
2. White light technology
   Fast 3D scanning
3. Color texture camera
   Realistic color acquisition and reliable tracking
4. Stand-off distance meter display
   Maximizes scanning performance
5. Multifunction buttons
   Quick access to frequently used software functionalities
6. Innovative design
   Outstanding user experience

SIMPLICITY & VERSATILITY

The user-friendliness of the Go!SCAN 3D is unrivaled, making it possible to scan both small parts and larger objects, regardless of the user's experience. The Go!SCAN 3D is designed to perform without any part preparation; simply point and shoot! It provides an instant preview during scanning, showing what's being captured in real-time.

Plug and play

Simple user interface and real-time mesh visualization

Scan any object with a single device

Positioning using geometry, color or targets

PORTABILITY

When it comes to portability, the Go!SCAN 3D is second-to-none. Everything about its design has been considered in order to make your work more efficient. Take it anywhere you need!

Lightweight
1.25 kg

Dynamic referencing
Both the object and scanner can be moved freely while scanning

Fits into a suitcase

SPEED

You need to get your work done quickly? The Go!SCAN 3D is our fastest technology. Most objects can be scanned in mere minutes and quickly integrated into your preferred reverse engineering, computed aided design or 3D printing software.

Instant mesh
Ready-to-use files

High measurement rate
Up to 1,500,000 measurements/s
99 white light scanning lines

Quick set-up
Up and running in less than 2 minutes

LEVEL OF DETAILS & SCAN QUALITY

The level of detail on the Go!SCAN 3D is simply astounding. Featuring full support of color, it provides spectacular results.

Reliable results

Resolution of 0.100 mm

High resolution for intricate details

TECHNICAL SPECIFICATIONS

Innovating technology that provides accuracy, simplicity, portability as well as real speed to your metrology-grade applications.

	Go!SCAN SPARK™
ACCURACY (1)	Up to 0.050 mm
VOLUMETRIC ACCURACY (2) (based on part size)	0.050 mm + 0.150 mm/m
VOLUMETRIC ACCURACY WITH MaxSHOT Next™ I Elite (3)	0.050 mm + 0.015 mm/m
MEASUREMENT RESOLUTION	0.100 mm
MESH RESOLUTION	0.200 mm
MEASUREMENT RATE	1,500,000 measurements/s
LIGHT SOURCE	White light (99 stripes)
POSITIONING METHODS	Geometry and/or color and/or targets
SCANNING AREA	390 x 390 mm
STAND-OFF DISTANCE	400 mm
DEPTH OF FIELD	450 mm
PART SIZE RANGE (recommended)	0.1–4 m
TEXTURE RESOLUTION	50 to 200 DPI
TEXTURE COLORS	24 bits
SOFTWARE	VXelements
OUTPUT FORMATS	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr, .3mf
COMPATIBLE SOFTWARE (4)	3D Systems (Geomagic® Solutions), InnovMetric Software (PolyWorks), Metrologic Group (Metrolog X4), New River Kinematics (Spatial Analyzer), Verisurf, Dassault Systèmes (CATIA V5, SOLIDWORKS), PTC (Creo), Siemens (NX, Solid Edge), Autodesk (Inventor, PowerINSPECT)
WEIGHT	1.25 kg
DIMENSIONS (LxWxH)	89 x 114 x 346 mm
CONNECTION STANDARD	1 X USB 3.0
OPERATING TEMPERATURE RANGE	5–40°C
OPERATING HUMIDITY RANGE (non-condensing)	10–90%
CERTIFICATIONS	EC Compliance (Electromagnetic Compatibility Directive, Low Voltage Directive), compatible with rechargeable batteries (when applicable), IP50, WEEE
PATENTS	CA 2,600,926, CN 200680014069.3, US 7,912,673, EP (FR, UK, DE) 1,877,726, AU 2006222458, US 8,032,327, JP 4,871,352, EP (FR, UK, DE) 2,278,271, IN 266,573, US 7,487,063, CA 2,529,044, CA 2,810,587, US 8,836,766, JP 5,635,218, CA 2,875,754, EP (FR, UK, DE) 2,751,521, US 9,325,974, CA 2,835,306, CN 201280023545.3, CN 201280049264.5, JP 6,025,830, EP (FR, UK, DE) 2,875,314, CN ZL 201380029999.6, JP 6,267,700, EP (FR, UK, DE) 3,102,908, US 15/114,563, CN 201580007340X

(1) Typical value for diameter measurement on a calibrated sphere artefact.

(2) Performance assessed with traceable length artefacts using positioning targets. Objects with sufficient geometry/color texture can enable this level of performance without positioning targets. Results are obtained using integrated photogrammetry with volumetric accuracy optimization.

(3) The volumetric accuracy of the system when using a MaxSHOT 3D cannot be superior to the default accuracy.

(4) Also compatible with all major metrology, CAD, and computer graphic software through mesh and point cloud import.

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