



# HDI COMPACT 3D SCANNERS

## Good Things Comes in Small Packages

The HDI Compact is a 3D scanning solution that combines the ease of use of a consumer-grade 3D scanner with the output of a professional 3D scanning system—capturing high resolution 3D scans at sub-thousands of an inch accuracy. This turnkey system is small yet powerful, with a sleek solid aluminum body weighing less than 2 kilograms. It is a plug and play system, ready to use right out of the box within minutes of setup.

## STUNNING QUALITY SCAN RESULTS

With the click of a button, the HDI Compact captures 3D scans containing approximately 1 to 5 million data points from real-world objects. The 5 megapixel model is ideal for 3D scanning extremely small objects with an impressive accuracy of up to 12 microns (0.012mm) per scan.

## READY TO SCAN WITH SIMPLE SETUP



Simply connect the HDI Compact scanner, install the included FlexScan3D software on your computer, and the system is ready for scanning. No need to calibrate or recalibrate after scans, saving you time and improving on productivity.

## HIGH SPEED BLUE LIGHT SCANNING

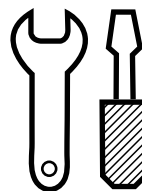
The HDI Compact is a non-contact measurement solution using blue LED structured-light technology. The system provides full field scanning at an ultrafast scan speed of a fraction of a second. It works great as a standalone desktop 3D scanner, integrating into systems, or embedding into devices.

## AUTOMATING THE 3D SCANNING PROCESS

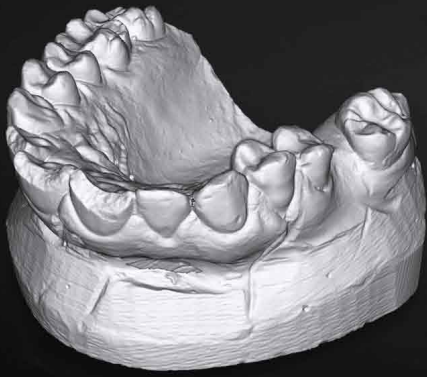


Eliminate the tedious process of manually scanning an object. Automating the 3D scanning process is especially a time saver when scanning similar objects in volume. Use a rotary turntable to revolve the scan target in 360 degrees. The HDI Compact captures the scans in minutes and merges them together to create a full digital 3D model. For larger fields of view, multiple scanners can be linked together using one computer to further reduce the scan time.

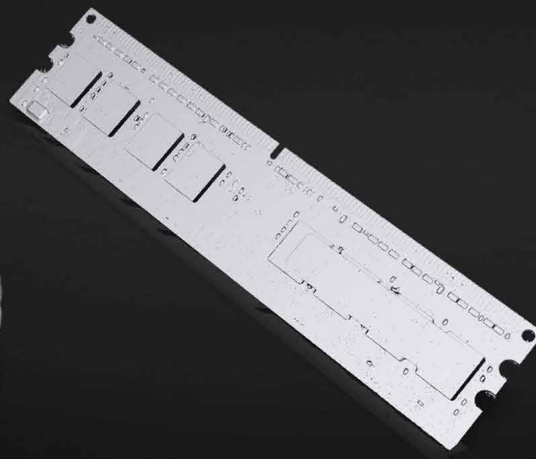
## BUILT IN POST-PROCESSING CAPABILITIES



Process scan data at the capturing stage with FlexScan3D. The software has aligning, merging, and hole filling capabilities transform 3D scans into a complete digital 3D model. Export the output for use in applications including 3D visualization, reverse engineering, and quality inspection.



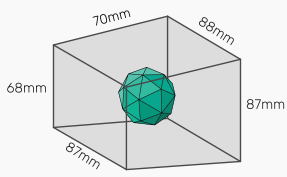
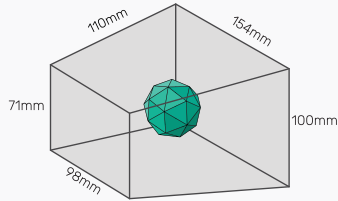
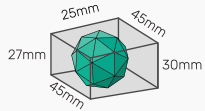
Dental Mold



Computer Memory Card



Metal Part

|                                  | HDI COMPACT C109   | HDI COMPACT C210  | HDI COMPACT C506   |
|----------------------------------|--|---|--|
| <b>Cameras</b>                   | 2 x 1 monochrome megapixel cameras   | 2 x 2 monochrome megapixel cameras  | 2 x 5 monochrome megapixel cameras   |
| <b>Dimension (mm)</b>            | 49 x 100 x 155   | 49 x 146 x 190  | 49 x 136 x 170   |
| <b>Weight (kg)</b>               | 1.04   | 1.7   | 1.52   |
| <b>Scanning Software</b>         | FlexScan3D   | FlexScan3D  | FlexScan3D   |
| <b>Scan Speed (milliseconds)</b> | 300  | 250   | 333  |
| <b>Depth of Field (mm)</b>       | 70   | 110   | 25   |
| <b>Field of View (mm)</b>        | 68 x 87 - 87 x 88<br> | 71 x 98 - 100 x 154<br> | 27 x 45 - 30 x 45<br> |
| <b>Resolution</b>                |  |   |  |
| Average Points                   | 985,000 per scan   | 2 million per scan  | 5 million per scan   |
| Average Polygons                 | 1.97 million per scan  | 4 million per scan  | 10 million per scan  |
| Point to Point Distance (mm)     | 0.08 - 0.10  | 0.06 - 0.09   | 0.020 - 0.025  |
| <b>Accuracy</b>                  | Up to 34 microns   | Up to 35 microns  | Up to 12 microns   |
| <b>Clearance Distance</b>        | 157mm  | 164mm   | 87mm   |
| <b>Geometry Formats</b>          | PLY, OBJ, STL, ASC, FBX, 3D3   |   |  |

**Computer Requirements**

Windows 7 (64-bit) Operating System, Quad-core Intel 2 GHz CPU or better, 4 GB Memory or greater, 512 MB Video Card, Free disk space 250 GB Hard Drive or more