

SharkCAD Pro V10	SharkCAD V10	ViaCAD PRO V10
2D Drafting and Annotations	2D Drafting & Annotations	2D Drafting & Annotations
26 Dimension Types	26 Dimension Types	26 Dimension Types
Bill of Materials	Bill of Materials	Bill of Materials
250+ Drafting Tools	250+ Drafting Tools	250+ Drafting Tools
Advance Drafting	Advance Drafting	Advance Drafting
Section/Detail/Auxiliary Views	Section/Detail/Auxiliary Views	Section/Detail/Auxiliary Views
Customizable Grids	Customizable Grids	Customizable Grids
Auto 3D to 2D (Polylines)	Auto 3D to 2D (Polylines)	Auto 3D to 2D (Polylines)
Auto 3D to 2D (Precise)	Auto 3D to 2D (Precise)	X
GD&T	GD&T	X
MarkUp and Redline	MarkUp and Redline	X
3D Modeling Tools	3D Modeling Tools	3D Modeling Tools
Wood Working Tools	Wood Working Tools	Wood Working Tools
Push/Pull Modeling	Push/Pull Modeling	Push/Pull Modeling
Meshing	Meshing	Meshing
Curves	Curves	Curves
Basic Surfaces	Basic Surfaces	Basic Surfaces
Basic Solids	Basic Solids	Basic Solids
Feature Based/History Tree	Feature Based/History Tree	Feature Based/History Tree
Shelling, Blending, Local Face	Shelling, Blending, Local Face	Shelling, Blending, Local Face
Advanced 3D Modeling	Advanced 3D Modeling	Advanced 3D Modeling
Surface Analysis	Surface Analysis	Surface Analysis
Deformations	Deformations	Deformations
Bending Along Curve	Bending Along Curve	Bending Along Curve
Offset Surface	Offset Surface	Offset Surface
Skin w/Guides	Skin w/Guides	Skin w/Guides
Surface Lofting	Surface Lofting	Surface Lofting
Tangent Covers	Tangent Covers	Tangent Covers
Surface Booleans	Surface Booleans	Surface Booleans
Draft Surfaces	Draft Surfaces	Draft Surfaces
Trim/Join Surface	Trim/Join Surface	Trim/Join Surface
Surface Booleans	Surface Booleans	Surface Booleans
Surface Extend	Surface Extend	Surface Extend
MicroScribe Digitizer	MicroScribe Digitizer	X
Subdivision	Subdivision	Subdivision
Woodworking Joints	Woodworking Joints	Woodworking Joints
Lofting w/Guides	X	X
Tangent Cover w/Guides	X	X
Feature Patterns	X	X
G2 Edge Blending	X	X
Rib/Lip Feature	X	X
Subdivision Modeling	Subdivision Modeling	Subdivision Modeling
Quad Mesh Construction	Quad Mesh Construction	Quad Mesh Construction
Subdivide Mesh	Subdivide Mesh	Subdivide Mesh
Subdivision to NURBS	X	X
Add Loop/Bridge	X	X
PhotoRendering	PhotoRendering	PhotoRendering
RayTracing, Shadows, Transparency	RayTracing, Shadows, Transparency	RayTracing, Shadows, Transparency
Material, Decal Library	Material, Decal Library	Material, Decal Library
Environment Maps	Environment Maps	Environment Maps
Poster Size File Export, QT VR	Poster Size File Export, QT VR	X
High Definition Range Images (HDRI)	High Definition Range Images (HDRI)	X
Sketch Rendering	Sketch Rendering	X
Global Illumination	Global Illumination	X
Special Lighting Effects	Special Lighting Effects	X
Animation	Animation	Animation
Walk Through, Flyby	X	X
Panoramic & Object Virtual Reality	X	X
Object Time Lines/Paths	X	X
Translators	Translators	Translators
SolidWorks™	X	X
SolidEdge™	X	X
NX™	X	X
ParaSolids™	X	X
3D PDF Export	3D PDF Export	3D PDF Export
IGES, STEP, SAT	IGES, STEP, SAT	IGES, STEP, SAT
Adobe Illustrator™	Adobe Illustrator™	Adobe Illustrator™
DXF/DWG R12-2014	DXF/DWG R12-2014	DXF/DWG R12-2014
STL Import/Export	STL Import/Export	STL Import/Export
Rhino™ 3D Import	Rhino™ 3D Import	Rhino™ 3D Import
BMP Import	BMP Import	BMP Import
3D Studio Import/Export	X	X
SketchUp™ Import	SketchUp™ Import	SketchUp™ Import
OBJ Import/Export	OBJ Import/Export	OBJ Import/Export
Pro/E™	X	X
VDA Import/Export (PC Only)	X	X
CATIA V4™ Import/Export	X	X
CATIA V5™ Import/Export	X	X
Inventor™	X	X
Other Features	Other Features	Other Features
2D/3D Part Library: 26K	2D/3D Part Library: 26K	2D/3D Part Library: 26K
OpenGL Materials/Textures	OpenGL Materials/Textures	X
Multiple ViewPorts	Multiple ViewPorts	Multiple ViewPorts
3D Print tool	3D Print tool	3D Print tool
Externally Referenced Files	Externally Referenced Files	X
Older Versions	Older Versions	Older Versions
Shark FX v9	Shark LT v9	ViaCAD PRO v9