

POWELL CNC

CUTTING EDGE TECHNOLOGY



POWELL P1 CNC ROUTER

EXCLUSIVE UK DISTRIBUTOR

iECHO **HandTop** **MAXICAM**
CUTTING EDGE TECHNOLOGY

WWW.POWELL-CNC.COM

ITEM	DESCRIPTION	1325	1530	2030	2040
TRAVELLING AREA	X	1240 mm	1500 mm	2000 mm	2000 mm
	Y	2440 mm	3000 mm	3000 mm	4000 mm
	Z	180 mm	180 mm	180 mm	180 mm
ACCURACY	WORKING ACCURACY	0.05 mm	0.05 mm	0.05 mm	0.05 mm
	REPOSITIONING	0.05/500 mm	0.05/500 mm	0.05/500 mm	0.05/500 mm
STRUCTURE	TABLE	PVC VACUUM MATRIX	PVC VACUUM MATRIX	PVC VACUUM MATRIX	PVC VACUUM MATRIX
	TRANSMISSION	RACK & PINION XY, BALLSCREW Z	RACK & PINION XY, BALLSCREW Z	RACK & PINION XY, BALLSCREW Z	RACK & PINION XY, BALLSCREW Z
SPEED	MAX RAPID	20000 mm/min	20000 mm/min	20000 mm/min	20000 mm/min
	MAX FEEDRATE	15000 mm/min	15000 mm/min	15000 mm/min	15000 mm/min
SPINDLE	8-12 ISO30 ATC	5.0kW	5.0kW	5.0kW	5.0kW
	SPINDLE SPEED	3000-24000 RPM	3000-24000 RPM	3000-24000 RPM	3000-24000 RPM
DRIVE		STEPPER MOTOR	STEPPER MOTOR	STEPPER MOTOR	STEPPER MOTOR
NC CONTROLLER	NK105	DSP/PC OPTIONAL	DSP/PC OPTIONAL	DSP/PC OPTIONAL	DSP/PC OPTIONAL
SOFTWARE	VECTRIC	CUT 2D PRO	CUT 2D PRO	CUT 2D PRO	CUT 2D PRO
COMMAND CODE		ISO G-CODE	ISO G-CODE	ISO G-CODE	ISO G-CODE
ELECTRICAL	3-PHASE 400V	1 X 32A MACHINE MAIN	1 X 32A MACHINE MAIN	1 X 32A MACHINE MAIN	1 X 32A MACHINE MAIN
COMPRESSED AIR	CLEAN & DRY	4 CFM 10 BAR	4 CFM 10 BAR	4 CFM 10 BAR	4 CFM 10 BAR
WEIGHT		900 kgs	1000 kgs	1100 kgs	1200 kgs
FOOTPRINT		2076 x 3200 mm	2276 x 3700 mm	2776 x 3700 mm	2776 x 4700 mm

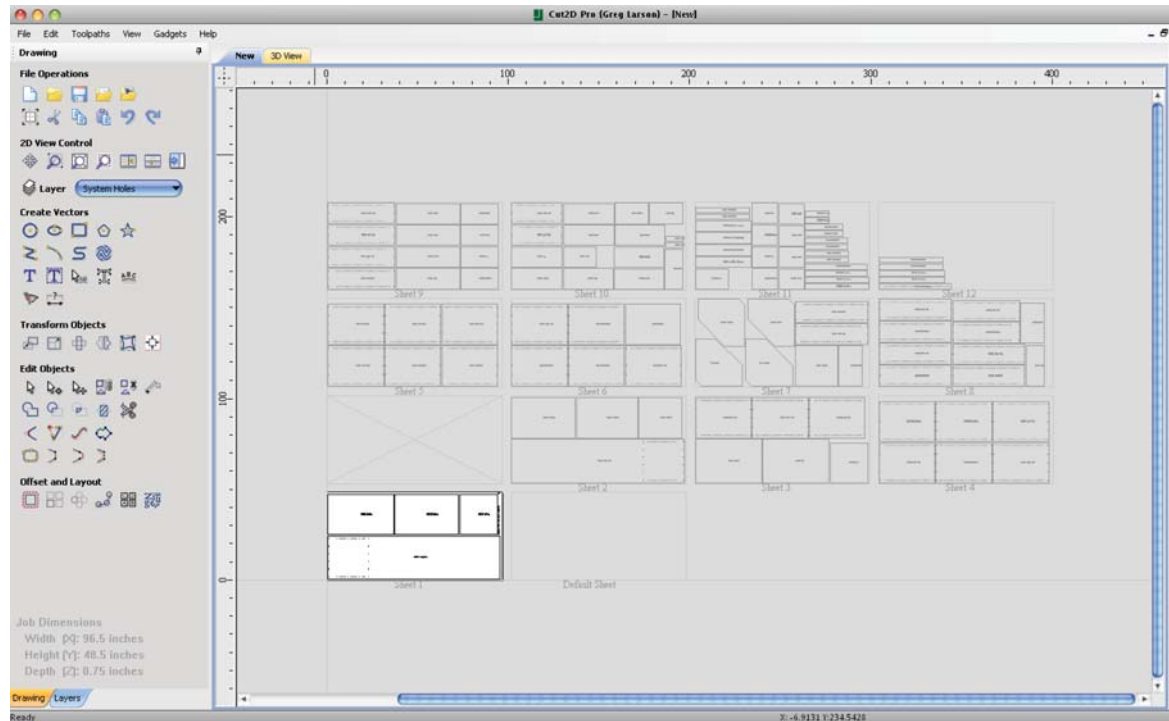
POWELL CNC



CONFIGURATION

- Industrial 5.5kw water cooled spindle and chiller
- Industrial chiller for spindle
- Limit switches on all axes
- Powerful stepper drives and motors
- Tool sensor for rapid setting of tool length
- Vacuum T-slot Matrix table
- Side Channel blower Vacuum pump
- 3 x collets of customer's choice 1-20mm, 1 collet nut and spanner
- NK105 Handheld DSB Controller with USB interface
- Installation and Maintenance manual
- Tool box with grease gun and spare parts
- Vectric Cut 2D Pro CAD/CAM Software
- 12 month warranty
- Delivery Installation (not unloading) & training
- Crash barriers on gantry axis for added safety as standard
- Setup, commissioning and training
- Twin bag dust extractor

VECTRIC CAD/CAM SOFTWARE



SOFTWARE

The P1 CNC Router is designed to run from industry standard G-Code command language, this enables the router to work effectively with all of the common CAD/CAM software packages on the market.

The P1 includes the popular Vectric Cut 2D Pro CAD/CAM program: Vectric – This affordable entry-level product requires little or no machining knowledge, making it the perfect option for any new router owner. Unique software tools guide you through the entire process, from conceptual sketch to the finished piece or mould. Whether you are a new or small independent company Vectric enables you to do things such as: Engraving, Metal Cutting, Woodworking, Sign Making, Ice Sculpting, profiling & much more.

- No previous CAD or CNC machining experience required.
- Intuitive tools & interface saves hours of your valuable time.
- Speed & reliability means you can take on more business.
- Adapt and re-use your designs to open broader markets.
- You can be totally confident that as your business needs grow you can upgrade to other solutions in the Vectric range.
- Your existing skills are simply and seamlessly transferable.

www.vectric.com