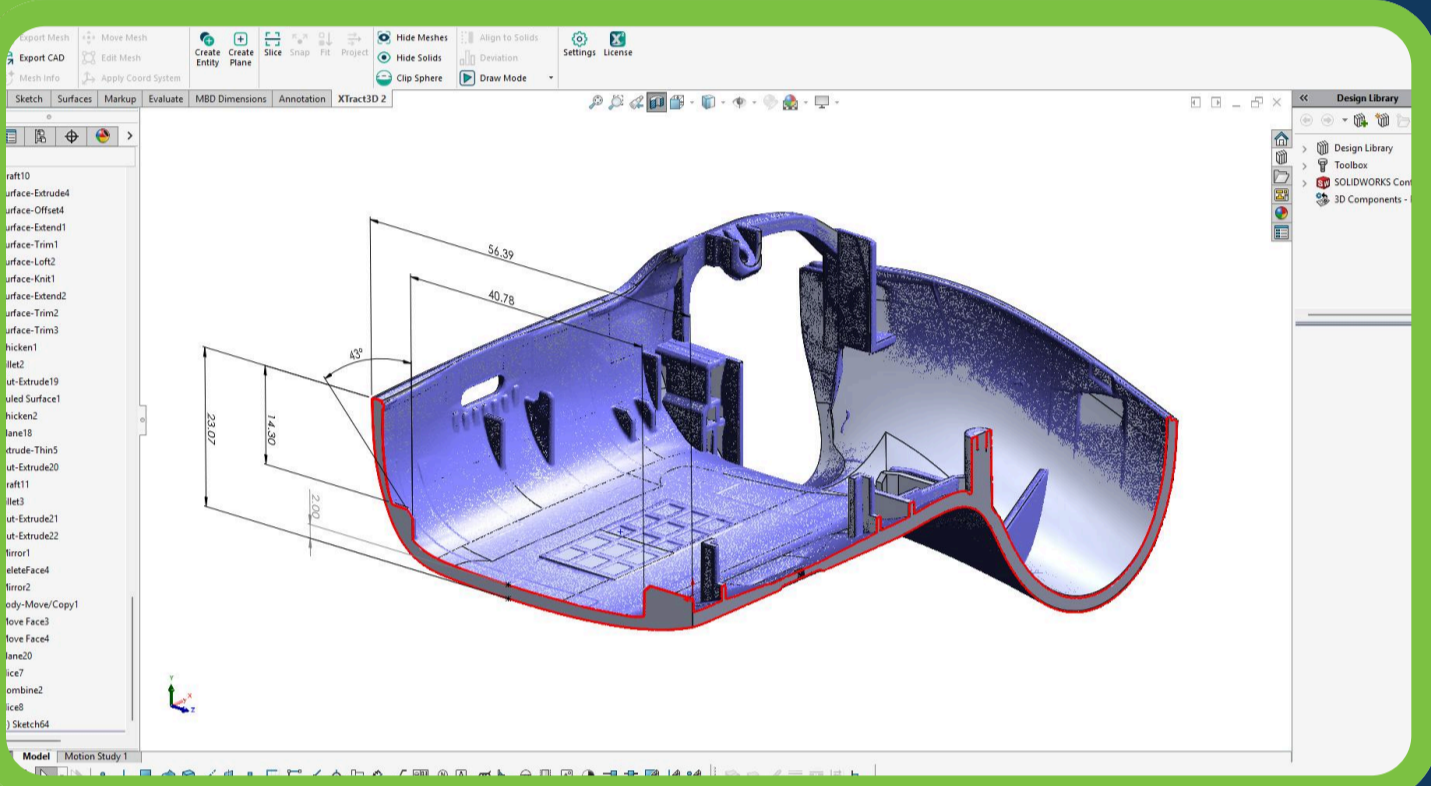


## What's New in V2?

- Re-built on the PointKit engine for speed, stability, and scale.
- Slices are stored as macro features that you can edit, show/hide, fit to selected areas, and reuse.
- External PBN data storage keeps SOLIDWORKS files light and supports very large scans.
- New Adaptive Rendering algorithms and GPU-accelerated selection and slicing makes Xtract3D 2 first-in-class for large point clouds.
- Align To Solids brings your scan data to your CAD model in a single click.
- Color-mapped deviation analysis with statistics and a shareable report.
- Flexible import and export for meshes, geospatial data, and raw point clouds.



## Who it's for

- Product design • Reverse engineering • Maintenance/retrofit • Tooling & fixtures • Heritage/archival • Inspection**

## System Requirements

- SOLIDWORKS 2022 or later
- Intel or AMD processor with 64-bit support
- 8 GB RAM minimum (16 GB recommended)
- Graphics card with 4 GB VRAM minimum
- Higher RAM/VRAM required for large point clouds

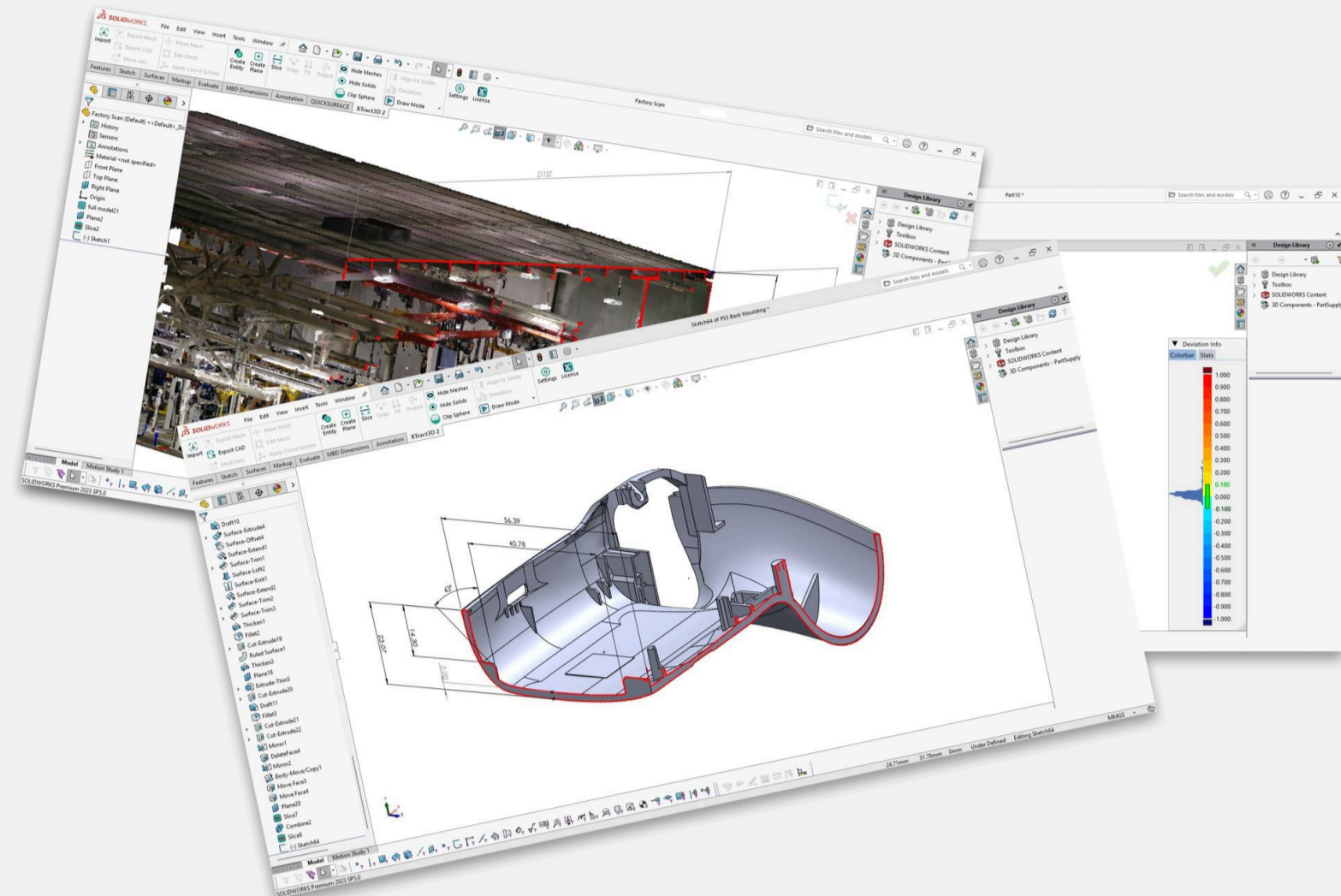
contact@polyga.com

polyga.com



# Xtract3D 2

A seamless SOLIDWORKS Add-in for reverse engineering. Build CAD directly from your scan data with ease.



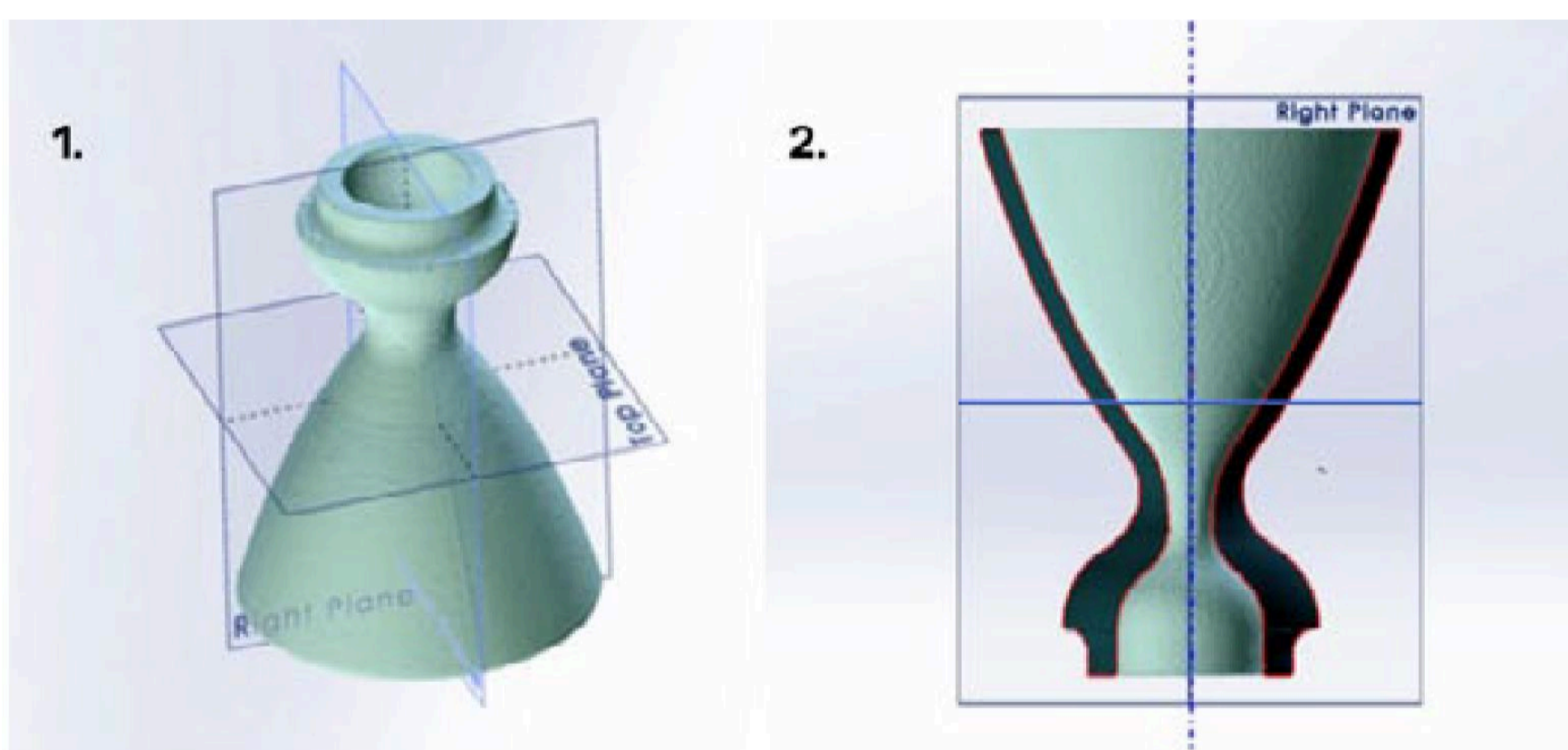
Get a free trial at [polyga.com](https://polyga.com)



## Why Engineers choose Xtract3D 2

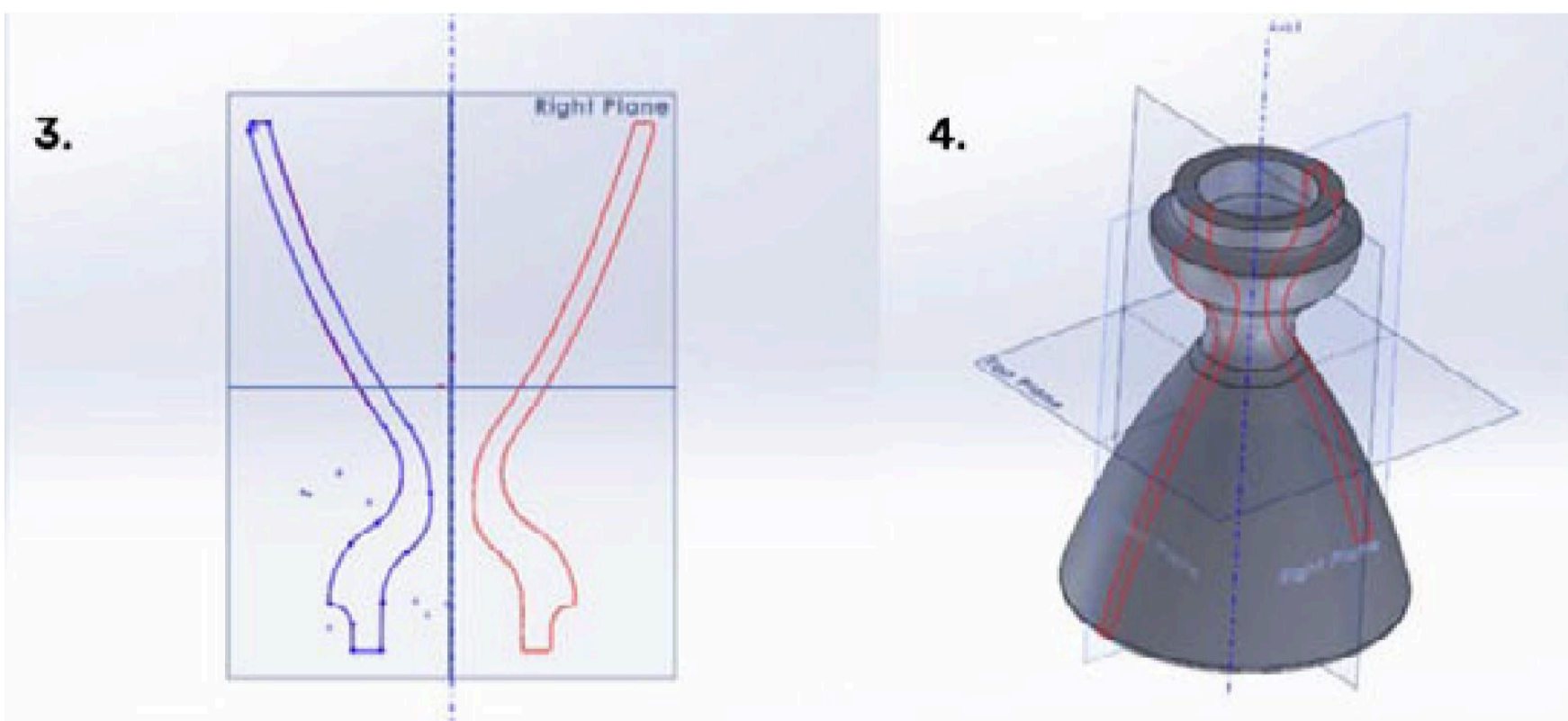
- Native SOLIDWORKS Add-in that integrates directly into your existing workflow.
- Simple slicing, snapping, and sketching workflows for robust feature creation.
- Easily handles massive point clouds and dense meshes.
- Built for performance: GPU-accelerated slicing and responsive tools.
- Direct integration with SOLIDWORKS assemblies.

## Back To Basics



1. Create and set a coordinate system on the part.

2. Slice to expose clean 2D cross-sections.



3. Sketch & fit/snap geometry directly over the scan.

4. Create features (revolve, extrude, etc.) to finish the CAD model.

## Key Capabilities

### Create & Manage Data

- Import PLY/STL/OBJ/e57/LAS/LAZ/ASC/CSV/PTS.
- Move, scale, decimate, and rebase as needed.

### Slice, Snap, Fit & Project

- Linear/radial multi-slices; snap/best-fit lines, arcs, circles; project points/curves to surfaces.

### Planes & Reference Geometry

- Best-fit planes from points or regions
- Create points, lines, and splines in 3D sketches from mesh or point cloud data.

### Visualization

- Mesh, point, and wireframe draw modes.
- Powerful visualization tools such as height maps, normal maps, and color-based views.
- Direct integration with planar SOLIDWORKS section views, plus Clip Sphere tools.

### QA/Inspection

- Deviation Analysis with statistics & callouts; easily export to a PointKit View compatible format or save HTML reports.

Try for  
free  
today!



Our approach to reverse engineering reflects how most professionals tackle these projects every day.

Xtract3D 2 handles a wide range of applications, from 2D sketches to complex 3D parts, as well as prismatic to organic surfaces.