NEW

DISCOVER THE BEST MEASURING ARM. YOURS.

CREAFORM

AMETEK®
ULTRA PRECISION TECHNOLOGIES
The HandyPROBE Next™ portable optical CMM provides measurement accuracy that is insensitive to the instabilities of any environment. Free of any rigid measurement setup, the part, optical tracker and wireless probe can all be moved at any time during the measurement sequence. Specifically designed for use on the shop floor, the system offers unmatched flexibility and a wider measurement volume than other portable CMMs.

Free of any rigid measurement setup, the MetraSCAN 3D™ optical CMM scanner provides shop floor measurement accuracy that is insensitive to the instabilities of the environment. With its extendable measurement volume, incredible speed and impressive data acquisition proficiency with challenging materials, it represents the most complete metrology-grade 3D scanner on the market and a practical alternative to traditional portable CMMs.

- **Sturdy design for shop floor hardware reliability**
- **2X more accurate**
- **Smart probe adapter**
- **Instant measurement**
- **25% lighter**
- **1.5X more accurate**
- **12X faster with 7 laser crosses**
- **Tackles black, multicolored and shiny surfaces**
- **Multi-function buttons for easier interaction with the software**

Included with both systems, the C-Track™ optical tracker is at the core of the Creaform optical CMM’s ability to perform real-time dynamic referencing of its scanning and probing devices as well as targets on a part. Built with high-end optical components, the C-Track drives the metrology-grade measurements of the whole system.

**Versatility of the measurement system:** probing for geometrical entities and scanning for complete surface inspection.

**Same level of accuracy regardless of the environmental instabilities, user experience level, and setup rigidity.**

**Flexible measurement volume that can be easily and dynamically extended without loss in accuracy or conventional leapfrogs.**
## TECHNICAL SPECIFICATIONS

### HandyPROBE Next™

<table>
<thead>
<tr>
<th>Weight</th>
<th>0.5 kg (1.1 lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accuracy</strong>&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>Up to 0.025 mm (0.0010 in.)</td>
</tr>
<tr>
<td><strong>Single Point Repeatability</strong>&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>9.1 m³ (320 ft³)</td>
</tr>
<tr>
<td><strong>Volumetric Accuracy</strong>&lt;sup&gt;(3)&lt;/sup&gt;</td>
<td>0.086 mm (0.0034 in.)</td>
</tr>
<tr>
<td><strong>Single Point Repeatability</strong>&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>16.6 m³ (586 ft³)</td>
</tr>
<tr>
<td><strong>Volumetric Accuracy</strong>&lt;sup&gt;(3)&lt;/sup&gt;</td>
<td>0.122 mm (0.0048 in.)</td>
</tr>
</tbody>
</table>

### MetraSCAN 350™

<table>
<thead>
<tr>
<th>Weight</th>
<th>1.38 kg (3.0 lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accuracy</strong>&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>Up to 0.040 mm (0.0016 in.)</td>
</tr>
<tr>
<td><strong>Volumetric Accuracy</strong>&lt;sup&gt;(3)&lt;/sup&gt;</td>
<td>9.1 m³ (320 ft³)</td>
</tr>
<tr>
<td><strong>Volumetric Accuracy</strong>&lt;sup&gt;(3)&lt;/sup&gt;</td>
<td>16.6 m³ (586 ft³)</td>
</tr>
</tbody>
</table>

| Resolution | 0.050 mm (0.0020 in.) |
| Measurement Rate | 205,000 measurements/s | 480,000 measurements/s |
| Scanning Area | 225 x 250 mm (8.8 x 9.8 in.) | 275 x 250 mm (10.8 x 9.8 in.) |

---

<sup>(1)</sup> Typical value for diameter measurement on a calibrated sphere artefact.

<sup>(2)</sup> Based on the ASME B89.4.22 standard. The probe of the HandyPROBE Next is located within a conical socket. Individual points are measured from multiple approach directions. Each individual point measurement is analyzed as a range of deviations in X, Y, Z (value = range/2).

<sup>(3)</sup> Based on the ASME B89.4.22 standard. Performance is assessed with traceable length artefacts by measuring these at different locations and orientations within the working volume of the C-Track (value = maximum deviation).

<sup>(4)</sup> The volumetric accuracy performance of the HandyPROBE Next/MetraSCAN 3D is dependent on the working volume in which the measurement is made: 9.1 m³ (320 ft³) or 16.6 m³ (586 ft³).

---

Creaform Inc. (head office)
5825 rue St. Georges
Lévis, Quebec G6V 4L2, Canada
Tel.: 1.418.833.4446 | Fax: 1.418.833.9588
info@creaform3d.com | www.creaform3d.com

Creaform U.S.A. Inc.
1590 Corporate Drive
Costa Mesa, CA 92626 USA
Tel.: 1.855.939.4446 | Fax: 1.418.833.9588

Authorized Distributor

HandyPROBE, HandyPROBE Next, C-Track, MetraSCAN 3D, MetraSCAN 350, MetraSCAN 750, and their respective logos are trademarks of Creaform Inc. © Creaform Inc. 2016. All rights reserved. Y1.