Vectric Toolpath Cheat Sheet

Dimension	Toolpath	Use Cases	Aspire	VCarve	Cut2D	Closed Vectors	Open Vectors	Automatic Selection	Projecting onto 3D Model	Ball Nose	End Mill	Radius End Mill	V-Bit	Engraving	Tapered Ball Nose	Drill	Diamond Drag	Thread Mill	Multi Thread Mill	Form Tool	Laser Cutter
2D	Profile	Cutting shapes out, roundovers, etc.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No
2D	Pocket	Pockets or flattening	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No
2D	Drilling	Dilling holes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No
2D	Thread Milling	Making male & female threads	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No
2D	Quick Engrave	Quick engravings for acrylic, metal, wood, etc.	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	No
2D	2D Inlay	2D letter or sign inlays	Yes	Yes	Yes	Yes	No	Yes	No	Limited	Yes	Limited	Limited	Limited	Limited	No	No	No	No	Limited	No
2D Laser	Laser Cut & Fill	Laser cutting or engraving	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes
2D Laser	Laser Picture	Laser engraving images	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes
2.5D	V-Carve	Sign-making or detail engraving	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Limited	Limited	Yes	Yes	Yes	No	No	No	No	No	No
2.5D	Photo V-Carve	Photo v-carving images	Yes	Yes	No	Yes	No	No	Yes	No	No	No	Yes	No	No	No	No	No	No	No	No
2.5D	Sketch Carving	Quickly engraving images or 3D models	Yes	Yes	No	Yes	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No	No	No	No	No
2.5D	Prism Carving	Raised engravings (like a reversed v-carve)	Yes	Yes	No	Yes	No	Yes	No	No	No	No	Yes	No	No	No	No	No	No	No	No
2.5D	V-Carve Inlay	Detail inlaying designs with v-bits	Yes	Yes	No	Yes	No	No	No	Limited	Limited	Limited	Yes	Limited	Limited	No	No	No	No	No	No
2.5D	Fluting	Ramp or beaded designs	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
2.5D	Texture	Unique textures for signs or panels	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
2.5D	Chamfer	Angled chamfer edges	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No	No	No	No	No	No
2.5D	Moulding	Custom profiled designs following a path	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
3D	3D Roughing	Removing bulk material from a 3D carving	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
3D	3D Finishing	Removing finish material from a 3D carving	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No

Ready to Take Your Vectric Skills to the Next Level?

You've taken the first step with this cheat sheet, but there's so much more to explore in the world of Vectric software. Whether you're just starting out or looking to enhance your skills, we have the perfect resource for you: