punch!CAD™ Releases

SHΛRKCAD & ViaCAD 16

With New & Exciting Features

macOS Tahoe Compatible | Windows 11 Compatible

Punch!® Software Releases Punch!CAD™ SharkCAD® & ViaCAD® 16

Introducing Advanced Design Tools and Major Updates

NOVATO, Calif., October 14, 2025 – Punch!® Software, a leading software developer of Home Design and CAD titles for over 25 years, today announced the release of new Windows and Mac versions of the SharkCAD® 16 and ViaCAD® 16 family of products.

This latest release includes a range of variants for the Windows and Mac platforms: **SharkCAD® Pro, SharkCAD®, ViaCAD® Pro, ViaCAD® 2D/3D, and ViaCAD® 2D**. These products continue to provide innovative tools for mechanical design, 3D printing, hobbyists, makers, and architectural professionals.

The updated versions introduce **over 100 new features and improvements**, focusing on performance, usability, and expanded functionality.

Unmatched Performance Gains

SharkCAD® and ViaCAD® introduce **significant** speed improvements, reducing wait times and enhancing workflow efficiency. Redraw speeds are now up to **12 times faster** for large files, while file loading sees an impressive **22-fold** boost. Importing **PDF and DWG** files is now up to **five times faster**, and printing performance for large designs has been optimized to be **up to 25 times faster**—making complex projects more manageable than ever.

Expanded Modeling and Design Tools

New features empower users with greater design flexibility. The **Arc Slot Polygon Tool** allows polygons to be created using arcs as defining edges, supporting more organic shape designs. The **integrated ISO Part Library** provides direct access to standardized **3D components** via TurboCAD Explorer Symbols. Additionally, users can now **batch export individual parts** from multi-part files, simplifying file management.

For advanced fabrication workflows, **SharkCAD® now includes Sheet Metal Tools**, offering capabilities such as **Base, Flange, Hem, Rolled Hem, and Unbend functions**—helping simulate real-world bending and forming processes.

The latest **SketchUp importer** ensures compatibility with newer versions, automatically applying **glass shaders** to transparent materials for enhanced realism.

Refined Customization and Interface Enhancements

A **revamped custom tools interface** now supports larger **m×n** icon arrays—such as **3×20** or **10×10** layouts—enhancing accessibility and workspace customization. A **new edit dialog** streamlines tool modifications, providing greater ease in workspace organization and usability.

Advanced Precision Tools for Superior Accuracy

SharkCAD® and ViaCAD® further enhance precision with new functionalities, including tools for **verifying clearance** between solids, applying **shear transformations** to curves, surfaces, and solids, and **converting text to ACIS surface faces**. These enhancements ensure greater accuracy while expanding creative possibilities for intricate design projects.

Multilingual Support for Global Accessibility

SharkCAD® and ViaCAD® now support **English, French, and German**, ensuring designers across different regions can work comfortably in their preferred language.

"The dramatic performance improvements in SharkCAD® and ViaCAD® make handling complex files faster and more efficient than ever. Designers can now focus on their creativity instead of waiting for files to load or render." — Tim Olson, Vice President of IMSI Design

"The addition of advanced sheet metal tools in SharkCAD® allows users to simulate real-world fabrication processes with greater accuracy. Combined with new modeling tools like the Arc Slot Polygon Tool, these enhancements empower engineers and designers to bring their concepts to life with precision." — Rita Buschmann, Vice President of Product Management, CAD and Home Design

The availability of features may vary depending on the model variant. Some features require Copilot Professional as an optional paid plug-in. For a comprehensive overview of feature distribution, please visit www.punchcad.com.