

## Glowforge Customer Knowledge Base - 2D Vector Programs

Click on the Links below (pop-up arrows) to be taken to the tutorial

### 2D Vector Programs

Glowforge Specific	Adobe Illustrator	Inkscape	CorelDRAW	Affinity Designer	Vector Magic	Super Vectorizer2
<b>Read this one First if you are new to lasers. Laser Design Basics.</b>	<a href="#">Laser Design Basics</a>	<a href="#">Laser Design Basics</a>	<a href="#">Laser Design Basics</a>	<a href="#">Laser Design Basics</a>	<a href="#">Laser Design Basics</a>	<a href="#">Laser Design Basics</a>
<b>Yep.Good idea. Glowforge Interface-Tips &amp; Tricks for using the App.</b>	<a href="#">App Tricks</a>	<a href="#">App Tricks</a>	<a href="#">App Tricks</a>	<a href="#">App Tricks</a>	<a href="#">App Tricks</a>	<a href="#">App Tricks</a>
<b>Read this one too. Glowforge Interface - Vectors Made Easy.</b>	<a href="#">Vectors 4 GFUI</a>	<a href="#">Vectors 4 GFUI</a>	<a href="#">Vectors 4 GFUI</a>	<a href="#">Vectors 4 GFUI</a>	<a href="#">Vectors 4 GFUI</a>	<a href="#">Vectors 4 GFUI</a>
<b>This one. Glowforge Interface - Save SVG files for use in the GFUI.</b>	<a href="#">AI_Save_SVG</a>	<a href="#">Ink_Save_SVG</a>	<a href="#">CD_Save_SVG</a>	<a href="#">AD_Save_SVG</a>		
<b>Yep! Glowforge Interface - Perfect Alignment. (Double Sided Engraves.)</b>	<a href="#">Vector Alignment</a>	<a href="#">Vector Alignment</a>	<a href="#">Vector Alignment</a>	<a href="#">Vector Alignment</a>	<a href="#">Vector Alignment</a>	<a href="#">Vector Alignment</a>

### Basic Concepts Quick Reference

	Adobe Illustrator	Inkscape	CorelDRAW	Affinity Designer	Vector Magic	Super Vectorizer2
Overview Series Tutorials	<a href="#">Ponoko GIF training</a>	<a href="#">Ink_Video_Training</a>	<a href="#">Doug Green Austin Series</a>	<a href="#">AD_Official_Guides_(series)</a>		<a href="#">SV2_Macs_Overview</a>
Toolbars Overview	<a href="#">AI_Toolbars</a>	<a href="#">Ink_Tools</a>	<a href="#">CD_Overview</a>	<a href="#">AD_for_Beginners_(series)</a>		
Workspace Setup	<a href="#">AI_Workspace</a>	<a href="#">Ink_Workspace</a>		<a href="#">AD_Introduction</a>		
Workspace Setup (video format) (chris1)	<a href="#">AI_Workspace_Vid</a>					
Smart Guides Snap to Point	<a href="#">AI_Smart_Guides</a>	<a href="#">Ink_Workspace</a>				
Snapping Tools in Inkscape (pete)		<a href="#">Inkscape_Snap_Tamed</a>				
Selection Tool Basics	<a href="#">AI_Selection</a>	<a href="#">Ink_Selection</a>	<a href="#">CD_Selection</a>	<a href="#">AD_Selection</a>		
Grouping and Ungrouping	<a href="#">AI_Group</a>	<a href="#">Ink_Group</a>	<a href="#">CD_Group</a>			
Copy, Paste, Undo, Redo	<a href="#">AI_Copy</a>	<a href="#">Ink_Copy</a>	<a href="#">CD_Copy</a>			
Setting Stroke and Fill Colors	<a href="#">AI_Stroke_Color</a>	<a href="#">Ink_Stroke_Color</a>				
Working with Layers	<a href="#">AI_Layers</a>	<a href="#">Ink_Layers</a>	<a href="#">CD_Layers</a>			
Align and Distribute Objects	<a href="#">AI_Align</a>	<a href="#">Ink_Align</a>	<a href="#">CD_Align</a>			
Rotating Objects	<a href="#">AI_Rotate</a>	<a href="#">Ink_Rotate</a>	<a href="#">CD_Rotate</a>			
Joining Lines	<a href="#">AI_Join_Lines</a>	-				
Basic Text	<a href="#">AI_Basic_Text</a>	-				
Turning Text into a Path	<a href="#">AI_Text_into_Path</a>	<a href="#">Text_to_Outlines</a>				
Circular Text	<a href="#">AI_Circular_Text</a>	<a href="#">Ink_Circular_Text</a>	<a href="#">CD_Text_into_Curves</a>			
Text on a Path	<a href="#">AI_Circular_Text</a>	<a href="#">Ink_Text_on_a_Path</a>				
Merge Text	<a href="#">AI_Merge_Text</a>	<a href="#">Ink_Merge_Text</a>				
Clipping Masks	<a href="#">AI_Clipping_Masks</a>					
Drawing with the Shape Tools	<a href="#">AI_Shape_Tools</a>	<a href="#">Ink_Shape_Tools</a>		<a href="#">AD_Shapes_&amp;Curves</a>		
Drawing with the Line Tools	<a href="#">AI_Line_Tools</a>	<a href="#">Ink_Line_Tools</a>				
Drawing with the Pen (Bezier) Tool	<a href="#">AI_Pen_Tool</a>	<a href="#">Ink_Bezier_Pen</a>		<a href="#">AD_Shapes_&amp;Curves</a>		
Bezier Pen Tool	<a href="#">Bezier_Curves</a>	<a href="#">Ink_Bezier</a>				
Basic Pen Tool Exercises	<a href="#">Basic_Pen_Tool</a>					
Editing Nodes, Paths, Bezier Pen.	<a href="#">Adjusting_Curves</a>	<a href="#">Edit_Nodes</a>		<a href="#">AD_Shapes_&amp;Curves</a>		
Transforming Objects. Size, Shape, Placement, Rotation.	<a href="#">AI_Transform</a>	<a href="#">Ink_Transform</a>				
Expanding Appearance of Objects and Strokes. Convert to Paths.	<a href="#">AI_Expand</a>	<a href="#">Ink_Convert_to_Path</a>				
Determine the Angle of a Line Segment.	<a href="#">AI_Angle</a>					
Creating an Offset Path.	<a href="#">AI_Offset_Path</a>	<a href="#">Ink_Offset_Path</a>				
Creating a Compound Path.	<a href="#">AI_Compound</a>	<a href="#">Ink_Path_Menu</a>				
Merging Objects, Subtracting Objects, Trim, Difference, Outline.	<a href="#">AI_Pathfinder</a>	<a href="#">Ink_Path_Menu</a>	<a href="#">CD_Trim_Part1</a>			
Trim in CorelDRAW			<a href="#">CD_Trim_Part_2</a>			
Creating Island Engraves: Subtracting Top Objects from Base Objects		<a href="#">Ink_Subtracting</a>				
Weld vs. Combine in CorelDRAW			<a href="#">CD_Combine_vs_Weld</a>			
Inkscape Path Menu Demo		<a href="#">Ink_Path_Functions</a>				
Auto Trace.	<a href="#">AI_AutoTrace</a>	<a href="#">Ink_Auto_Trace</a>	<a href="#">CD_Auto-Trace</a>	AD does not have AutoTrace	<a href="#">VM_AutoTrace</a>	
Auto-Trace Ceate Outlines from B&W graphics in Illustrator (canton)	<a href="#">Cut_Lines_from_Graphics</a>	<a href="#">Ink_Advance_Auto_Trace</a>				
Auto Trace.		<a href="#">Trace_Bitmap_Ink</a>				
Shape Builder Tool in Illustrator.	<a href="#">AI_shapebuilder</a>					
Shape builder, Recolor, Live Paint in Illustrator.	<a href="#">AI_shape_builder_recolor</a>					
"Coloring Book" Effect Demo	<a href="#">Avoid_Double_Cut_Lines</a>	<a href="#">Fight_Cats</a>				
Creating a Lattice shape in Inkscape.		<a href="#">Lattice</a>				
Recolor Artwork. (chris1)	<a href="#">AI_Recolor</a>					
Fixing Glitches (chris1)	<a href="#">Fix_Glitch</a>					
Removing Clip Masks (chris1)	<a href="#">AI_clip_mask</a>					
Tutorial on Usng Inkscape for the Glowforge (wing)		<a href="#">Creating_a_File_in_Inkscape</a>				
Fix a Winding Rule Issue in Affinity Designer & CorelDraw (tim1724) (kennyb)			<a href="#">CD_Winding_Rule</a>	<a href="#">AD_Winding_Rule</a>		
How to get a Centerline Trace	<a href="#">AI_Centerline_Trace</a>	<a href="#">Ink_Centerline</a>	<a href="#">CD_Centerline</a>			
Finding Open Paths	<a href="#">Find_Open_Paths</a>					
Creating Fillets in Inkscape (markevans36301)		<a href="#">Fillets_Ink</a>				

Design Tutorials	Adobe Illustrator	Inkscape	CorelDRAW	Affinity Designer	Vector Magic	Super Vectorizer2
Pattern Creation in Illustrator for Engraving Deep Textures.	<a href="#">Pattern Creation in Illustrator for Deep Etching Textures</a>					
Using Artboards in Illustrator to create a Pattern that overlaps Tiles.	<a href="#">Artboard Tiling</a>					
Voronoi Pencil holder in Inkscape.		<a href="#">Voronoi Pencil</a>				
Design a Voronoi Medallion.		<a href="#">Voronoi_Ink</a>				
Rotational Art in CorelDRAW.			<a href="#">Rotational Artwork_CD</a>			
Circular Text.	<a href="#">AI_Circular_Text</a>	<a href="#">Ink_Circular_Text</a>	<a href="#">CD_Text into Curves</a>			
Text on a Path.		<a href="#">Ink_Text on a Path</a>				
How to Do a Basic Photo Engrave in the Glowforge. (jules)		<a href="#">Simple Photo Engrave</a>				
Design a Quick Personalized Doorhanger.	<a href="#">DoorHanger_AI</a>					
Laser Cutting With Adobe Illustrator.	<a href="#">Laser Cutting with Adobe Illustrator</a>					
HalfTone Effect.	<a href="#">Illustrator Tutorial: HalfTone Effect</a>					
Create Coasters in Illustrator	<a href="#">Coaster Tutorial</a>					
Inlays with Inkscape.		<a href="#">Ink_Inlay</a>				
Creating Elliptical Boxes in Inkscape.		<a href="#">Ink_Elliptical_Box</a>				
How to Install the Inkscape Elliptical Box Extension in Windows (jules)		<a href="#">install_Inkscape_elliptical_box_extension</a>				
Inkscape Living Hinge Path Order Extension Mod.		<a href="#">Modified LH Path</a>				
Offsets for Inlay - Inkscape.		<a href="#">Paths in Inkscape - Offsets for Inlay</a>				
Design a Tabbed Box in Inkscape.		<a href="#">Design a Laser Cut Tabbed Box in Inkscape</a>				
Using the Tabbed Box Extension in Inkscape.		<a href="#">Tabbed Box Extension</a>				
Inkscape Tutorial for CNC and Laser.		<a href="#">Inkscape for CNC and Laser</a>				
Create a Stencil Font in Inkscape.		<a href="#">Stencil Font</a>				
Concepts for Depth Map Creation in 2D Design Software.	<a href="#">Depth Map Concepts</a>	<a href="#">Depth Map Concepts</a>	<a href="#">Depth Map Concepts</a>			
Box Designer	<a href="#">ConnectionLab</a>	<a href="#">ConnectionLab</a>	<a href="#">ConnectionLab</a>			
Box Designer	<a href="#">Instructables</a>	<a href="#">Instructables</a>	<a href="#">Instructables</a>			
Box Designer	<a href="#">MakerCase</a>	<a href="#">MakerCase</a>	<a href="#">MakerCase</a>			
Box Designer	<a href="#">festi_ino</a>	<a href="#">festi_ino</a>	<a href="#">festi_ino</a>			
Box Designer	<a href="#">BoxDesigner</a>	<a href="#">BoxDesigner</a>	<a href="#">BoxDesigner</a>			
Box Designer	<a href="#">MakeABox</a>	<a href="#">MakeABox</a>	<a href="#">MakeABox</a>			
Box Designer (bbum)		<a href="#">TabbedBoxMaker</a>				
Paper Box Template Maker	<a href="#">Paper Box Templates</a>					
How to Create a Multipass Badge.		<a href="#">Multipass Badge</a>				
Mesh Gradients in Inkscape.		<a href="#">Mesh Gradients</a>				
Repeating Patterns in Inkscape.		<a href="#">Patterns</a>				
Developer Extension for Gears in Inkscape.		<a href="#">Ink_Gears</a>				
Handy Online Generators for Everything under the Sun.	<a href="#">Lists of Online Generators</a>	<a href="#">Lists of Online Generators</a>	<a href="#">Lists of Online Generators</a>			
Create an Engraving Pattern in AI.	<a href="#">AI_Pattern</a>					
Create Scrollsaw Bowls in Inkscape.		<a href="#">Inkscape Scroll</a>				
Create mandalas in AI.	<a href="#">AI_mandala</a>					
Use an iPad to create an SVG file for the laser.	<a href="#">Tablet Workflow</a>					
Fractal Generator in Inkscape.		<a href="#">Inkscape_fractal</a>				
Start to Finish Design in Illustrator.(chris1)	<a href="#">Design in AI</a>					
Silhouette Studio to SVG Converter (ptodd)	<a href="#">Studio 2 SVG</a>					
FlatFab.com (pratt)	<a href="#">Flat_Fab</a>					
Digitize your Signature with AI. (VIP)	<a href="#">Digitize Signature</a>					
Personalize a Pencil (VIP)	<a href="#">Personalized Pencil</a>					
A Different Spiral Bowl (cynd11)	<a href="#">Spiral Bowl</a>					
Make a Table Sign Base (carbis2)		<a href="#">Table_Sign_Base</a>				
Working with Nodes in Inkscape (carbis2)		<a href="#">Working with Nodes</a>				
Trace a Bitmap in Inkscape (gwygonik)		<a href="#">Trace Bitmap Ink</a>				
Finger Joints in Inkscape (evansd2)		<a href="#">Create Finger Joints</a>				
Create a Pattern Brush in Illustrator (jae)	<a href="#">Create a Pattern Brush</a>					
Create a Pattern along a path in Inkscape (mike10)		<a href="#">Pattern along a path</a>				
Planar Butt Joins (evansd2)		<a href="#">Ink_buttt_joins</a>				
Create a Pattern along a path in Affinity Designer (tim1724)				<a href="#">Vector pattern in AD</a>		
Designing in Illustrator and other Glowforge Video Tutorials (wening08)	<a href="#">AI Designing Videos</a>					
Make Ornaments in Illustrator (VIP)	<a href="#">Make Ornaments</a>					
Acrylic Inlay Flowers (pubultrastar)	<a href="#">acrylic_inlay_flowers</a>					
Some Useful Illustrator Scripts (cynd11)	<a href="#">Useful AI Scripts</a>					
Rasterize multiple images into one bitmap in Inkscape (jules)		<a href="#">Rasterize multiple Images</a>				
Use layers to set up re-usable jig in Inkscape (arh2)		<a href="#">multiple_layer_engraves_Inkscape</a>				
No waffle guide to inkscape (sqw)		<a href="#">no_waffles_ink</a>				
Shadowbox Tutorial for Inkscape (arh2)		<a href="#">Shadowbox_Ink</a>				
Doing an Illustrator photo Engrave on Bleached Wood (VIP)	<a href="#">Bleached Wood</a>					
Make a Tabbed Box/Tray in Illustrator (jules)	<a href="#">tabbed box in illustrator</a>					
Break up a Large Design in Inkscape (eflyguy)		<a href="#">break up large design</a>				

