



PolyWorks®

By InnovMetric Software Inc.

10

PolyWorks/Modeler™ V10

Class A Polygonal Modeling & Rapid Surfacing for Manufacturing Applications

Overview

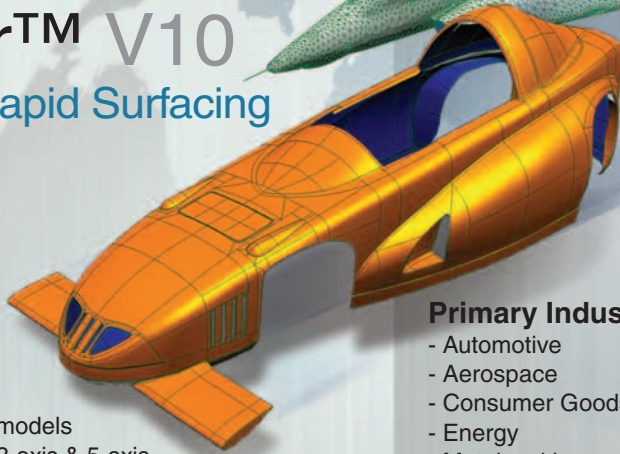
PolyWorks/Modeler is a comprehensive software solution for creating accurate and smooth polygonal models and NURBS surfaces from high-density point clouds. Preferred by automotive design studios worldwide, PolyWorks/Modeler is the only software solution that has demonstrated the capability of creating class A polygonal models for stringent polygonal manufacturing applications such as 3-axis & 5-axis milling, aerodynamic simulation, and digital review. PolyWorks/Modeler also offers a powerful rapid-surfacing methodology that delivers the most usable NURBS surfaces for CAD software such as CATIA and UG.

Key Features

- **Universal platform** that supports all high-density point cloud digitizers by importing native and neutral file formats and digitizing using plug-ins
- **Xtreme graphical user interface** that offers visual layout optimization capabilities including fully customizable menus and toolbars, ideal for corporate-wide deployment
- Complete **alignment toolbox**, including best-fit alignment of individual point clouds or multiple scanning sessions and statistical analysis
- World's best **adaptive-meshing technology** with distributed processing capability over a computer network
- Total **polygon-editing toolbox** for correcting imperfectly digitized geometry using flat and curvature-based hole filling, boundary reconstruction, sharp edge and corner reconstruction, optimization tools for simulation, and more
- **Rapid NURBS surfacing capabilities** including automatic and interactive curve network creation, support of T-junctions and 3-sided patches, automatic NURBS surface fitting with controlled G0 and G1 tolerances, and more
- **Free PolyWorks/IMView™ viewer** that maximizes corporate-wide information sharing among users, managers, and suppliers
- **Native 64-bit version** available for unlimited memory usage

Included With Each License

- Free PolyWorks training at InnovMetric's headquarters
- One year of technical support from highly-skilled application specialists with optional annual renewals
- Access to InnovMetric's on-line technical support zone
- Access to a comprehensive network of partners that provide PolyWorks service work (e.g., macro development and interface customization)



Primary Industries Served

- Automotive
- Aerospace
- Consumer Goods
- Energy
- Metalworking

Primary Applications

- Advanced Visualization
- Copy Milling
- Design and Reverse Engineering
- Rapid Prototyping
- Simulation
- Tooling Manufacturing

Supported Languages

- English
- Japanese
- German
- French
- Chinese (Simplified & Traditional)
- Spanish
- Italian

System Requirements

- Windows 32-bit Edition (XP/2000/Vista) or Windows 64-bit Edition (XP/Vista)
- Dual-core processor or two processors
- 2 GB of RAM or more
- 2 GB of free disk space and 2 GB of swap space
- OpenGL graphics board (NVIDIA is recommended)
- 3-button mouse or 2-button with wheel



InnovMetric Software Inc.
2014, Cyrille-Duquet, Suite 310
Québec QC Canada G1N 4N6
Tel. [418] 688-2061 • Fax [418] 688-3001
info@innovmetric.com
www.innovmetric.com



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