

CNC Router

About	A CNC router is a computer-controlled router tool that cuts, trims, and carves/engraves a workpiece. This CNC Router can be used for 2.5 axis and 3 axis machining to make a variety of objects such as molds for the vacuum former, functional parts, and signs/plaques. Specifications: • Work Volume (X, Y, Z): 609 x 914 x 304 mm [24 x 36 x 12 in] • Spindle RPM: 6000 - 24000 RPM • Max Feed Rate: 2540 mm/minute [100 IPM]
Category	Woodworking
Location	Back Room
Brand /Model	Laguna iQ Pro
Status	AVAILABLE
Materials	• Woods ◦ MDF ◦ Plywood ◦ Soft wood ◦ Hard wood • Plastics • Foams



Standard Operating Procedure



Google Apps Sign-in Required

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Training

Sign up for training here: [Training Registration Calendar](#)

Training	Type	Time Estimate	Prerequisites	Checklist/Document
CR - 1A Fundamentals	SELF-GUIDED DOCUMENT	1 hr.	None	
CR - 1B Introductory	ON-MACHINE	2 hr.	CR - 1A Fundamentals	
CR - 2A ATC Preparation	SELF-GUIDED DOCUMENT		None	
CR - 2B ATC Introductory	ON-MACHINE		CR - 1B Introductory and CR - 2A ATC Preparation	
CR - 3A CAM Preparation	SELF-GUIDED DOCUMENT		None	
CR - 3B CAM Introductory	ON-MACHINE		CR - 2B ATC Introductory and CR - 3A CAM Preparation	

Documentation



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Safety Data Sheets	N/A
Hazard Assessments	
Application Resources	• CNC Router Machining Parameters • Laguna specifications and videos • How to use Break Work function (save stop points) • VCarve Pro ◦ User Manual ◦ Main YouTube Page ◦ User interface and file setup ◦ Tool database guide ◦ Toolpaths ▪ Pocket toolpaths ▪ Profile toolpath ▪ Quick engrave toolpath ▪ Inlay toolpath
Manufacturer's Manuals	