



MERLIN

Premium 2 year warranty included

CNC ROUTER SYSTEM

Premium 2 year warranty included

MERLIN CNC

Machine Overview



Common Materials:

**WOOD
SOFT METALS
ACRYLIC
HDPE
POLYCARBONATE
SOLID SURFACE MATERIAL
ACM SIGN PANELS
FOAMEX
FOAM SHEET**

& Much More...

Our Merlin range is used in many different sectors and industries such as **aerospace, woodworking, automotive, marine engineering, education and so many more!**

This manual tool change machine is fast and affordable, some may say best in class.

With unrivalled speed and precision the Merlin range will make light work of a huge range of materials such as wood, metal, plastics, solid surface, composite materials and so much more.

Combined with the powerful vacuum & Rapid Hybrid drive systems this machine offers high performance capabilities yet its also more affordable than most of the competition. At the heart of the system we run a 6.0kW air cooled spindle capable of producing 24,000 rpm.

Coupled with our renowned after sales service, this CNC router system should be at the top of your list.

Aerospace | Automotive | Sign Making | Fabrication | Prototyping

Fast, affordable and extremely reliable. Built with the same attention To detail as our Auto Tool Change (ATC) Routers, the Merlin is a CNC Powerhouse.

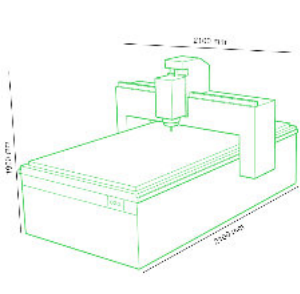
Standard Features & Equipment

High performance spindles	6.0KW (8hp) ER32 air cooled spindle system 24,000rpm manual tool change.
Vacuum System	Multi-zone – including pump system and filter.
Drive Motors	Rapid hybrid stepper drives
Mechanical Drive type	Helical rack and pinion X & Y axis, with reciprocating ball screw on the Z axis.
Linear Guid Rails/Carriers	HIWIN oil inject centralised linear rail lubrication.
Dust Extraction System	Quad bag dust extraction unit.
Material Positioning Stops	Pneumatic pop-up end stops for material location.
Tool Cooling	Integrated pneumatic cutter cooling/lubrication system.
Control System	Either DSP or our In-house developed M-TECH motion control that includes a PC based system and podium.
Safety Features	Modular safety fences with optical IR guarding
Software	M-TECH Control & Vectric V Carve Pro
Delivery	UK mainland included (Offloading and siting of the machine is the end user's responsibility; additional cost option if required). HIAB delivery also available, ask for details.
Installation	Our professional installation team will fully commission your new machine – customer must have the correct electrical/air outputs available (we will advise you on what is required).
Training	Full operational training included, combined with basic software use.
Warranty	2 years standard parts and labour warranty with extended warranty periods available.

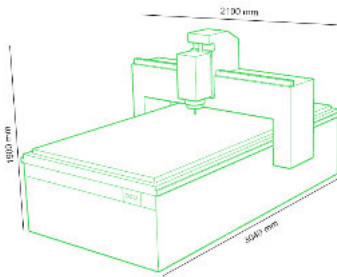
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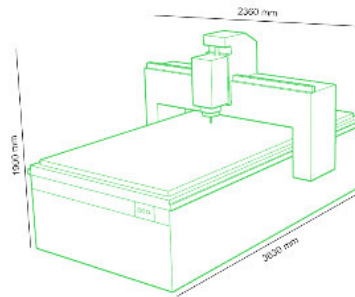
Machine size options



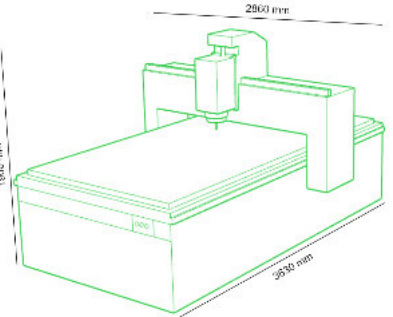
Merlin 1313
1300 x 1300 mm bed



Merlin 1325
1300 x 2500 mm bed



Merlin 1530
1500 x 3000 mm bed



Merlin 2030
2000 x 3000 mm bed

Range weights & dimensions

Model	Length (mm)	Height (mm)	Width (mm)	Weight (Approx) (kg)
Merlin 1313	2100	1900	2100	1350
Merlin 1325	3040	1900	2100	1400
Merlin 1530	3630	1900	2420	1750
Merlin 2030	3630	1900	2860	1900

**Custom bed sizes are available,
Please ask for details.**



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Samples

