

PRODUCT COMPARISON V14

	MILL BASIC	MILL STANDARD	MILL PRO
2D CAD module included	Y	Y	Y
Import DXF files	Y	Y	Y
Pocketing	Y	Y	Y
Profiling	Y	Y	Y
Face Milling	Y	Y	Y
Chamfering	Y	Y	Y
Slot Milling	Y	Y	Y
Text Engraving	Y	Y	Y
Automatic Area Clearance with islands	Y	Y	Y
Spiral plunging option for pocketing.	Y	Y	Y
Ramping with arc (helical), angled or straight line approach.	Y	Y	Y
Full Tool Radius compensation (G41/G42)	Y	Y	Y
Tool Length Compensation.	Y	Y	Y
Supports 2 and 2.5 Axis Milling.	Y	Y	Y
Wireframe display of component and toolpath	Y	Y	Y
Plan, Front & Side Elevation and Iso-metric views.	Y	Y	Y
Display of tool centre-line, tool path envelope or full tool animation	Y	Y	Y
Canned cycles for milling, drilling, peck-drilling, deep-hole drilling, reaming, boring, tapping	Y	Y	Y
2D contouring control with automatic generation of lead-on and run-off	Y	Y	Y
Output to your machine tool controller via standard post processors.	Y	Y	Y

	MILL BASIC	MILL STANDARD	MILL PRO
Full Machine Tool Simulation	N	Y	Y
Import IGES, STEP and DXF files	N	Y	Y
Merge from Top to Bottom Contour	N	Y	Y
Surface of Revolution	N	Y	Y
Surfaces Defined by Two Curves	N	Y	Y
Z-Axis Profiling	N	Y	Y
Ramp Down Options	N	Y	Y
Supports 2, 2.5 and 3 Axis Milling and rotary Axes A and B.	N	Y	Y
Tooling Carousel Setup.	N	Y	Y
Display of component and toolpath in Plan, Front & Side Elevation & Iso-metric views.	N	Y	Y
Display of tool center-line, tool path envelope or full tool animation.	N	Y	Y
Supports canned cycles for milling, drilling, peck-drilling, deep-hole drilling reaming, boring, tapping, and circular and rectangular pocketing.	N	Y	Y
Simplified 2D contouring control with automatic generation of lead-on and run-off.	N	Y	Y
Z-axis profiling which allows the machining of parts that do not have vertical sides.	N	Y	Y
Merge top and bottom 2D contours to produce and machine a ruled surface	N	Y	Y
Advanced 3D Surface of revolution for core and cavity machining.	N	Y	Y
Named Layer controls with show – hide – print attributes.	N	Y	Y
Automatic parameter assignment e.g. selecting LINE can automatically set line width, style, layer etc.	N	Y	Y
All operations fully dynamic	N	Y	Y

b-Splines can be created and modified.	Y	Y	Y
Multiple Document Interface	Y	Y	Y
Cut and Paste between drawings and machining programs.	Y	Y	Y
Automatic Dimensioning in inch/metric or both. Dimensions may be Horizontal, Vertical, Parallel, Radial, Circular, Angular or Leader Line.	Y	Y	Y
Associative Dimensions		Y	Y
Customizable Toolbars and Screen Layout.		Y	Y
Built in RS232 communication package with full drip feed capability.	Y	Y	Y
Thread Milling.	N	Y	Y
Automatic Area Clearance of Any Shaped Contour with Unlimited Islands	N	Y	Y
Options for Linear, ZigZag and Spiral Machining	Y	Y	Y
Spiral Plunging Option for Pocketing	Y	Y	Y
Tapered Wall Machining on Contouring and Pocketing with Z Step Cutting	Y	Y	Y
Ramping with Arc (helical), Angled or Straight Line Approach.	N	Y	Y
Engraving capabilities that allow any text to be machined, with size, angle and mirror image options	Y	Y	Y
Text can also be machined around an arc or Contour	Y	Y	Y
Surface Machining by Defining 2 Profiles.	Y	Y	Y
Output to virtually any machine tool controller, with free built-in post processors.	Y	Y	Y
Operator Set-Up Sheets, which show tooling required and machining sequence.	N	Y	Y
Alibre CAD Plug-in – Import models directly into Dolphin.		Y	Y
	N	N	Y

	MILL BASIC	MILL STANDARD	MILL PRO
Full 3D Machining of imported models	N	N	Y
Basic 3D CAD primitives	N	N	Y
2D Geometry construction or import DXF profiles	N	N	Y
Boolean operations	N	N	Y
Dimensioning	N	N	Y
IGES, STEP, STL & DXF Import – Import files from any CAD system	N	N	Y
Geometry transformations: Rotate, Translate, Mirror, Scale	N	N	Y
Profiling – 2D & 3D Roughing and Finishing	N	N	Y
Multiple Z passes, choose Start & End points	N	N	Y
Full Tool Nose Radius compensation	N	N	Y
Tagging	N	N	Y
Climb & conventional machining	N	N	Y
Pocketing – 2D & 3D Roughing and Finishing	N	N	Y
Multiple Z passes. Zig Zag or Profile style	N	N	Y
Climb & conventional machining	N	N	Y
Machine from boundary or centre	N	N	Y
Drilling – Canned Cycles for Drill, Peck Drill, Deep Drill, Ream, Bore and Tap	N	N	Y
Full 3D Toolpath generation for any machine tool	N	N	Y
Compatibility with all CAD systems via IGES, STEP and STL import	N	N	Y
Full Machine Tool Simulation	N	Y	Y