HANDY PROBE™

GET THE MEASURE OF THINGS!

THE **HandyPROBE™ ARM-FREE PROBING SYSTEM**, POWERED BY THE **C-TRACK™780** DUAL-CAMERA SENSOR, RELIES ON A COMBINATION OF ADVANCED PHOTOGRAMMETRY AND POWERFUL DIGITAL IMAGE PROCESSING. THIS UNIQUE DUO GENERATES HIGH ACCURACY DATA, AND INCREASES THE RELIABILITY AND SPEED OF THE MEASUREMENT PROCESS, WHETHER ON OR OFF THE PRODUCTION LINE.

THE **HandyPROBE** IS A **100% PORTABLE MEASUREMENT SOLUTION** THAT GIVES YOU TOTAL FREEDOM OF MOVEMENT, AND ALLOWS YOU TO INCREASE YOUR PRODUCTIVITY AND QUALITY SIGNIFICANTLY!

APPLICATIONS

The **HandyPROBE** is a powerful arm-free inspection tool. The measures acquired can easily be imported into most inspection software and quickly processed. This accurate device can carry out the following tasks:

- Part-to-CAD analysis
- First article inspection
- Supplier quality inspection
- Conformity assessment of 3D models against the original parts/production tooling
- Conformity assessment of manufactured parts against the originals
- Manual and automated statistical analysis
- Multi-shot measurement (up to 30 points/sec.)

BENEFITS

_ Handheld, portable device

The 100% portability of the **HandyPROBE** makes it possible to inspect, reverse engineer or perform CAD-to-part analysis on parts, sub-units or complex assemblies with an unequalled precision, mobility and flexibility, no matter where (lab, factory, off-site, etc.).

_ Total freedom of movement

Since the device is armless, and the data transmission process is wireless, the user can move freely around the part. Plus, there is no physical link between the optic device's sensor and probing handle, so no mechanical wear is involved.

_ Automatic alignment setup

The user can choose from 2 types of alignment setup: dynamic or static, without any probing, thus reducing human errors by 85%. Both the sensor and the part can be moved during the measurement process without any realignment necessary, for greater flexibility and time savings.

_ Measurement Range Volume Extension

Dynamic extension of the measurement volume without any additional alignment setup or leapfrog. The **C-Track 780** can be repositioned along the part to be measured (or the part may be translated) with automatic and continuous capture of the measurement reference frame. No probing necessary to re-align data after the part is moved.

_ User friendly

Easy to learn, intuitive system. Installation requires less than 5 minutes. Allows the measurement of parts in production without having to align every part.

_ Continuous calibration monitoring

The system automatically detects when calibration is required. The 5-minutes calibration process can be easily performed by the operator, with the calibration bar provided. No need to return the unit to the factory for yearly calibration.

_ Excellent ROI

Yields considerable productivity and money gains in the field of industrial coordinate measurements and controls.

_ Automatic data collection & report generation

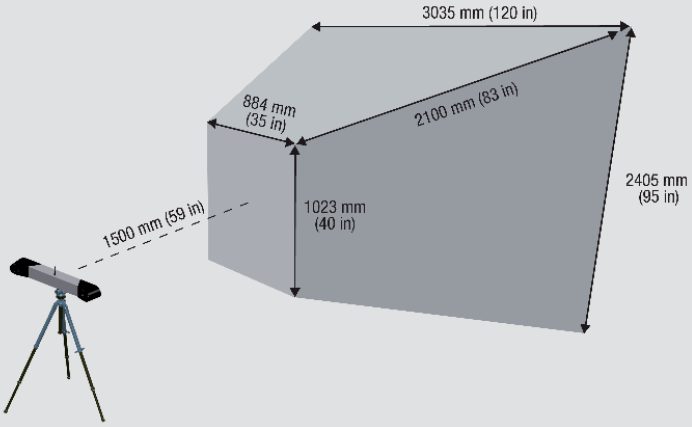
The open platform can be interfaced with major measurement software.

INDUSTRIES

- Aerospace
- Metallurgy and metal processing
- Automotive and transport equipment production
- Forming, molding, manufacturing, casting & assembling
- Machine tool production

C-TRACK 780

The **C-Track 780** dual-camera sensor is fitted with high quality optics and special lighting, enabling it to measure reflectors within its operating space. In addition to tracking the whole system's reference model, the **C-Track 780** ensures exact localisation of the **HandyPROBE** stylus, performs continuous image acquisition and transmission, lighting of reflectors, wireless communication with the **HandyPROBE**, management of the exchanges with the computer and storage of the sensor parameters.



TECHNICAL SPECIFICATIONS

Weight (**HandyPROBE**)	450 g (1 lb)
Dimensions (**HandyPROBE**)	204 x 159 x 97 mm (8 x 6.26 x 3.8 in)
Weight (**C-Track 780**)	5.5 kg (12 lbs)
Dimensions (**C-Track 780**)	1089 x 174 x 119 mm (43 x 6.9 x 4.7 in)
Measurement speed	30 points/s
Single point accuracy*	25 µm (0.001 in)
Volumetric performance*	85 µm (0.003 in)
Operating volume	7.8 m^3 (273 ft^3)
Operating temperature range	15-40 °C (59-104 °F)
Operating humidity range (non-condensing)	10-90%
Universal power supply	100-240 VAC/50-60Hz
Certifications	EN 301 489-1, EN 301 489-3, EN 300 220-1

**Test methods in compliance with the ASME B89.4.22 standard*

COMPATIBLE SOFTWARE

- µLog and Metrolog XG
- PolyWorks
- PowerINSPECT
- Prelude INSPECTION
- Inca 3D

Other software platforms: Please contact our experts at info@creaform3d.com

INCLUDED

- **HandyPROBE** probing stylus
- **C-Track 780** dual-camera sensor
- Calibration stick
- Tripod
- Renishaw straight styli mounted on an adaptor for auto-repositioning
- Carrying case
- Universal power supply
- Three positioning reflectors at 45°
- 1-year warranty on parts and labor

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