

DENFORD

3D HD Scanning

AFFORDABLE, EASY TO OPERATE 3D SCANNING

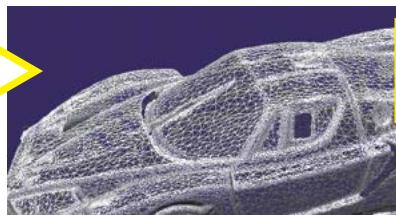


NextEngine uses 4 lasers for high scanning speeds and cleaner scan data. The scanner measures 50,000 points per second to create highly detailed digital models that can be exported on .stl, .obj and .vrmf amongst other file formats. There are no scan limits, as larger scans can easily be meshed together.

Optional software allows scanned models to be saved in CAD format for editing in 3D CAD packages such as SolidWorks.



Scan Object



Mesh File



Machine Part

NextEngine 3D Scan Solutions

In one package, everything you need to quickly scan and digitise physical objects

Schools have discovered the hands-on learning power of classroom Rapid Prototyping, with 3D input and output linked to CAD and computer generated imaging (CGI) systems. 3D Printing lets students quickly create physical models, and 3D Scanning lets them digitize reference samples and revisions to their 3D prints. Get full scanning and modelling with a low-cost NextEngine HD Scanner.

NEXTENGINE 3D HD SCANNER INCLUDES:

PRODUCT CODE



Desktop 3D Scanner

Multi-laser precision provides 127-micron measuring accuracy and texture capture for creation of highly detailed, full-colour 3D models.

NXHDS



Automated Positioner

Enables one-button alignment of multiple scans to speed 3D model creation.



SCANSTUDIO HD™

Scan Control Software

Points to MESH. Essential tools to scan, align, fuse and polish scan data for creation of fully healed mesh models ready for 3D printing or for output to CGI or CAD modelling software.

OPTIONAL:

PRODUCT CODE



SCANSTUDIO CAD TOOLS™

NXSCAD

Transforms scans into surfaces for CAD modelling. Convert scan data meshes into NURBS and transfer to CAD. Automatically section scans and output NURBS splines to CAD. Specify part top, bottom, sides, and origin before surfacing. One-button automatic surface creation through fishnet drape.



RAPID Works™

NXRPW

Brings smart physical modelling power to CAD platforms. Full-featured solution to make CAD parts from scan points. Outputs IGES, STEP, and SLDPRT for transfer to CAD systems. Full RapidformXOR2 features. The most advanced in the world. Automated feature extractor reduces drafting labour up to 90%. Fully parametric model with true SolidWorks Feature Tree output.

SYSTEM REQUIREMENTS

Windows XP, Vista 7 & 8, 64-Bit, 2.5 Ghz Dual-core, 4GB RAM, 512MB Graphics, Powered USB 2.0 Hub