



## Keyboard Shortcuts

### ArtCAM Function

### Keyboard Shortcut

#### View Control

Switch to 2D view	F2
Switch to 3D view	F3
Switch Assistant / Toolpath Manager	F4
Toggle through Assistant, Layers, Toolpath windows etc	Alt + Tab

#### Vector Drawing

Create object and close page	Enter or Right mouse button
Create and continue	Space bar
Cancel and close page	Esc.
Close Polyline	Tab

#### Vector Modes

Selection Mode	Esc
Node and Multi-node Editing	N
Transform vector(s)	T
Transform vector(s) with dialog	T (Press Twice)
Edit 2D shape	E
Fillet Vectors	F

#### Selection Mode

Start point	P
Cut vector	C
Join vectors with coincident points	J
Constrain drag to x or y axis	Alt
Create copy on drag	Ctrl

#### Node and Multi-node Editing Mode

##### Span Editing

Convert span(s) to line	L
Convert span(s) to bezier	B
Convert span to arc	A
Cut vector	C
Remove span(s)	R

##### Point Editing

Insert a point	I
Delete point(s)	D
Smooth point(s) On / Off	S
Start point	P
Align points in X (from last in selection)	X
Align points in Y (from last in selection)	Y
Constrain drag to x or y axis	Alt

#### Transform Mode

Create copy on drag	Ctrl
Scale proportionally	Shift
Scale about centre	Alt

#### Vector Alignment

Centre in Page	F9
Left	Ctrl + Left arrow
Horizontal	Centre Shift + Left arrow
Right	Ctrl + Right arrow
Top	Ctrl + Up arrow
Vertical	Centre Shift + Down arrow
Bottom	Ctrl + Down arrow

#### Vector Grouping

Group objects	Ctrl + G
Ungroup objects	Ctrl + U

#### Toolpath Editing

Edit from 2D view	Double click preview toolpath
Edit from Toolpath Manager	Double click toolpath selection

#### Zoom Control

<b>2D Design view</b>	
2D view Zoom in	Ctrl + Right mouse button
2D view Zoom out	Shift + Right mouse button

#### 3D Display view

3D view twiddling	Left mouse button
3D view Zoom in / out Push / Pull	Right mouse button
3D view Pan	Left + Right mouse button

#### General

Multiple selection	Shift + Left mouse button
Copy to clipboard	Ctrl + C
Paste from clipboard	Ctrl + V
Edit Undo	Ctrl + Z
Edit Redo	Ctrl + A
Cut vector(s)	Ctrl + X
Save File	Ctrl + S
Open File	Ctrl + O
Edit / Add Guidelines	Double click on a guide line