Punch! CAD Product Matrix

Compare Punch! CAD Features	ViaCAD 2D	ViaCAD 2D/3D	ViaCAD Pro	SHARK LT	SHARK	SHARK FX
MSRP	$49	$99	$249.99	$495.99	$1295	$1795
2D Drafting and Annotations	X	X	X	X	X	X
26 Dimension Types	X	X	X	X	X	X
Bill of Materials	X	X	X	X	X	X
250+ Drafting Tools	X	X	X	X	X	X
Advanced Drafting						
Auto 3D to 2D (Polylines)	X	X	X	X	X	X
Auto 3D to 2D (Precise)				X	X	X
Section/Detail/Auxiliary Views	X	X	X	X	X	X
GD&T				X	X	X
MarkUp and Redline				X	X	X
3D Modeling Tools						
Curves	X	X	X	X	X	X
Basic Surfaces		X	X	X	X	X
Basic Solids		X	X	X	X	X
Feature Based/History Tree		X	X	X	X	X
Shelling, Blending, Local Face		X	X	X	X	X
Advanced 3D Modeling						
Surface Analysis			X	X	X	X
Deformations			X	X	X	X
Bending Along Curve			X	X	X	X
Offset Surface			X	X	X	X
Skin w/Guides			X	X	X	X
Surface Lofting			X	X	X	X
Tangent Covers			X	X	X	X
Surface Booleans			X	X	X	X
Draft Surfaces			X	X	X	X
Trim/Join Surface			X	X	X	X
Surface Booleans			X	X	X	X
Lofting w/Guides					X	X
Tangent Cover w/Guides					X	X
Feature Patterns					X	X
MicroScribe Digitizer				X	X	X
Parametric Constraints						
13 Geometric Constraint Types					X	X
Dimension Driving Constraints					X	X
Auto Constraints					X	X
Animate Constraints					X	X
Variables and Equations					X	X
PhotoRendering						
RayTracing, Shadows, Transparency						X
Material, Decal Library						X
Environment Maps						X
Poster Size File Export, QT VR						X
Animation						
Walk Through, Flyby						X

Panoramic & Object Virtual Reality						X
Object Time Lines/Paths						X
Translators						
IGES, STEP, SAT	X	X	X	X	X	X
Adobe Illustrator™	X	X	X	X	X	X
DXF/DWG R12-2008	X	X	X	X	X	X
STL Import/Export	X	X	X	X	X	X
Rhino™ 3D Import	X	X	X	X	X	X
BMP Import	X	X	X	X	X	X
SketchUp™ Import	X	X	X	X	X	X
OBJ Export			X	X	X	X
Pro/E™					X	X
CATIA V4™					X	X
Other Features						
2D/3D Part Library	16K	26K	26K	26K	26K	26K
OpenGL Materials/Textures			X	X	X	X
Multiple ViewPorts			X	X	X	X

Product Descriptions

ViaCAD 2D
Intuitive 2D drafting application with extensive collection of tools for general purpose design or technical illustrations. Supports automatic creation of 2D views from imported 3D data and shares data with AutoCAD™ and Adobe Illustrator™ products.

ViaCAD 2D/3D
Includes more tools and functionality then many competitive CAD packages costing much more. Provides exceptional value suitable for beginners or experts. Innovative 2D to 3D user interface toggle combined with LogiCursor™ and a gigabyte of training material creates perfect environment for 2D users migrating to 3D.

ViaCAD Pro
All of the features of ViaCAD 2D/3D plus more modeling power and a large collection of materials and textures for interactive visual realism using OpenGL.

SHARK LT
Provides professional drafting features above and beyond ViaCAD.   Includes precision 3D to 2D model to sheet tools, GD&T dimensioning to meet ANSI and ISO standards, and markup tools.

SHARK
Professional CAD software that provides modeling functionality beyond retail products, includes translators to enterprise CAD system such as CATIA™ and PRO-E™ and 2D dimensional constraint management methods for rapid design iterations. Includes precision 3D to 2D model to sheet tools based on our licensed CATIA V5 technology.

SHARK FX
Add to the modeling power of *SHARK* a collection of photo realistic rendering and animation tools that bring your designs to life for web activities and presentations.