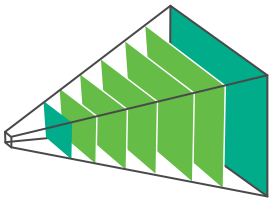
POLYGA CARBONXL 3D SCANNER

Get The Most Flexibility and Control In A 3D Scanning System

Polyga CarbonXL 3D scanner was developed out of a growing need for a professional system that delivers more flexibility and control. The new model has a wider adjustable field of view and a brighter projector compared to the original Carbon model. The CarbonXL is what you need if you are looking to scan a variety of objects of different sizes. Do it all with one system.

ADJUSTABLE FIELD OF VIEW

The Polyga CarbonXL has a flexible slider mount to create a diagonal field of view ranging from 70mm to 800mm. Place two cameras on the mount to create any field of view you want.

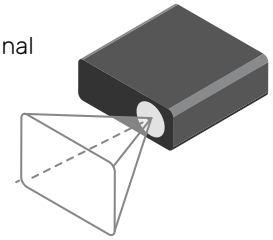


DELIVERING PROFESSIONAL RESULTS

The system generates approximately 4.9 million points per scan at an accuracy of up to 25 microns for a 70mm field of view.

BRIGHTER PROJECTION

The Polyga CarbonXL uses a projector with more lumens compared to the original model to achieve higher quality results. The system can scan farther away and scan darker objects much easier.

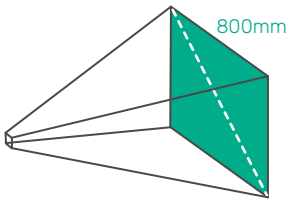


PACK IT TO GO

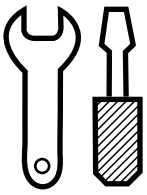
The 3D scanner's detachable railing system makes it easy to disassemble for storage or traveling to an off-site location.

LARGE FIELD OF VIEW

The CarbonXL creates the largest diagonal field of view out of all the Polyga 3D scanners at 800mm.



POWERFUL BUILT IN POST-PROCESSING AND INSPECTION TOOLS



The Polyga CarbonXL comes with FlexScan3D, a powerful scanning software. It has aligning, merging, and hole filling capabilities to transform 3D scans into a complete digital 3D model. It also comes with basic inspection tools for deviation analysis.

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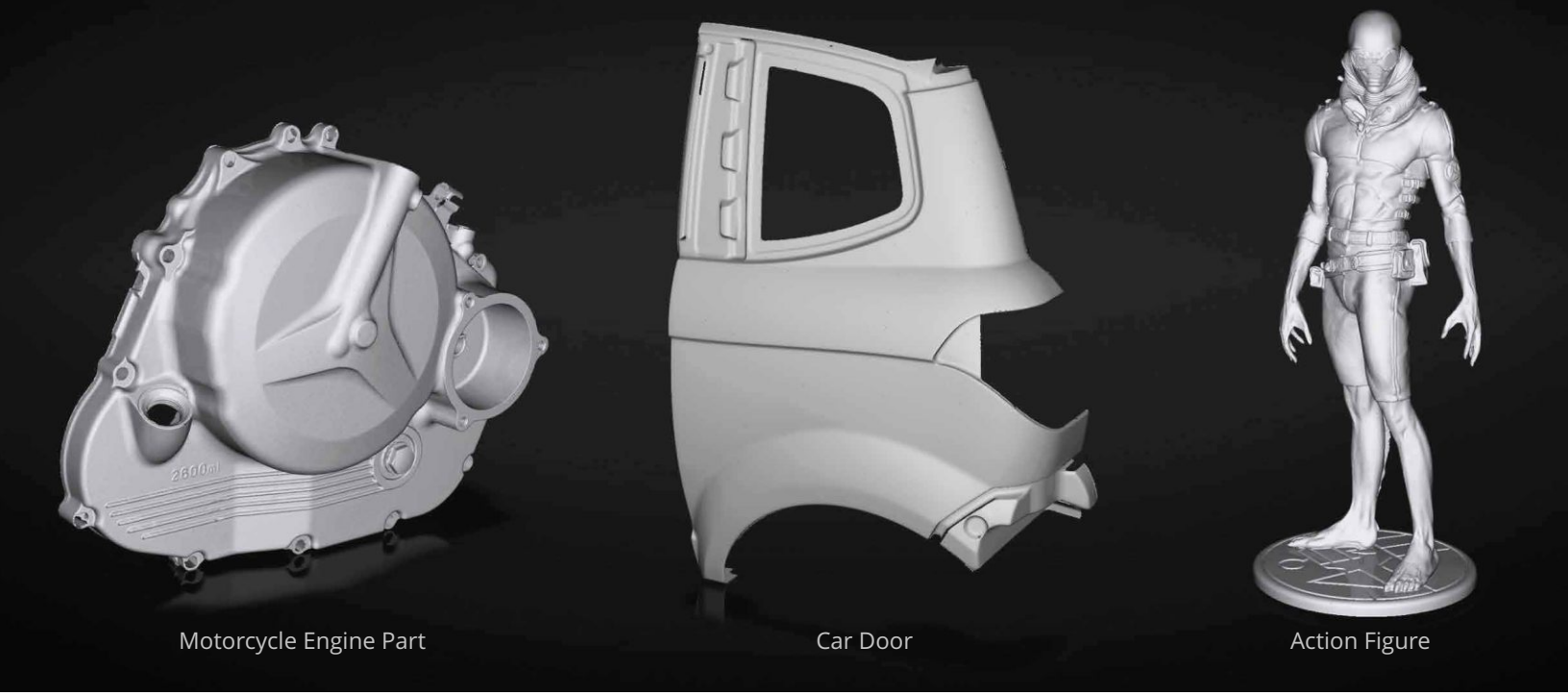

Motorcycle Engine Part | Car Door | Action Figure

TECHNICAL SPECIFICATIONS

Cameras	2 x 5 megapixel cameras (monochrome/color)
Dimension (cm)	30.4 x 40.6 x 20.3
Scanning Software	FlexScan3D
Scan Speed	1.2 seconds per scan
Field of View (FOV) Adjustable to scan objects of different shapes and sizes	Adjustable from 70 to 800 mm diagonal (dependent on camera position on mount)
Resolution	
Average Points	4.9 million per scan
Average Polygons	10.1 million per scan
Point to Point Distance	70mm FOV: 0.027mm 800mm FOV: 0.26mm
Accuracy	70mm FOV: 25µm (0.001") 800mm FOV: 70µm (0.0028")
Standoff	70mm FOV: 160mm from front of rail mount 800mm FOV: 1280mm from front of rail mount
Geometry Formats	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

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