

## 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

Machine can be disassembled to fit through a doorway as small as 740mm wide



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

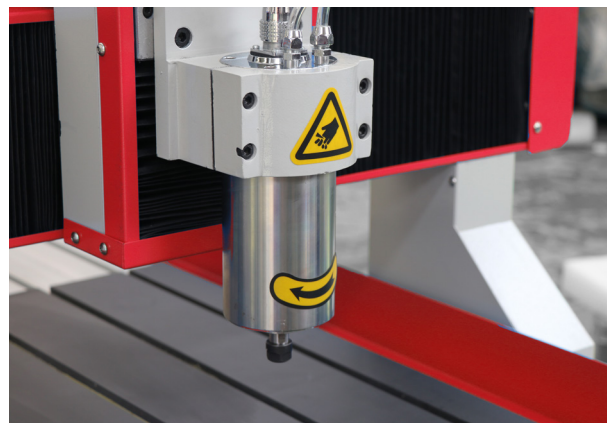


Image shows machine fitted with optional 3.2kW water cooled spindle motor

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

<b>Dimensions</b>	
<b>Machine</b>	1320mm long x 1100mm wide x 1300mm high
<b>Dust extractor</b>	700mm long x 440mm wide x 895mm high

<b>Warranty</b>	12 months onsite excluding consumables
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<b>OPTIONAL EXTRAS:</b>	
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	