EinScan HX2
Hybrid Blue Laser & LED Light

Laser Scan

Rapid Scan

The EinScan HX2 continues the innovative integration of hybrid blue laser and LED light technology, enhancing material adaptability for a broader range of applications. The advanced blue laser captures complete data from black and reflective surfaces with exceptional surface and environmental adaptability, now with 13 laser lines for more fast and detailed scans. The efficient LED light scanning requires no markers, enabling rapid 3D scanning without preparation

Full Color

With a built-in color camera, it supports full-color texture capturing and tracking in rapid scan mode. Texture Mapper Lite further simplifies photorealistic texture mapping.

Original

Scanned data by EinScan HX2 & Texture Mappler Lite

SHINING 3D

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Portable & Easy Operation

The EinScan HX2 excels in portability and ease of use with its ergonomic design and lightweight build at just 710g. Perfect for both beginners and professionals, its plug-and-play functionality and user-friendly software make 3D scanning efficient and comfortable, anywhere you go

High Accuracy & Detail

The EinScan HX2 meets the rigorous demands of industrial applications for reverse engineering and precise measurement.

Minimum point distance of 0.05 mm
Accuracy up to 0.04 mm under laser mode

HYBRID BLUE LASER & LED LIGHT

HIGH ACCURACY & DETAIL

HIGH EFFICIENCY

PORTABLE & EASY OPERATION

FULL COLOR

EXMODEL

EXModel

EXModel is a powerful bridge that simplifies CAD modeling from 3D scanning to manufacturing. With the integration of EXScan HX, you can now seamlessly import data to EXModel with a single click after completing a scan. EXModel offers 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
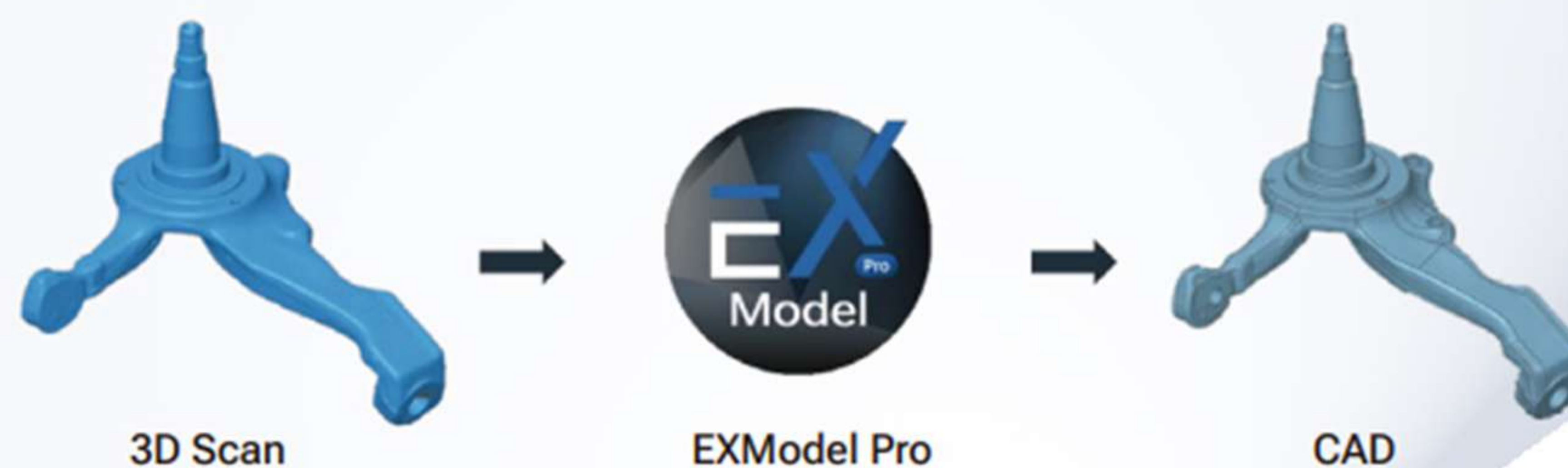
Precision CAD Creation
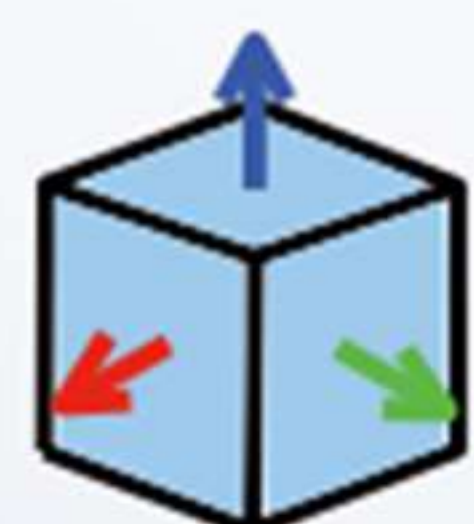
Enhanced Data Utilization

Cost-Effective Solution

Workflow

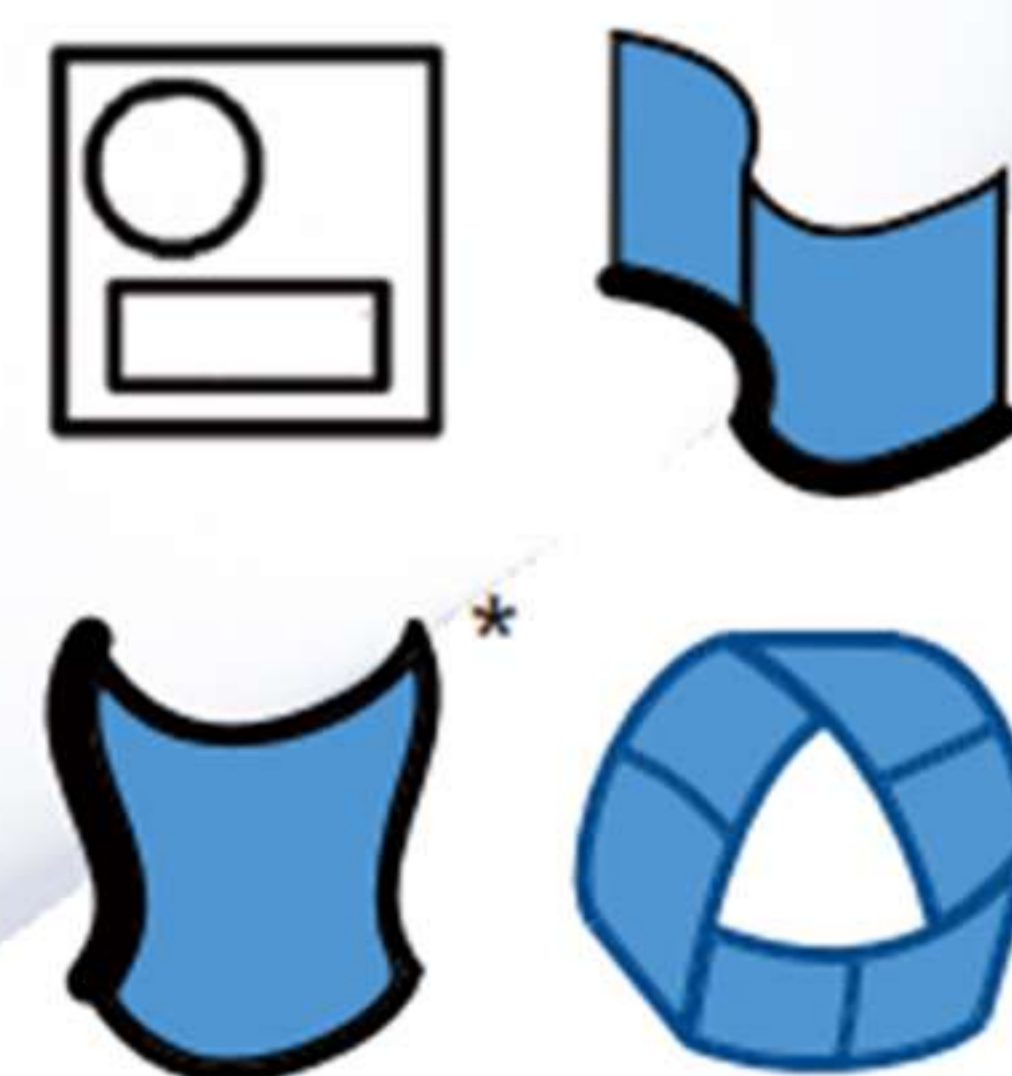3D Scan → EXModel Pro → CAD

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

*30 days Free Trial is avaible to apply to EXModel.

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

TECHNICAL SPECIFICATIONS
EinScan HX2

Scan Mode	Rapid Scan	Laser Scan
Light source	Blue LED	13 Crossed Blue Laser Lines
Scan accuracy	Up to 0.05 mm	Up to 0.04 mm
Volumetric accuracy	0.05 + 0.1 mm/m	0.04 + 0.06 mm/m
Point distance	0.25 mm-3 mm	0.05 mm - 3 mm
Working distance	470 mm	
Depth of field	200 mm - 700 mm	350 mm - 610 mm
Maximum FOV	420 × 440 mm	380 × 400 mm
Scan speed	1,200,000 points/s, 20FPS	1,600,000 points/s, 120FPS
Alignment modes	Markers, Feature, Hybrid, Texture	Markers
Safety	Eye-safe	CLASS I I (eye-safe)
Texture scan	Built-in Color Camera	No
Included software	EXScan HX	
Connectivity	USB3.0	
Output formats	OBJ; STL; ASC; PLY; P3; 3MF	
Dimensions	108 × 110 × 237 mm	
Scanner weight	745 g	
Operating temperature range	0 - 40	
Operating humidity range	10 - 90%	
Certifications	CE, FCC, ROHS, WEEE, KC	
Recommended configuration	OS: Win10/11, 64-bit; Graphics card: NVIDIA RTX3060 or better; Video memory: ≥6GB; Processor: Intel i7-12700 or better; Memory: ≥32GB	
Required configuration	OS: Win10, 64-bit; Graphics card: NVIDIA RTX2060 or better; Video memory: ≥4GB; Processor: Intel I7-8700 or better; Memory: ≥16GB	

High Efficiency

Automotive Door
1180x1300mm