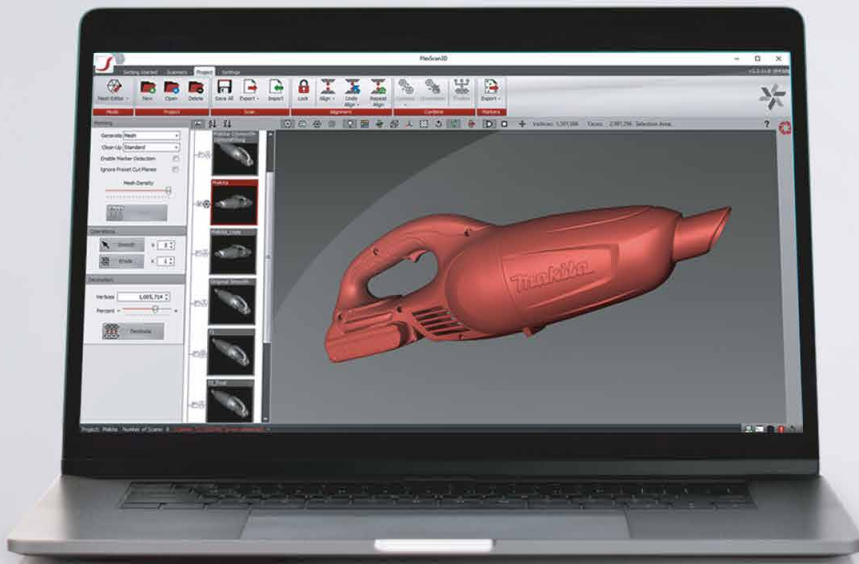




# Compact 3D Scanners

Get Industrial Quality Results, Every Time.



The Polyga Compact professional 3D scanners are factory calibrated for repeatable measurement accuracy you can trust. Start 3D scanning in no time.



PLUG IN THE SYSTEM



INSTALL THE SOFTWARE

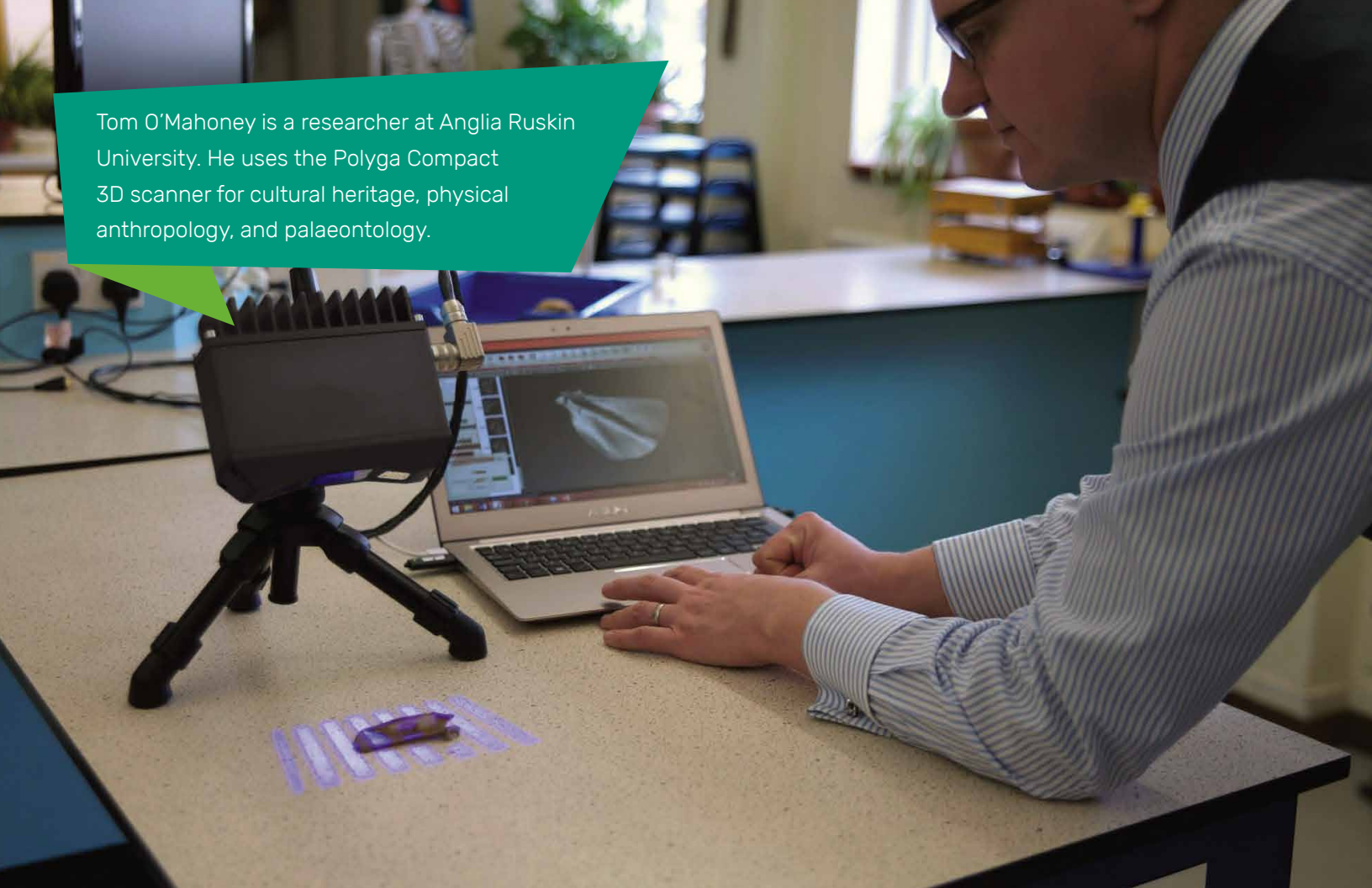


READY FOR SCANNING

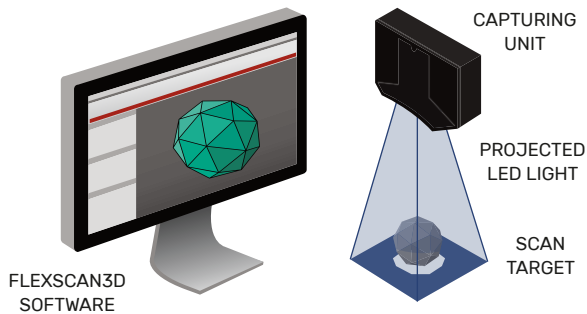
These desktop 3D scanners are ready to capture 3D scans with millions of surface measurement points accurately only minutes after setup. They take digital 3D scans of real-world objects with the click of a button, [saving you time and improving on productivity.](#)



Tom O'Mahoney is a researcher at Anglia Ruskin University. He uses the Polyga Compact 3D scanner for cultural heritage, physical anthropology, and palaeontology.



## FULL FIELD SCANNING



The Compact series is a non-contact measurement solution using LED structured-light technology. The system provides full-field scanning at an ultrafast scan speed of 1 second.

## IMPRESSIVE SCAN QUALITY

With the click of a button, the Compact series of desktop 3D scanner captures industrial quality 3D scans containing 1 to 5 million 3D data points (*depending on the model*) from real-world objects. Designed for demanding industry applications, you can depend on them for accurate and repeatable results.

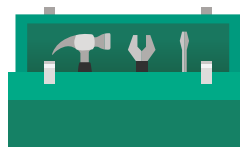
## VERSATILE AND READY TO GO



Polyga Compact desktop 3D scanners are slim and portable.

The systems work great as standalone desktop 3D scanners. They can also be easily integrated into systems or embedded into devices. They are easy to take along for travelling. Put one in your suitcase or travel case and you are ready to go.

## BUILT IN POST-PROCESSING CAPABILITIES



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

# Polyga Compact

## Professional 3D Scanner Models

### MODEL L

Large Field of View



Field of View (mm):  
265 x 225 – 375 x 345

### MODEL C

Industrial



IP67 Rated Housing  
Dust proof and water resistant



Durable Exterior  
Solid aluminum body

Scan Small Objects



C210

Field of View (mm):  
98 x 71 – 154 x 100



C506

Field of View (mm):  
45 x 27 – 45 x 30



C504

Field of View (mm):  
13.2 x 12.1 – 15.0 x 13.0

Entry-Level

### MODEL S

## Compact S1

### Affordable 3D Scanner

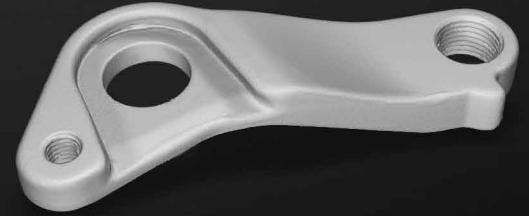
Delivering high-quality results rarely seen  
in an entry-level professional system



Field of View (mm):  
65 x 58 – 90 x 80



Handheld Vacuum Cleaner  
(Polyga Compact L6)

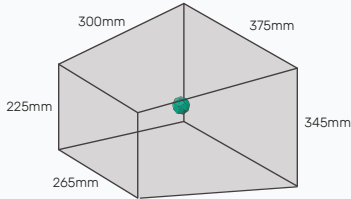
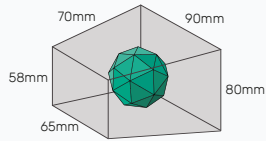


Bicycle Derailleur  
(Polyga Compact S1)

**COMPACT L6**

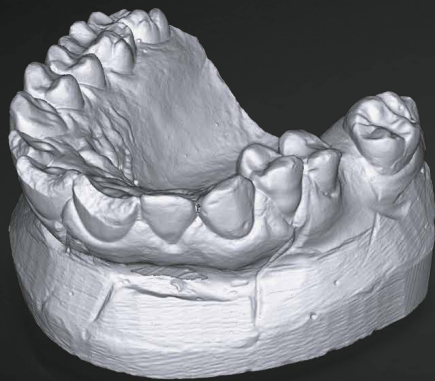
**COMPACT S1**

**NEW**

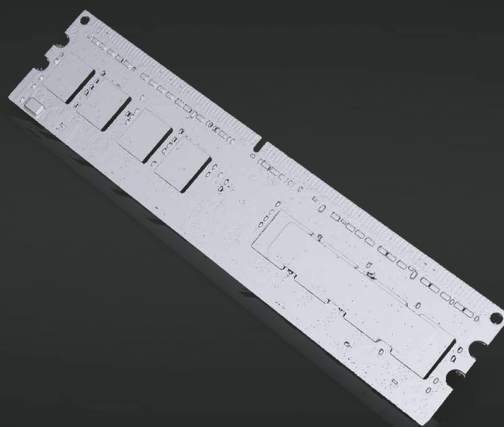
<b>Cameras</b>	2 x 3 monochrome megapixel cameras	2 x 1.3 monochrome megapixel cameras
<b>Dimension (mm)</b>	55 x 129 x 400	58 x 270 x 158
<b>Weight (kg)</b>	2	2
<b>Scanning Software</b>	FlexScan3D	FlexScan3D
<b>Scan Speed (milliseconds)</b>	1200	500
<b>Depth of Field (mm)</b>	300	70
<b>Field of View (mm)</b>	265 x 225 - 375 x 345 	65 x 58 - 90 x 80 
<b>Resolution</b>		
Average Points	3 million per scan	1.2 million per scan
Average Polygons	6 million per scan	2.4 million per scan
Point to Point Distance (mm)	0.18	0.07
<b>Accuracy</b>	Up to 80 microns	Up to 40 microns
<b>Clearance Distance (mm)</b>	680	220
<b>Geometry Formats</b>	PLY, OBJ, STL, ASC, FBX, 3D3	

**Minimum 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



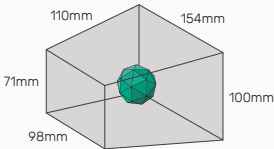
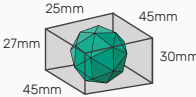
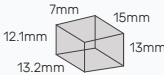
Dental Mold  
(Polyga Compact C210)



Computer Memory Card  
(Polyga Compact C506)



Metal Drill Bit Tip  
(Polyga Compact C504)

	<b>COMPACT C210</b>	<b>COMPACT C506</b>	<b>COMPACT C504</b>
<b>Cameras</b>	2 x 2 monochrome megapixel cameras	2 x 5 monochrome megapixel cameras	2 x 5 monochrome megapixel cameras
<b>Dimension (mm)</b>	49 x 146 x 190	49 x 136 x 170	49 x 152 x 178
<b>Weight (kg)</b>	1.7	1.52	1.77
<b>Scanning Software</b>	FlexScan3D	FlexScan3D	FlexScan3D
<b>Scan Speed (milliseconds)</b>	250	333	166
<b>Depth of Field (mm)</b>	110	25	7
<b>Field of View (mm)</b>	98 x 71 - 154 x 100 	45 x 27 - 45 x 30 	13.2 x 12.1 - 15.0 x 13.0 
<b>Resolution</b>			
Average Points	2 million per scan	5 million per scan	5 million per scan
Average Polygons	4 million per scan	10 million per scan	10 million per scan
Point to Point Distance (mm)	0.06 - 0.09	0.020 - 0.025	0.0067- 0.0071
<b>Accuracy</b>	Up to 35 microns	Up to 12 microns	Up to 6 microns
<b>Clearance Distance (mm)</b>	164	87	51.5
<b>Geometry Formats</b>	PLY, OBJ, STL, ASC, FBX, 3D3		

**Minimum 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

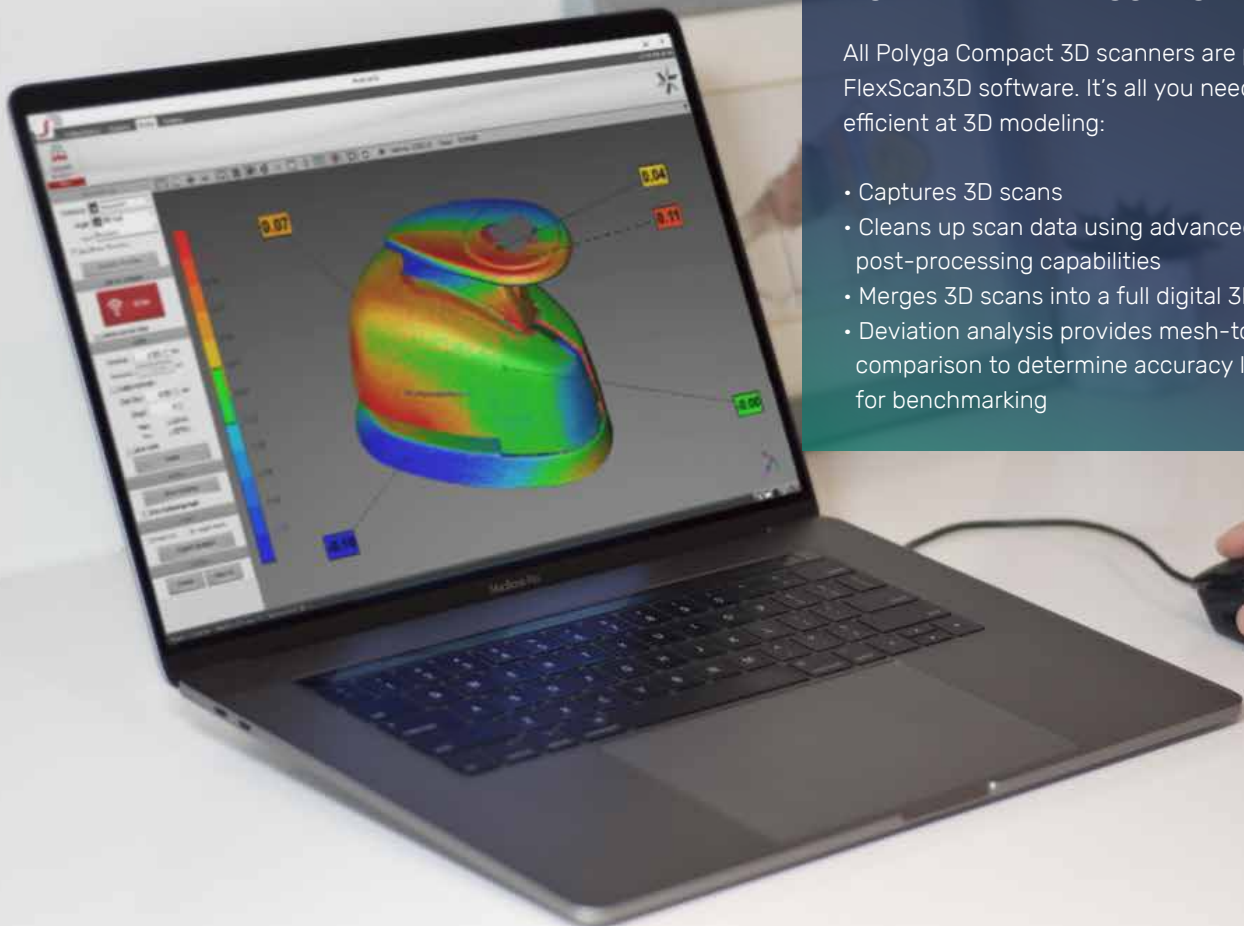
# Powerful 3D Scanning Systems



## 360° AUTOMATING THE 3D SCANNING PROCESS

Eliminate the tedious process of manually scanning an object. Use a rotary turntable to revolve the scan target in 360 degrees. The Polyga Compact 3D scanners capture the scans in minutes and merge them together to create a full digital 3D model.

Automation is a time-saver, especially when 3D scanning similar objects in volume. Reduce manual work and get amazing results every time.



## DO IT ALL IN FLEXSCAN3D

All Polyga Compact 3D scanners are powered by FlexScan3D software. It's all you need to be efficient at 3D modeling:

- Captures 3D scans
- Cleans up scan data using advanced post-processing capabilities
- Merges 3D scans into a full digital 3D model
- Deviation analysis provides mesh-to-mesh comparison to determine accuracy level and for benchmarking