QUICKsurface®

Trusted, Simple, Powerful

SCAN TO CAD

PROFESSIONAL 3D REVERSE ENGINEERING SOFTWARE



Learn More

QUICKSURFACE transforms 3D scan data into precise, fully editable CAD models. Designed for professional reverse engineering, it combines advanced Scan-to-CAD technology with AI-powered reconstruction to accelerate the transition from physical part to engineering-ready CAD - while preserving accuracy, design intent and full control over the final geometry.



01 SCAN
CAPTURE REAL-WORLD DATA

02 REVERSE ENGINEER
TURN SCAN DATA INTO ACCURATE CAD

03 EXPORT & MANUFACTURE
CONTINUE IN CAD, 3D PRINT OR CNC

FROM 3D SCAN TO CAD – TRUSTED, SIMPLE, POWERFUL

AI-Powered Scan-to-CAD

For suitable parts, QUICKSURFACE AI analyses 3D scan data and reconstructs it into editable CAD, ready to review, validate, and refine using QUICKSURFACE tools.

Fully Parametric Hybrid Modelling

Combine parametric accuracy with free-form flexibility. The hybrid environment makes building, modifying, and refining CAD straightforward and efficient.

Equipped with a Full Feature Set

Ii gives engineers and designers everything needed to turn scan data into complete, manufacturable CAD models. A full professional toolset for real-world reverse engineering.

Precise Free-Form & Automatic Surfacing

Whether you need precise free-form shapes or fast automatic surfacing, QUICKSURFACE delivers the best of both worlds for reconstructing complex geometry.

Accurate Alignment

Align scan data by features, scan-to-scan, or scan-to-CAD. Robust alignment tools ensure precision and help prevent costly errors later in the workflow.

Advanced Modelling Tools

Access tools such as roll/unroll, helix, draft, move face, loft, blend, shell, and thicken. Advanced CAD operations give you greater control when building and refining your model.

3D Sketching, Surface Fitting & Flattening

Sketch directly on scan data, fit surfaces to meshes, and flatten complex geometry. Turn scans into clean, editable CAD with ease.

Real-Time Deviation Control

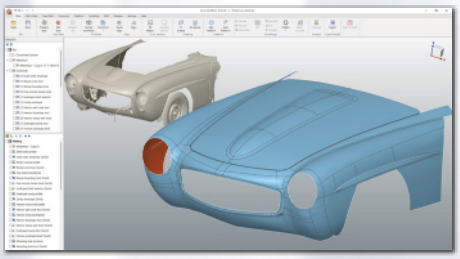
Stay in control throughout the process with real-time deviation analysis. Instantly identify potential issues and refine the model, helping ensure accuracy before moving to production.

3D Reverse Engineering Process

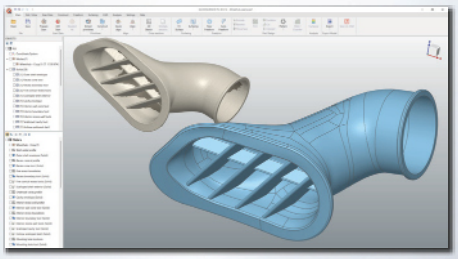


3D Reverse Engineering is a powerful way to create digital designs from a physical part.

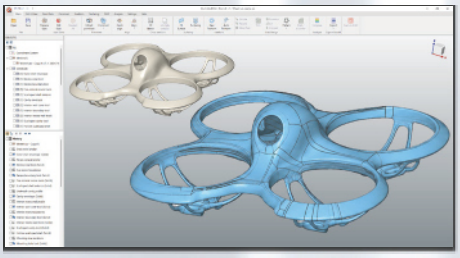
The industry's most powerful and easy-to-use software for transforming 3D scans into precise, manufacturable CAD



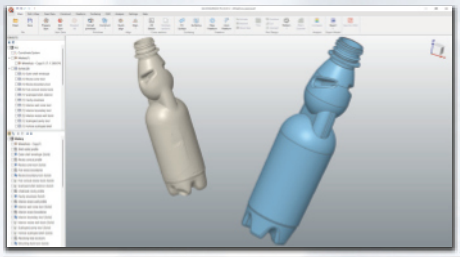
Automotive - Advanced Surfacing



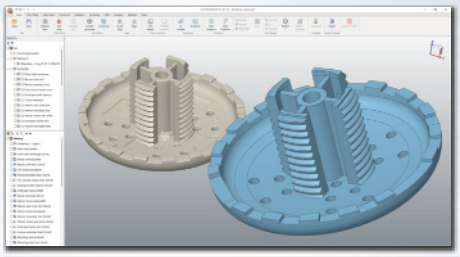
Manufacturing - Complex surfacing



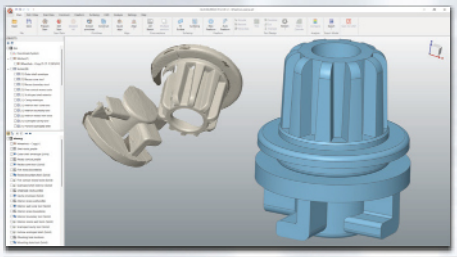
Aerospace - Automatic Surfacing



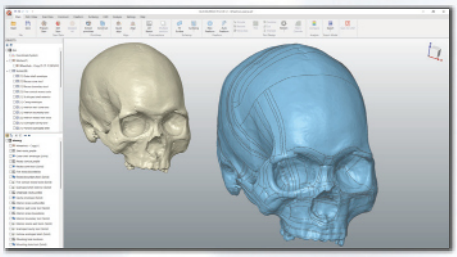
Consumer Products — Hybrid Reconstruction



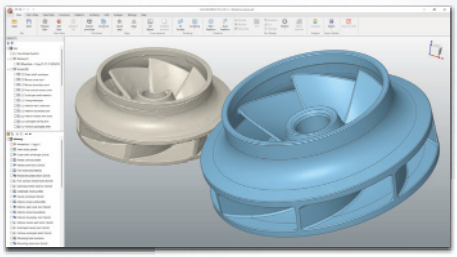
Engineering - Sketching & Threading



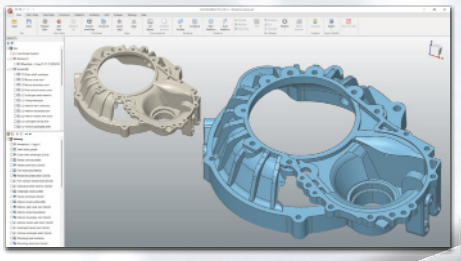
Assemblies — Parametric Modelling



Healthcare — Automatic Surfacing



Energy - Primitives & Patterns



Automotive-Parametric Reconstruction

QUICKsurface

THE BRIDGE BETWEEN 3D SCANNING AND MANUFACTURING

Automotive & Transportation
- Vehicle components
- Aftermarket parts
- Custom development

Engineering & Manufacturing
- Machinery
- Tooling
- Replacement parts

Aerospace & Defence
- Components
- Maintenance
- Engineering

Consumer Products
- Product development
- Product redesign
- Customisation

Professional & Technical Services
- Reverse engineering
- Engineering services
- Design services

Education & Research
- Universities
- Research
- Training

Energy & Resources
- Equipment
- Maintenance
- Infrastructure

Healthcare & Life Sciences
- Medical devices
- Research
- Custom components

TRUSTED BY COMPANIES AROUND THE WORLD

TUHH, LIEBHERR, HYUNDAI, BOSCH, HYMER, NASA, JETVIA, DODMAN, PANDORA, NIKE, SCHNITZER, Disney, American Airlines, HARIBO, SAFRAN, PRP, TOYOTA, Università degli Studi di Milano, OSRAM, KOMATSU, VELUX, Perrigo, SAAB, HEICO, GMX, sonova, Cranfield Aerospace Solutions, ZENTIVA, Baxter, FISKER, uOttawa, VEIGEL

Learn More

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