Artec 3D

Artec Studio 11

Artec Studio 11
Ultimate
For use with Artec 3D scanners and 3rd party sensors

Artec Studio 11
Professional
For use with Artec 3D scanners

Ultimate

Maximize Artec's algorithms and use the software together with a range of sensors, as well as with all Artec scanners.

Compatible 3D scanners: **Artec Eva, Eva Lite, Space Spider and Spider**

Compatible sensors: **Kinect for Windows V2 and V1, Intel RealSense F200 (IVCAM), Intel RealSense R200 (DS4), PrimeSense Carmine, ASUS Xtion sensors, XYZprinting 3D Scanner**

Professional

Use all of Artec Studio's advanced features for scanning and processing 3D data exclusively from Artec scanners.

Compatible with Artec scanners: **Artec Eva, Eva Lite, Space Spider and Spider**

Available as a yearly subscription, ensuring you are always up-to-date with the very latest improvements, or as a one off lifetime purchase

Official Artec 3D Reseller

GoMeasure3D

Phone: (434) 946-9125
Email: sales@gomeasure3d.com
Web: www.gomeasure3d.com

Artec 3D

ARTEC
STUDIO 11

INDUSTRY ACCLAIMED SOFTWARE
for professional 3D scanning and data processing

Now new and experienced users alike can easily achieve high accuracy 3D scans

MAKING ACCURATE 3D MODELS
HAS NEVER BEEN SO STRAIGHTFORWARD

HOW TO MAKE A 3D MODEL
THE WORKFLOW EXPLAINED

AUTOPILOT NEW

An advanced smart mode which guides users through post-processing in a few easy steps, automatically selecting the most effective settings for your data and producing a high precision 3D model.

HIGH PRECISION

Whether you choose Autopilot or manual mode, Artec Studio never compromises on precision.

OPTIONAL ADVANCED SETTINGS

Artec Studio features a full range of advanced settings giving experienced users full control and flexibility.

DIRECT COMPATIBILITY WITH CAD NEW

Artec Studio 11 features direct export to Design X and SOLIDWORKS, making the scan to CAD process even easier.

EASY SCANNING

Artec Studio's best in class texture and geometry tracking means you don't need to put targets on your object. Just point and shoot!

BUILT WITH SPEED IN MIND

Powerful algorithms that process your data in seconds

Automated features to save you time

PORTABLE 3D SCANNING AND PROCESSING

Scan and process your data all on a tablet! Combine this with the Artec battery pack, and you have a fully mobile 3D scanning solution!
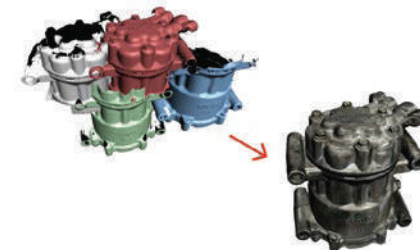
SCAN WITH 3D SENSORS

A great way to start exploring the world of 3D scanning: the Artec Studio Ultimate edition is also compatible with 3D sensors, so you can learn all the skills you need to be a true 3D scanning professional.
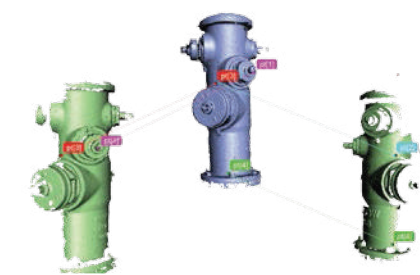

WORKFLOW 1
AUTOPILOT

For highly accurate results in a few easy, automated steps.

Scan your object and then enter Autopilot to process all your data automatically.

Perfect for beginners to achieve professional, high precision results. A great time saver for advanced users.

WORKFLOW 2
MANUAL MODE

For highly accurate results, with full control and flexibility during the process.

Scan your object and choose the post-processing settings yourself. Advanced users have a full range of powerful tools to manipulate their 3D data exactly as they like.

WORKFLOW 3
BUILD YOUR 3D MODEL AS YOU SCAN

For instant results, with no post-processing.

Using Real-Time Fusion scanning mode, move the scanner around the object and see your model being built as you go.

Perfect for scanning simple objects, such as limbs or torso, or for getting a quick preview.

EXPORT YOUR MODEL TO A WIDE RANGE OF POPULAR SOFTWARE

AUTODESK.   DS SOLIDWORKS   Geomagic®   blender

MORE ABOUT PROCESSING 3D DATA

AUTOPILOT MODE
FAST, AUTOMATED POST-PROCESSING

Whether you are new to 3D scanning and require step-by-step guidance in 3D data processing, or are an experienced user looking to speed up your workflow, Artec Studio's breakthrough automated processing features set a new horizon in 3D scanning.
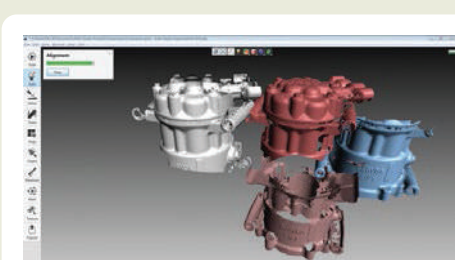
\ Automatically applies the optimal post-processing algorithms for your object in order to achieve the best possible result

\ Full post-processing timeline, totally automatic

\ Perfect for beginners, a great time saver for advanced users

USING THE AS AUTOPILOT,
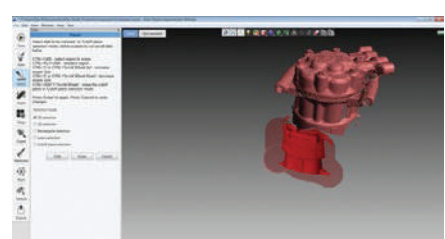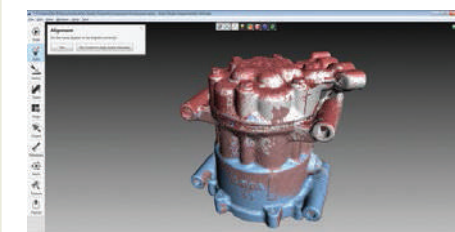### RUN THROUGH 4 EASY STEPS TO AN ACCURATE, WATERTIGHT 3D MODEL
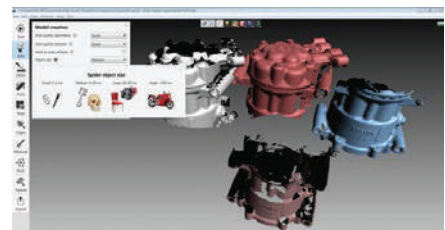
STEP 1
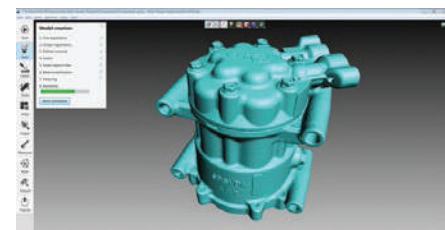*Answer a few simple questions about your object and the type of 3D model you need*

STEP 2
Delete any unwanted scanned data

STEP 3
Auto align your data in one click

STEP 4
Autopilot applies the best processing algorithms to your data
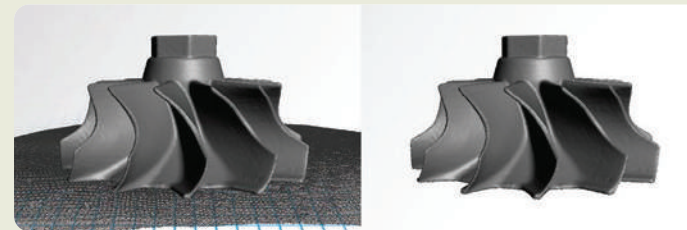
RESULT
A high precision 3D model

MANUAL MODE
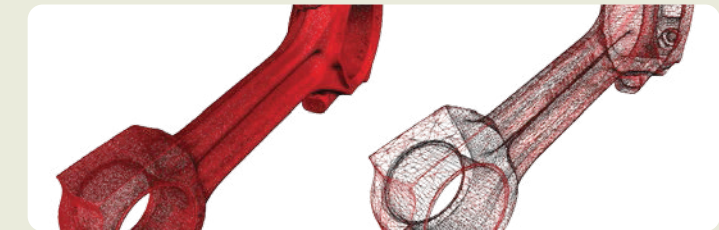### CONTROLLED MANUAL PROCESSING AT BREATHTAKING SPEED

Artec Studio 11 also features a full range of tools for you to process your 3D model manually, giving you full control over your data.

Included are many features which streamline your workflow, making it even faster to achieve the results you need.

AUTOMATIC BASE REMOVAL

Automatically delete the base your object was scanned on. No need to manually erase that table, stand, or floor!

SMART GEOMETRY EDITING

Touch up your 3D model in a few quick clicks with Artec Studio's intuitive geometry editing tools.

FAST, ACCURATE SCAN ALIGNMENT

Auto-align for quick, easy processing. Now 95% of objects can be auto-aligned with total accuracy at the click of a button.

SIMPLIFY YOUR MESH IN A FLASH

Optimize the size of your 3D model file by reducing the number of polygons from millions to thousands while maintaining the high quality of the mesh.

APPLY TEXTURE AT LIGHTNING SPEED

Now up to 10 times faster than in Artec Studio 10.

RAPID, AUTOMATIZED AND PRECISE TEXTURE EDITING

Use Artec Studio's advanced algorithms to automatically map texture where data is missing.

ANALYZE YOUR 3D MODEL

\ Measure the surface and volume of your 3D model

\ Export linear, geodesic and sections measurements in DXF, CSV and XML

\ Annotate your 3D model

\ Compare scans and models with surface distance maps

COMPARE ARTEC STUDIO
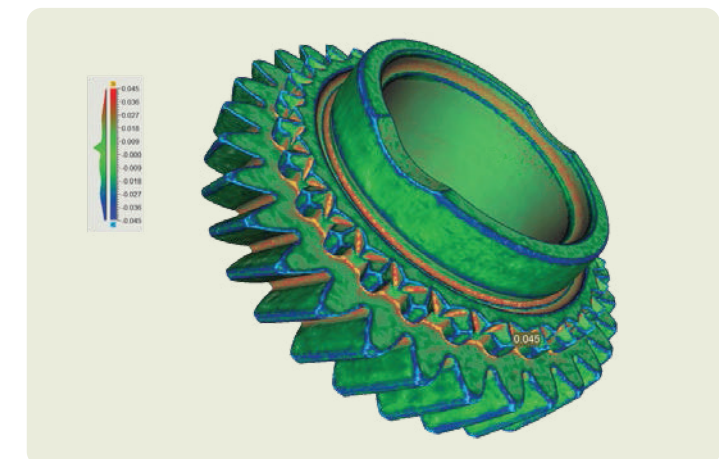
EXPORT TO YOUR PROFESSIONAL APPLICATION

DIRECT SCAN TO CAD

Artec Studio 11 has been successfully integrated with indispensable tools for engineers, product developers and designers to provide them the fastest and smoothest path from 3D scan to CAD. Now you can export your 3D model to 3D Systems Design X in just one click. And by installing either the DezignWorks or Geomagic plugin on your computer, there's nothing simpler than landing your 3D model in SOLIDWORKS, – just press the "Export to SOLIDWORKS" button in Artec Studio for a fast, seamless workflow.

PUBLISH YOUR 3D MODEL ONLINE
Upload to the internet and embed your 3D model on your site

POPULAR 3D EXPORT FORMATS
Export your 3D model into the format you need:
OBJ, PLY, WRL, STL, AOP, ASCII, Disney PTEX, E57, XYZRGB

WHAT ELSE DO I NEED TO KNOW ABOUT ARTEC STUDIO?

FULL-FEATURED GUI

Artec Studio comes with a full-featured interface that allows you to manipulate your 3D models. Includes:

\ Projects and built-in Undo/Redo

\ 3D editing tools (eraser, smoothing brush, transformation tools)

\ Advanced 3D processing algorithms, including: auto-align, hole filling, mesh smoothing, filtration, edge smoothing and much more

LOCALIZATION FOR 10 LANGUAGES:
Chinese, Czech, English, French, German, Italian, Japanese, Polish, Russian and Spanish

	Artec Studio version		
FAST, AUTOMATIC PROCESSING FEATURES	9	10	11
Autopilot: A-Z post-processing pipeline			o
Automatic base removal	Manual	Manual	Automatic or Manual
Auto-align your scans	o	Texture based only. 65% of scan data sets can be auto-aligned	Texture + Geometry based. 95% of scan data sets can be auto-aligned
Mesh simplification	o	90% faster than AS9	90% faster than AS9
ADVANCED PROCESSING: STREAMLINED FOR FULL CONTROL AT SPEED			
Non-rigid alignment	Limited functionality: for two meshes only	Full functionality: For multiple meshes	Full functionality: For multiple meshes
Auto texture correction		o	o
Texture mapping	o	Up to 5 times faster than AS9	Up to 10 times faster than AS10
Texture healing brush		o	o
MEASUREMENT TOOLS			
Full set of measurement tools: Linear, geodesic, sections, distance maps, volume, annotations, CSV, DXF, XML export	o	o	o
DIRECT SCAN TO CAD			
Direct export to Design X			o
Direct export to Solidworks			o
EXPORT FORMATS			
Full range of export 3D formats: OBJ, PLY, WRL, STL, AOP, ASCII, Disney PTEX, E57, XYZRGB	o	o	o
BREATHTAKING VISUALS			
Glossy 3D model rendering: shows full detail of scans			o
New UI design			o
EASY SCANNING			
Real-time fusion: object size	Only small objects	Only small objects	No limit to object size
Real-time fusion: tracking	o	o	Boosted
Real-time fusion: improved visualization for easier scanning			o
Texture and geometry tracking	o	o	o
Tracking alignment correction		o	o
Sensitivity control	o	o	o
3rd party sensor support	Microsoft Kinect V1, ASUS XTion, PrimeSense Carmine	Ultimate Edition: Microsoft Kinect V1 & V2, ASUS XTion, PrimeSense Carmine, Intel RealSense F200 (IVCAM), Intel RealSense R200 (DS4)	Ultimate Edition: Microsoft Kinect V1 & V2, ASUS XTion, PrimeSense Carmine, Intel RealSense F200 (IVCAM), Intel RealSense R200 (DS4)
Scanning on MacOS	Boot Camp	Boot Camp	Artec ScanApp [beta]
MOBILITY: TABLET COMPATIBILITY			
UI adapted for tablet use			o
Full functionality and support for Microsoft Surface Pro 4 tablet			o
VIDEO CARD COMPATIBILITY			
NVIDIA Quadro			o
NVIDIA GeForce 400 Series or higher	o	o	o
AMD	o	o	o
Intel Series 4600 and higher			o