

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 with 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 stiffness

High quality machined ballscrews offering precise accuracy control

Supplied complete with Vectric Cut2D Pro

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

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| 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) |

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

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| 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)