

CUTTING EDGE TECHNOLOGY

POWELL CNC



POWELL P1 ATC CNC ROUTER

EXCLUSIVE UK DISTRIBUTOR

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

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ITEM	P1-ATC	1313	1325	1530	2030	2040
TRAVELLING AREA	X	1300 mm	1240 mm	1500 mm	2000 mm	2000 mm
	Y	1300 mm	2440 mm	3000 mm	3000 mm	4000 mm
	Z	180 mm	180 mm	180 mm	180 mm	180 mm
ACCURACY	WORKING ACCURACY	0.05 mm	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	0.05/500 mm
STRUCTURE	TABLE	PVC VACUUM MATRIX	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	RACK & PINION XY, BALLSCREW Z
SPEED	MAX RAPID	35000 mm/min	35000 mm/min	35000 mm/min	35000 mm/min	35000 mm/min
	MAX FEEDRATE	15000 mm/min	15000 mm/min	15000 mm/min	15000 mm/min	15000 mm/min
SPINDLE	8-12 ISO30 ATC	9.0kW	9.0kW	9.0kW	9.0kW	9.0kW
	SPINDLE SPEED	3000-24000 RPM	3000-24000 RPM	3000-24000 RPM	3000-24000 RPM	3000-24000 RPM
DRIVE		YASKAWA SERVO MOTOR	YASKAWA SERVO MOTOR	YASKAWA SERVO MOTOR	YASKAWA SERVO MOTOR	YASKAWA SERVO MOTOR
NC CONTROLLER	NK105	DSP/PC OPTIONAL	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	CUT 2D PRO
COMMAND CODE		ISO G-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	1 X 32A MACHINE MAIN
COMPRESSED AIR	CLEAN & DRY	8 CFM 10 BAR	8 CFM 10 BAR	8 CFM 10 BAR	8 CFM 10 BAR	8 CFM 10 BAR
WEIGHT		700 kgs	1000 kgs	1200 kgs	1400 kgs	1600 kgs
FOOTPRINT		2076 x 2000 mm	2076 x 3200 mm	2276 x 3700 mm	2776 x 3700 mm	2776 x 4700 mm

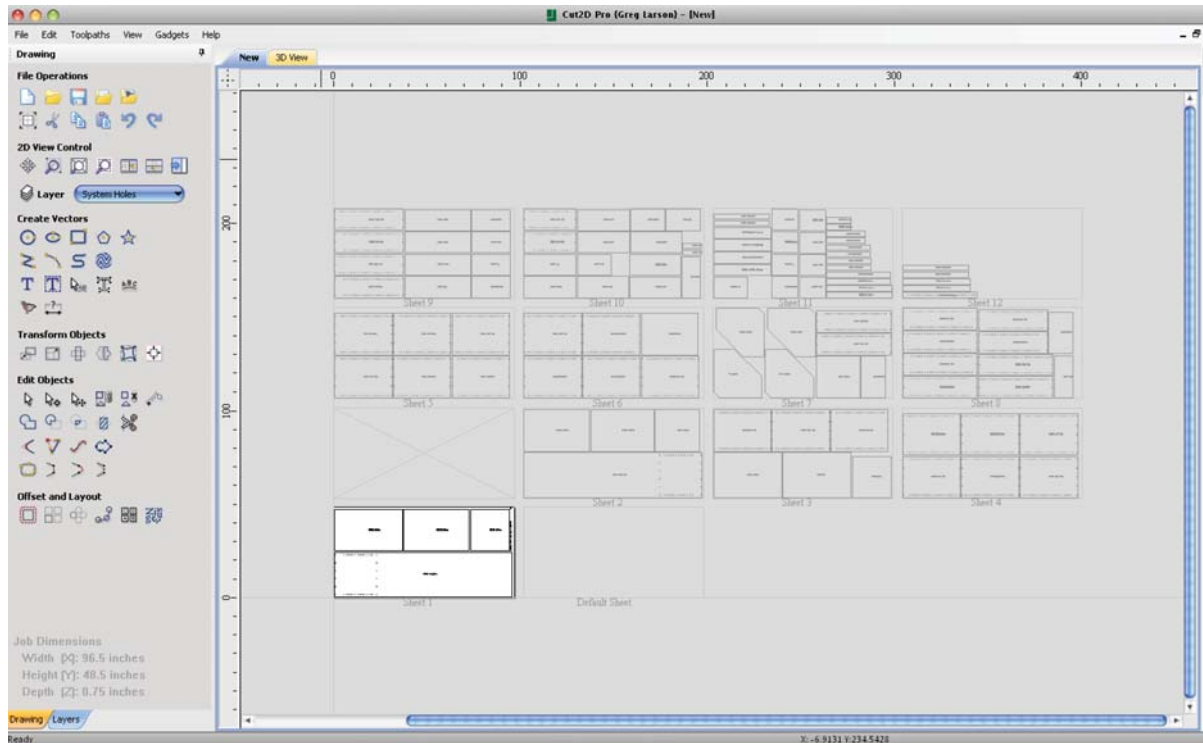
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CONFIGURATION

- Industrial 9kw Air cooled ISO30 ATC Spindle
- 8-12 position linear automatic tool changer
- Limit switches on all axes
- Powerful Yaskawa servo motors & drives
- 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 (Optional PC upgrade with console)
- 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
- Safety collision device as standard
- Setup, commissioning and training
- Twin bag dust extractor

VECTRIC CAD/CAM SOFTWARE



SOFTWARE

The P1 ATC 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 ATC 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, nesting, drilling and grooving in just a few clicks.

- 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

WOOD DESIGNER

POLYBOARD PRO PP

Fully parametric cabinet and furniture design software with sheet material and hardware libraries as well as manufacturing methods. Enter dimensions to standard options and the software builds everything for you, adds hardware details automatically and outputs high quality cutting maps through our nesting optimisation software, toolpathed automatically and NC files sent direct to the machine for processing. The software automatically creates exploded engineered drawings on the fly as well as giving detailed cutting lists with hardware costings and 3D renders for client approval.

STAIRDESIGNER

Similar to Polyboard, Stairdesigner is fully parametric, enter the finished floor height add lower and upper winders if desired and this software does the rest. Outputs high quality cutting maps for tread, risers and stringers as well high quality 3D renders for client approval. Straight, landings, winders and spirals all in a few clicks.

OPTINEST

Intelligent trueshape nesting software takes your cutting maps to the next level. Save material waste with high quality nesting in to sheet and stock materials selected from your material library. Updates stock levels and costs as well as allowing offcuts to be saved back in for future nesting. Compatible with our pre-bar code labeling machines and output ready for drilling and PTP machines.

