

CENTRAL SCANNING

3D digitizing and verification



EVA

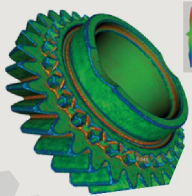
Artec's fastest structured-light 3D handheld scanner

Space Spider

Metrological device for superior precision

Long-term repeatability in data capture

Automatic temperature stabilization



Thorough analysis in Artec Studio

- Get all the needed measurements, including the surface size and the volume of your model
- Compare your scans and models
- Annotate your 3D object



Fast and accurate

Eva scans fast, capturing and simultaneously processing up to two million points per second with up to 0.1mm accuracy



Speed and precision

Artec Space Spider processes up to one million points per second and produces images of extremely high resolution (up to 0.1 mm) and superior accuracy (up to 0.05 mm)



Target free

No object preparation needed. Start scanning from the word go



Portability

Lightweight and battery compatible, you can take Artec scanners anywhere. The Artec battery pack provides power for up to 6 hours of scanning

Artec Studio professional 3D data processing software

Scan with Artec Studio advanced 3D data processing software for editing data fast and effectively using Artec's unparalleled algorithms. Then export the results into a wide range of formats: OBJ, PLY, WRL, STL, AOP, ASCII, Disney PTX, E57, XYZRGB, CSV, DXF, XML

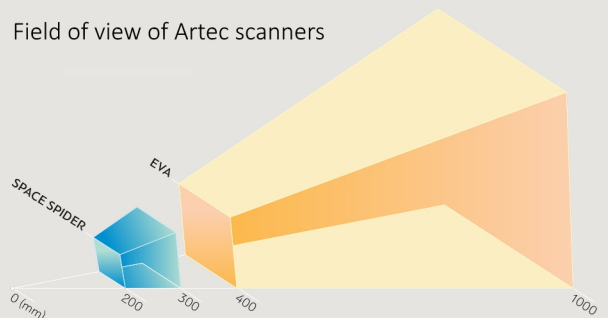
Use models in a wide range of software:



Battery pack



Field of view of Artec scanners



EVA

SPACE SPIDER

Ability to capture texture	Yes	
3D resolution, up to	0.5 mm	0.1 mm
3D point accuracy, up to	0.1 mm	0.05 mm
3D accuracy over distance, up to	0.03% over 100 cm	
Texture resolution	1.3 mp	
Colors	24 bpp	
Light source	flash bulb	blue LED
Working distance	0.4 – 1 m	0.2 – 0.3 m
Linear field of view, H×W @ closest range	214×148 mm	90×70 mm
Linear field of view, H×W @ furthest range	536×371 mm	180×140 mm
Angular field of view, H×W	30 x 21°	
Video frame rate, up to	16 fps	7.5 fps
Exposure time	0.0002 s	
Data acquisition speed, up to	2 million points/s	1 million points/s
Multi core processing	Yes	
Dimensions, H×D×W	261.5×158.2×63.7 mm	190×140×130 mm
Weight	0.85 kg / 1.9 lb	
Power consumption	12V, 48W	12V, 24W
Interface	1 x USB 2.0, USB 3.0 compatible	
Output formats	OBJ, PLY, WRL, STL, AOP, ASCII, PTX, E57, XYZRGB	
Output format for measurements	CSV, DXF, XML	
Processing capacity	40 million triangles / 1GB RAM	
Supported OS	Windows 7, 8 or 10 – x64	
Minimum computer requirements*	i5 or i7 recommended, 12Gb RAM	i5 or i7 recommended, 18Gb RAM
Calibration	no special equipment required	

*Please refer to www.artec3d.com for detailed hardware requirements.

Approved public sector and education supplier

