Scan-to-CAD

Part of the Creaform Metrology Suite™

INDUSTRY PROVEN TRUSTED SOLUTIONS

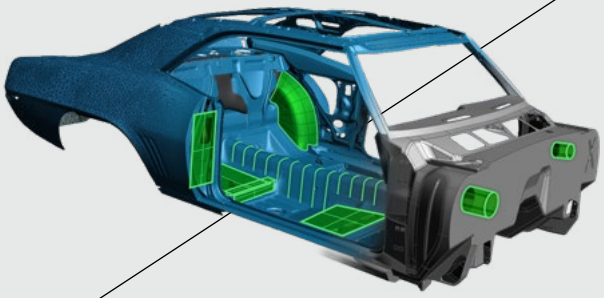
Complex and inefficient workflows make creating accurate CAD models from scan data difficult. As designers and engineers must work around limited mesh-handling functionalities in CAD software, extracting information from scan data is time-consuming and labor-intensive.

To overcome these challenges, Creaform developed Scan-to-CAD software module.

Scan-to-CAD is a post-processing software module designed to simplify feature extraction and CAD modeling from scan data. Powered by advanced mesh algorithms, it offers flexible alignment, optimized mesh editing, and a robust toolset for automatic feature creation.

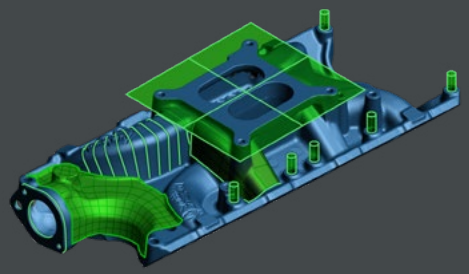
Scan-to-CAD transfers extracted geometry directly into any CAD platform. Parametric transfer is even made easier with SOLIDWORKS, giving designers a seamless path from scan to CAD in just a few clicks—boosting both efficiency and capability.

Satisfied with its performance and comprehensive toolset, thousands of professionals have endorsed Scan-to-CAD as their go-to complement to CAD software—enabling the most streamlined workflow from scan to mesh to CAD.



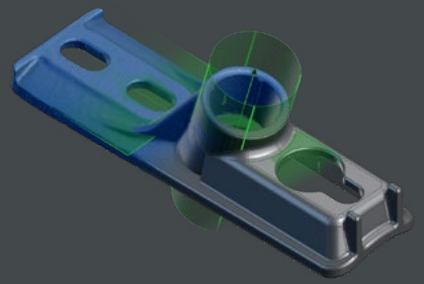
Scan-to-CAD

Scan-to-CAD is a software module tailored for product development that streamlines mesh editing, alignment, and entity creation. Designed to complement CAD software, it includes only the essential tools—offering a clean, intuitive interface for extracting valuable information from scan data. As the most user-friendly reverse engineering toolset available, Scan-to-CAD ensures a seamless scan data transfer into any CAD platform.



Scan-to-CAD Pro

Scan-to-CAD Pro is an advanced reverse engineering module built for product development engineers who want to sketch and model directly on scan data—enabling operations from cross-section extraction to solid feature creation and complete parametric CAD models, all with minimal effort. With a streamlined transition to CAD software like SOLIDWORKS, Scan-to-CAD Pro offers the easiest-to-use reverse engineering suite for feature extraction and CAD modeling.

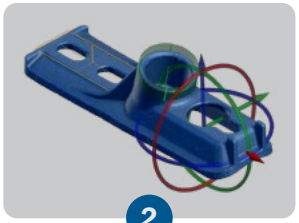


1

Mesh Editing

Save time by preparing scans for feature extraction and modeling

Turn raw scan data into clean, optimized models with minimal effort



2

Alignment

Simplify downstream sketching and modeling operations

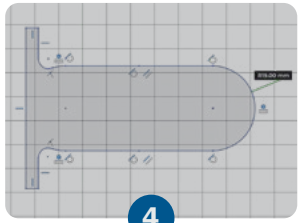
Ensure scan data is CAD-ready before export

3

Feature Extraction

Accelerate reverse engineering of complex parts

Reduce manual modeling by leveraging scan intelligence



4

2D Sketching

Draw sketches directly on scan cross-sections to create entities quickly and easily

Build the foundation for 3D models faster and more accurately

5

3D Modeling

Cut down time by modeling directly inside the scan project

Streamline transition to CAD with seamless file preparation for parametric export

6

Parametric Transfer to SOLIDWORKS

Enable easy design edits and feature-driven modeling

Simplify designs by transferring real, editable CAD models

Scan-to-CAD Transfer to CAD software

Scan-to-CAD Pro Export IGES or STEP to any CAD software

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