

CNC6090 CNC ROUTER

The CNC6090 is our most compact CNC router and is ideal for most small industrial applications, from woodworking and signmaking to general fabrication

It has a compact 600mm x 900mm work area and the generous spindle motor power and high tool speed allows it to machine a wide range of materials and thicknesses. It is available with a water cooled spindle motor, vacuum bed and toolchange options for added productivity and flexibility

MACHINE FEATURES:

3.5kW air cooled spindle motor (3.2kW water cooled spindle option available)

Frequency Inverter driven spindle system, offering precise adjustment of cutting speed, smooth acceleration, deceleration and elimination of high inrush currents

600mm x 900mm work table with integral T-slots for precise workholding

Intuitive hand held control system with USB interface

Heavy duty baseframe and gantry, offering a perfect balance between weight and rigidity

High quality machined ballscrews offering precise accuracy control

Supplied complete with Vectric Cut2D Pro (optional upgrade to Vectric VCarve Pro available)

ER20 collet system offers compatibility with a wide range of available tooling



Image shows machine fitted with optional 3.2kW water cooled spindle motor

MATERIAL PROCESSING:

Woods and MDF

Acrylic

PVC

Foamex

Model Board

Aluminium, brass & other soft metals

Polycarbonate

Corian

Polypropylene

Carbon Fibre and other composites

ABS



Image shows machine fitted with optional 3.2kW water cooled spindle motor

Working size	600mm x 900mm x 160mm
Operating Voltage	230V single phase 50Hz
Operator control	DSPA 11 handheld controller
Spindle motor	3.5kW air cooled
Spindle speed	6,000-18,000 RPM
Spindle control	3.7kW variable speed drive (frequency inverter)
Motion control	Stepper motors
Table surface	T-slots (optional vacuum bed available)
Location precision	<0.05mm
Structure	Cast iron heavy duty welded frame and gantry
Axis transmission	Precision ground ballscrews
Axis rails	20mm linear rails
Dust extraction	Dust cover, extraction pipe and support, dust bag extractor (optional)
Machine weight	350kg
Collet size	ER20
Software	Vectric Cut2DPro
Electrical requirements	1 x 13A single phase socket (machine)

Dimensions	
Machine	1560mm long x 1235mm wide x 1570mm high
Dust extractor	700mm long x 440mm wide x 895mm high

Warranty	12 months onsite excluding consumables
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OPTIONAL EXTRAS:	
Low noise, high efficiency 3.2kW water cooled spindle motor (max speed 24,000 RPM)	
Linear toolchange arrangement (4 tools)	
Vacuum bed arrangements (2.2kW single phase vacuum pump)	
Vectric VCarve Pro software upgrade	