

## Artec Group

3D Scanning Technologies

### Artec MH 3D Scanner

The Artec MH 3D Scanner or 'Walle' is a 3D video camera that captures video, each single frame of which is a three-dimensional image.

The scanning process becomes extremely straightforward, simply walk around the object capturing it with the camera from various angles, while the accompanying software automatically combines all the scanned frames into a single mesh.

#### NO MARKERS REQUIRED

There is no need to place countless markers all over the object to scan it. The software uses the unique geometry of the object itself to properly align the captured 3D frames and fuse them together.

#### HIGH SPEED AND ACCURATE

Thanks to an outstanding measuring speed of up to 1.5 million points per second, the Artec MH 3D scanner performs measurement acquisition dozen times faster than laser scanners, while providing high resolution and high accuracy, up to 0.02mm.

#### PORTABILITY

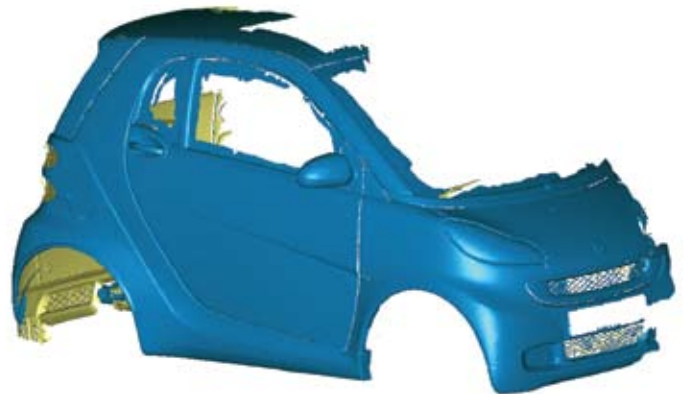
The Artec scanner is a handheld device that can be easily moved to and around immobile objects or those that can be touched.

#### WIDE RANGE OF APPLICATIONS

There are very few limits for the Artec MH 3D scanner; architecture, medical, prototyping, sport, education, manufacturing, film, animation, computer graphics, and fashion are just a few industries where this unique technology has been applied.

#### FLEXIBLE SOFTWARE

The scanner comes with superb software which guides the user through the scanning process and the steps of data post processing until the final 3D model is produced. The model produced transfers seamlessly into popular downstream applications such as Geomagic Studio, Rapidform, 3D Studio Max, Maya, and Z Brush. Common industry output formats are supported including, STL, OBJ, WRL and PLY.



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**SPECIFICATIONS**

Data Acquisition Speed	500,000 points/sec
Dimensions HxDxW	180 x 187 x 260mm
Weight	1.4 Kg
Light Source	Flash Bulb (no laser)
Working Distance	0.4-1.0 m
Video Frame Rate	15fps
Exposure Time	0.0001 s
<b>3D Resolution</b>	
-single frame mode	1 mm
-multi frame mode	upto 0.2mm
<b>3D Accuracy</b>	
- single frame mode	0.15mm
-multi frame mode	0.05mm
Output Formats	OBJ, STL, PLY, WRML
Processing Capacity	40 000 000 triangles/1GB RAM