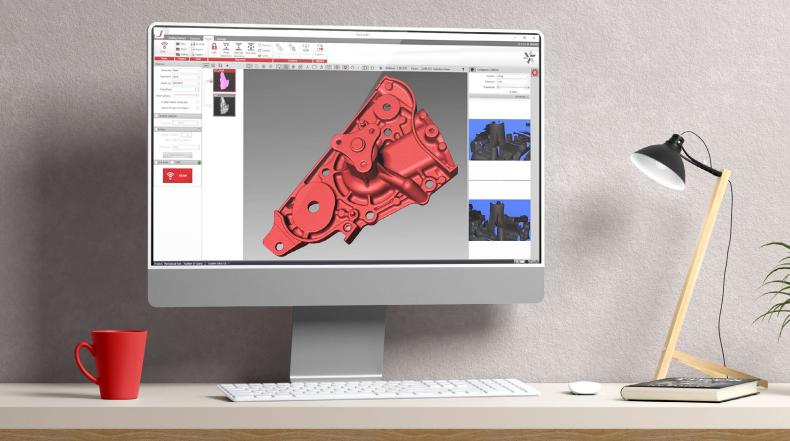# polyga

FLEXSCAN3D

Software for 3D Scanners

3D scanning software that powers Polyga's 3D scanners
enabling fast data capture and advanced post-processing and analysis capabilities.

Flexibility & Control

FlexScan3D gives you'll full control over your 3D scanner. From tweaking every scanner setting to recalibrating your system. The software has every tool you need to optimize your scanner for every project
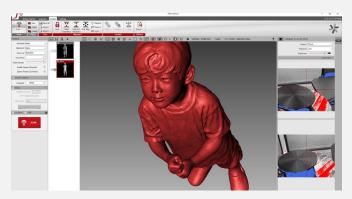
Trusted Performance

FlexScan3D has been around for more than a decade with software releases every year. You're in good hands when it comes to software reliability with powerful features and a complete workflow.

Included with every scanner

You get a comprehensive set of 3D scanning and post-processing tools to create full digital 3D models.

Robust 3D Scanning Workflow

FlexScan3D has rich post-processing tools for aligning and merging the scans into a full digital 3D model. After scanning you can position, analyze, and process the data, FlexScan3D gives you all the tools needed to convert 3D scans to useful information.

FEATURES	
Calibration	☑
Camera Live View	☑
3D Scanning: Capture in Point Cloud or Mesh	☑
Scan Alignment: Geometry, Select, Fine, or Marker Alignment	☑
Combine & Finalize: Smooth / Precise Finalize	☑
Mesh Editor: Clean up, Decimation, Smooth, Erosion	☑
Automation: Compatible with Polyga's Automatic Rotary Table for 360° 3D scanning	☑
Color 3D Scanning: Capture color and texture of an object when used with color machine vision cameras	☑
Advanced Post-Processing: Interactive Hole Filling (Select a hole or a region for hole filling. You can control the process by specifying hole filling parameters.)	☑
3D Inspection Tools: Deviation Analysis + Measurement Tools	☑
Transform Tool: Positioning 3D scan data into the world coordinate system	☑
Cut Plane Feature: Define a background plane and eliminate it automatically in all subsequent scans, capturing only scans with the target object	☑
Calibration Tuning: Ballbar Tuning	☑
Command Line Interface	☑
Scripting	☑

Powerful Integration With 3D Scanning Software SDK

FlexScan3D includes a C++/C# API library and scripting functions for developers. Customize automated 3D scanner controls and data processing tailored specifically for your applications.

Learn more at www.polyga.com/sbsdk/