

**CAMWorks Functionality Matrix**

	2.5D Lite	2.5D	2.5D Pro	3D	Rotary	4 axis Mill	5 axis Mill	Turn	Sync	2.5axis M/T	3 axis M/T	4 axis M/T	5 axis M/T
<b>CNC Milling Operations</b>													
<i>Automatic roughing</i>	X	X	X	X		X	X			X	X	X	X
<i>Finishing</i>	X	X	X	X		X	X			X	X	X	X
<i>Thread Milling</i>	X	X	X	X		X	X			X	X	X	X
<i>Single Point (drilling, boring, reaming, tapping)</i>	X	X	X	X		X	X			X	X	X	X
<i>Multiple setups</i>		X	X	X		X	X			X	X	X	X
<i>4 axis indexing</i>		X	X	X		X	X			X	X	X	X
<i>5 axis indexing</i>		X	X	X		X	X			X	X	X	X
<i>Tombstone machining</i>		X	X	X		X	X			X	X	X	X
<i>Rest Machining</i>		X	X	X		X	X			X	X	X	X
<i>Area Clearance</i>			X	X		X	X				X	X	X
<i>Flat Area</i>			X	X		X	X				X	X	X
<i>Z Level</i>			X	X		X	X				X	X	X
<i>Pattern project</i>				X		X	X				X	X	X
<i>Constant Stepover</i>				X		X	X				X	X	X
<i>Pencil Milling</i>				X		X	X				X	X	X
<i>Curve Project</i>				X		X	X				X	X	X
<i>3D Undercut Milling</i>				X		X	X				X	X	X
<i>4 Axis Wrapped Milling</i>					X	X	X			X	X	X	X
<i>4 Axis Simultaneous Milling</i>						X	X					X	X
<i>5 Axis Simultaneous Milling</i>							X						X

<b>CAMWorks Functionality Matrix</b>	<b>2.5D Lite</b>	<b>2.5D</b>	<b>2.5D Pro</b>	<b>3D</b>	<b>Rotary</b>	<b>4 axis Mill</b>	<b>5 axis Mill</b>	<b>Turn</b>	<b>Sync</b>	<b>2.5axis M/T</b>	<b>3 axis M/T</b>	<b>4 axis M/T</b>	<b>5 axis M/T</b>
<b>CNC Lathe Operations</b>													
2-axis turning and drilling								X		X	X	X	X
Sub Spindle Operations									X	X	X	X	X
Multi-Turret Synchronization (2 turrets)									X				
C-Axis Live Mill Turn										X	X	X	X
X/Y/Z/C Simultaneous Milling Face tools										X	X	X	X
X/Y/Z Simultaneous Milling OD (X) tools										X	X	X	X
X/Y/Z/C Simultaneous Milling OD (X) tools												X	X
B-axis indexing										X	X	X	X
B-axis Simultaneous													X
<b>Advanced Programming</b>													
Feature recognition	X	X	X	X		X	X	X		X	X	X	X
Multiple Setup Recognition		X	X	X		X	X	X		X	X	X	X
Knowledge Based Machining	X	X	X	X		X	X	X		X	X	X	X
Customizable Technology Database	X	X	X	X		X	X	X		X	X	X	X
Tolerance Based Machining	X	X	X	X		X	X	X		X	X	X	X
Toolpath Editing	X	X	X	X		X	X	X		X	X	X	X
<b>Simulation and Output</b>													
Collision detection	X	X	X	X		X	X	X		X	X	X	X
Clamps and fixtures	X	X	X	X		X	X	X		X	X	X	X
Stock models	X	X	X	X		X	X	X		X	X	X	X
<b>Machine simulation</b>													
Multiple Machine output	X	X	X	X		X	X	X		X	X	X	X
Universal Post Generator	X	X	X	X		X	X	X		X	X	X	X