SHINING 3D

Seamlessly convert 3D scans to CAD

EXModel

EXModel is a powerful bridge that simplifies CAD modeling from 3D scanning to manufacturing. It provides a comprehensive set of tools that enable you to create professional-grade CAD digital models that are compatible with your CAD software.

Effortless Mesh Processing

Say goodbye to complexity. EXModel seamlessly extracts all necessary elements, bridging the gap between 3D scanning and CAD design, ensuring a smooth transition from scan to design.

Precision CAD Creation

Craft high-quality CAD designs directly with EXModel's intuitive free-form and parametric modeling tools. With an intuitive guide at your fingertips, unleash your creativity and bring your ideas to life with unparalleled accuracy.

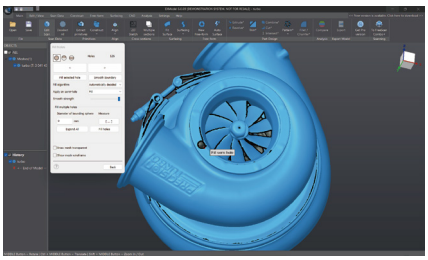
Enhanced Data Utilization

Expand the horizons of 3D data application with EXModel. Elevate customer experiences by effortlessly repairing mesh and exporting aligned and booleaned data for seamless 3D printing, speeding up manufacturing timelines and ensuring precision in every print.

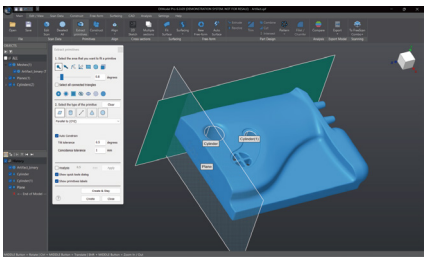
Cost-Effective Solution

Experience the ultimate value with EXModel. As the most cost-effective mesh processing and reverse engineering all-in-one solution, it empowers you to simplify models for simulation, edit and repair data, and transform physical parts into custom CAD designs—all while keeping costs low and productivity high.

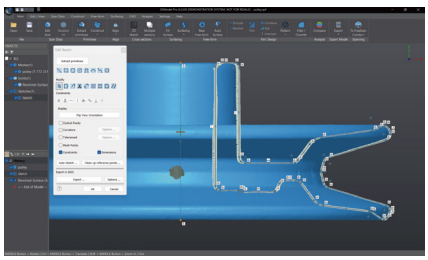
Key Features of EXModel



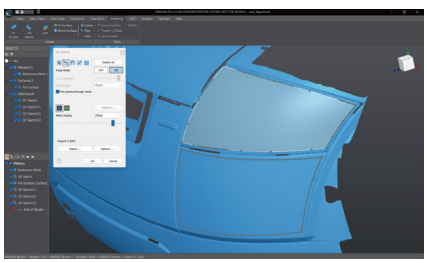
Mesh Editing



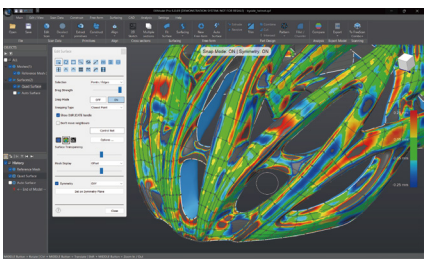
Primitives Extraction



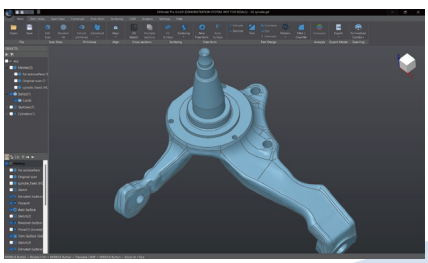
Constrained 2D Sketching*



3D Sketching & Fill Surface*



Free-form Modeling & Auto Surfacing

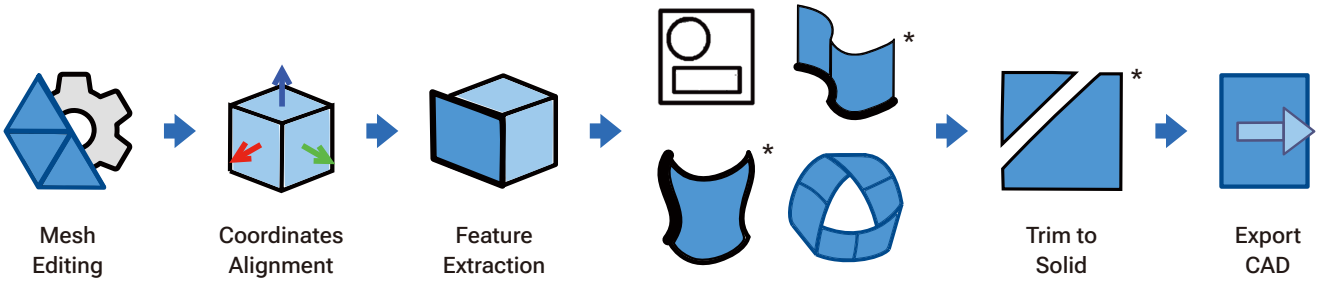


Hybrid Modeling*

*Function features marked with asterisk are available in EXModel Pro.

Workflow

3D Scan EXModel Pro CAD



Mesh Editing | Coordinates Alignment | Feature Extraction | Hybrid Modeling | Trim to Solid | Export CAD

*Function features marked with asterisk are available in EXModel Pro.

Function Features Comparison

Feature	EXModel Pro All-in-one Reverse Engineering Solution	EXModel Bridging 3D scan mesh and CAD
Mesh Editing (Segmentation, Fill Joles and Smoothing)	✓	✓
Mesh Alignment (Coordibates/ N-points/ Fine Align)	✓	✓
Primitives Extraction/ Construct References	✓	✓
Cross Sections/ 2D Sketching/ 3D Sketching	✓	✓
Fit / Manual Free Form Modelling/ Auto Surfacing	✓	✓
Export Features/ Profile as IGES/STEP/DXF	✓	✓
Constraints/ Offset/ Patterns in 2D sketch	✓	✗
Helix/ Loft/ Sweep/ Fill Surface/ Blend surface/ Flatten	✓	✗
Extrude / Revolved surfaces	✓	✗
Trim to Solid / Cut / Combine / Intersect / Fillet / Chamfer / Patterns	✓	✗
Hybrid Modelling (Free-Form & Parametric)	✓	✗
Transfer Design and Feature Tree to other Packages	✓	✗

SHINING 3D Tech Co., Ltd.

Hangzhou, China
P: +86-571-82999050
No. 1398, Xiangbin Road, Wenyan, Xiaoshan, Hangzhou, Zhejiang, China, 311258

Hong Kong, China
P: +852 2334 8468
Flat 303B, 3/F, Tower 2, Enterprise Square 1, 9 Sheung Yuet Road, Kowloon Bay, KLN, HK, China

SHINING 3D Technology GmbH

Stuttgart, Germany
P: +49-711-28444089
Breitwiesenstraße 28, 70565, Stuttgart, Germany

SHINING 3D Technology Inc.

San Leandro, United States
P: +1(888) 597-5655
2450 Alvarado St #7, San Leandro, CA 94577

Tampa, United States
2807 W Busch Blvd, Suite 200, Tampa, FL 33618

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