

SPARTAN

CNC Routers

Affordable CNC Router Solutions



Spartan CNC Routers, Affordable Yet Industrial.

If you're seeking an **industrial-grade CNC router that offers top-notch performance** but also has an entry-level price, the Spartan CNC router range is the ideal option for you. This range is available in popular sizes, including 4 x 4 ft, 8 x 4 ft, and 10 x 5 ft.

Engineered with premium components to deliver superior build quality and outstanding performance. This versatile and adaptable CNC machine excels in a wide range of production activities, making it the ideal choice for any workshop.

Our user-friendly control system perfectly balances high performance with affordability, ensuring you get the best value for your investment. For those seeking a powerful CNC machine that offers exceptional value, the **Spartan CNC Router Series is an essential addition** to your toolkit.

- + Custom Joinery
- + Industrial Design
- + Point of Sale
- + Custom Furniture
- + Personalised Products
- + Plylining
- + Woodwork
- + Architectural Design
- + Camper Conversions
- + Fabrication
- + Aerospace
- + Exhibition and Stands
- + Product Design
- + Signmaking
- + Shopfitting
- + Marine Applications
- + Education
- + Bespoke Products
- + Automotive
- + Set Design



Spartan Models

Spartan CNC Routers are available in a range of standard bed sizes (custom sizes may be available upon request)

Model	Bed Size	Electrics	Spindle size
Spartan 6090	600 x 900	Single Phase	2.2kW
Spartan 1313	1300 x 1300	Single Phase	3kW
Spartan 1325	1300 x 2500	Single/3-Phase	4.5/6kW
Spartan 1530	1500 x 3000	Single/3-Phase	4.5/6kW
Spartan 2030	2000 x 3000	3-Phase	6kW

Single and 3-Phase Options



Looking for a compact CNC router that comes with extraction and a vacuum table? our Spartan 6090 is for you. Require a larger cutting surface but still need a compact solution then the 1313 model with its 1300 x 1300 mm cutting table is the option for you. Our larger models go right up to 2000 x 3000 mm (**custom sizes available**)

Easy to Operate

Our customers love the Spartan range due to its easy-to-use control system and excellent output, perfect for both new and experienced users.

Industrial

Our customers love the Spartan range due to its easy-to-use control system and excellent output, perfect for both new and experienced users.

Our Most Popular CNC

Our customers love the Spartan range due to its easy-to-use control system and excellent output, perfect for both new and experienced users.

With our range **starting at only £7995 plus VAT** the Spartan offers incredible value and return. At prices **that won't break the bank** the Spartan CNC Router is one of our most popular systems to date.

Finance Options are available. Why not spread the cost of your machinery purchase? Our finance partner Percy Finance Ltd is an appointed representative of AFS Compliance Ltd which is authorised and regulated by the Financial Conduct Authority. Firm number 625035, Percy Finance Ltd is a franchisee of Asset Finance Solutions (UK) Ltd.

Easy to Operate

Control your CNC router via the easy-to-use DSP hand controller. Import files via USB Stick. You can control all aspects of your machine using by using a small easy to handle pendant system.

Software Included

Vectric V Carve Pro with all of our Spartans, Industry-leading software that's easy to use and comes with all of the features you need from design and nesting to tooling configuration.

Powerful Spindles

Each Spartan comes with a high-performance spindle, our larger models come with 6.0kW air-cooled spindles as standard. Giving you a versatile platform to manufacture from.

T-Slots

Clamp awkward and warped materials using the built-in T-slot clamping system, helping to improve waste reduction. (not available on the 6090 model).

Industrial Build

Industrial build quality, enabling first-class output and longevity, yet offering superb value.

Reliable

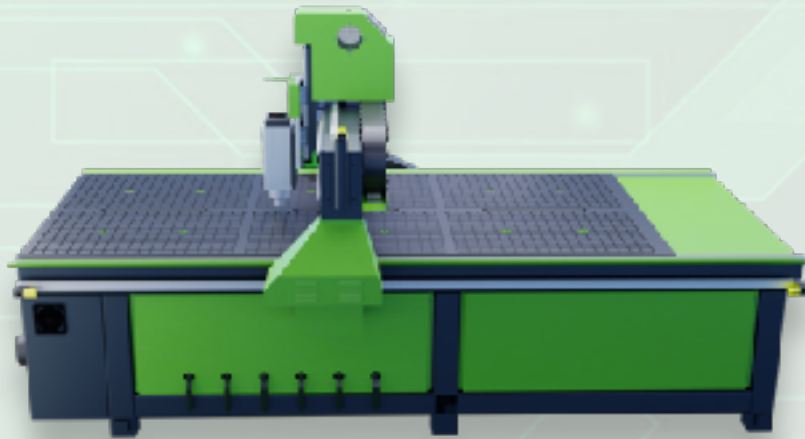
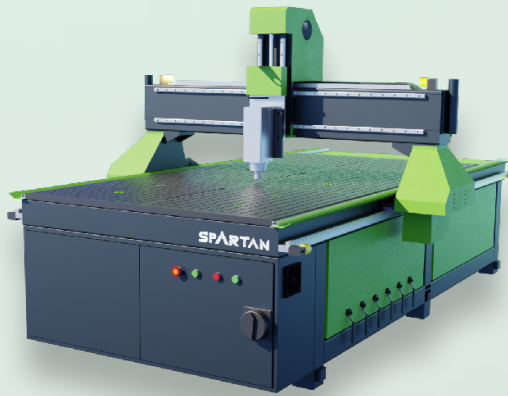
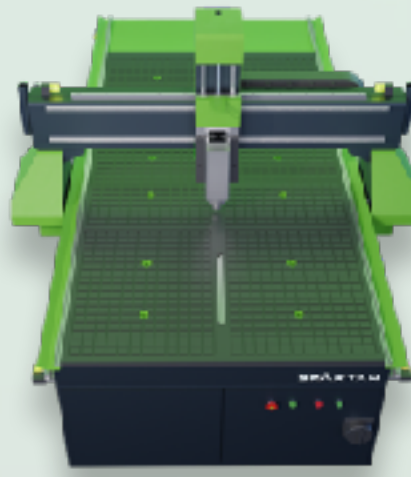
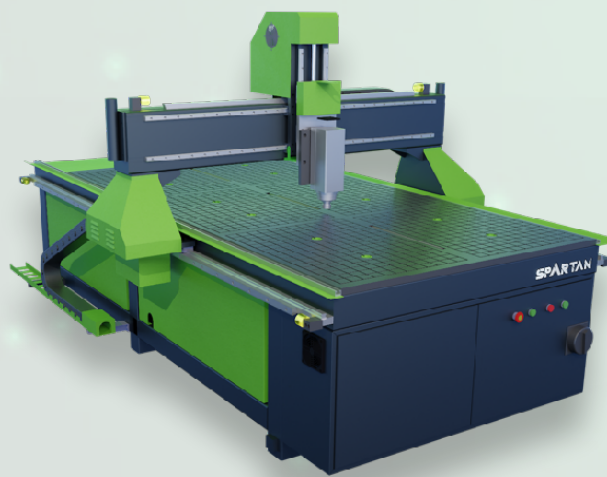
Simple controls, easy to use and reliable. The Spartan range offers our customers an excellent user experience.

Versatile

Perfect for start-ups and customers looking to 'grow into' their business. Used by customers in a wide range of industries. Able to process a variety of different material types.

Vacuum Holding

All of our Spartan CNC Routers are configured with matrix vacuum holding beds as standard for effective material holding whilst cutting and engraving.



Single and 3-Phase
Options

Data Sheet for the Spartan 6090 CNC Router

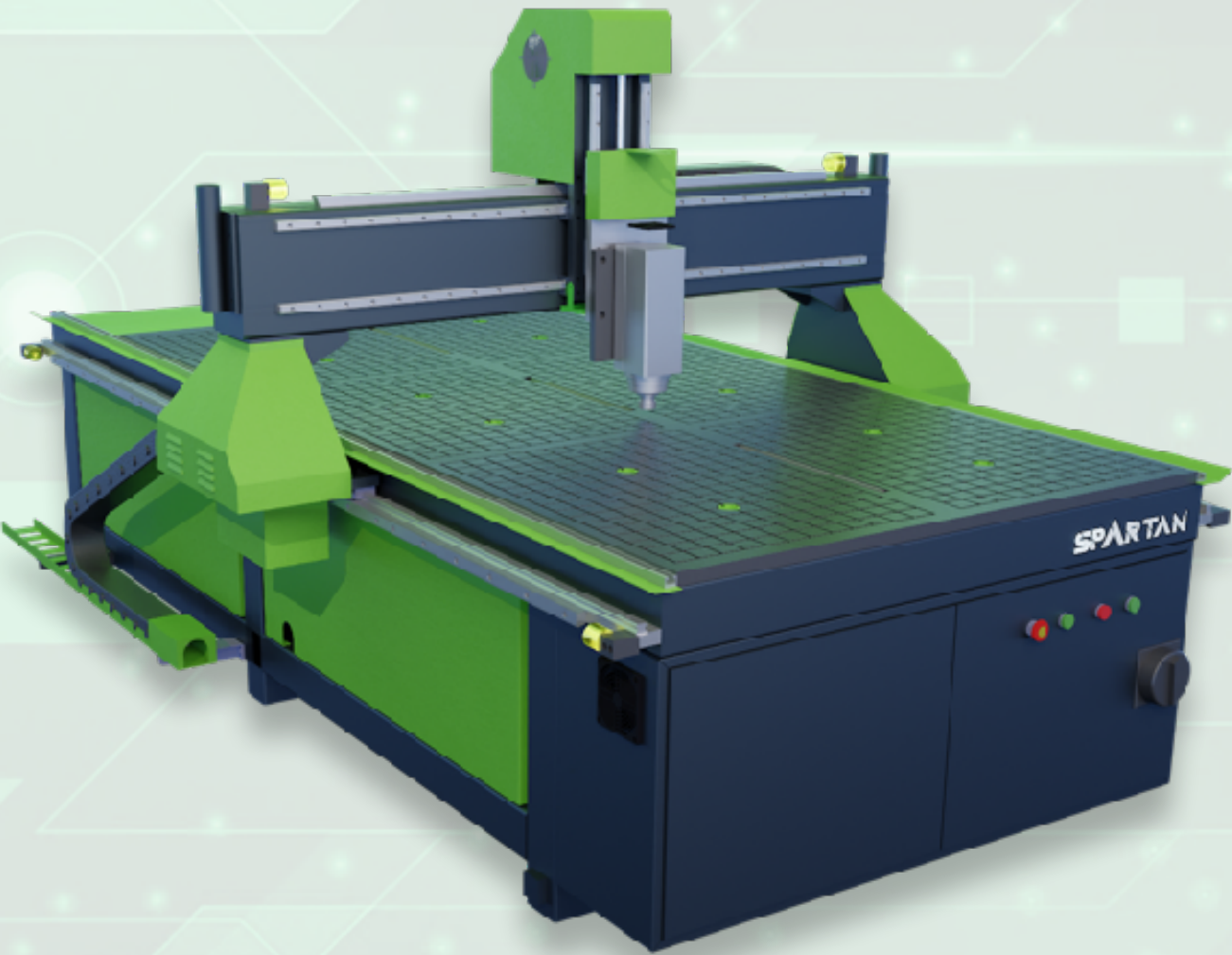
Spartan CNC Routers are available in a range of standard bed sizes (custom sizes may be available upon request)

Model: Spartan 6090		
Power requirements	Single Phase Only	
Tool Change	Manual Tool Change System	
Spindle Information		
Water chillled	2.2kW	Chiller Included
Collet Size	ER20	
Bed Design		
Bed Size (mm)	600 x 900	
Vacuum Bed	Matrix Vacuum Holding System	
Vaccum Pump	Yes - Included 2.2kW	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
DSP control	NK105 Control System - Very Easy to Operate	
Drive System		
Stepper	Fast and Accurate Stepper Drives	
Mechanical Drive System		
Z	Ballscrew	
X,Y	Ballscrew	

Weights & Dimensions	
Length (mm)	1390
Height (mm)	1500
Width (mm)	1220
Weight (Approximately)	
Weight (kg)	600
Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Spartan Post Processor Supplied
Warranty	
Parts & Labour	12 Months

A Compact Powerhouse

Perfect for small workshops, education and more...



Spartan 1325 shown for illustration only.

Data Sheet for the Spartan 1313 CNC Router

Spartan CNC Routers are available in a range of standard bed sizes (custom sizes may be available upon request)

Model: Spartan 1313		
Power requirements	Single Phase Only	
Tool Change	Manual Tool Change System	
Spindle Information		
Water chillled	3kW	Chiller Included
Collet Size	ER25	
Bed Design		
Bed Size (mm)	1300 x 1300	
Vacuum Bed	Matrix Vacuum Holding System	
Vaccum Pump	Yes - Included 2.2kW	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
DSP control	NK105 Control System - Very Easy to Operate	
Drive System		
Stepper	Fast and Accurate Stepper Drives	
Mechanical Drive System		
Z	TBI Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	1830
Height (mm)	1720
Width (mm)	2100
Weight (Approximately)	
Weight (kg)	950
Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Spartan Post Processor Supplied
Warranty	
Parts & Labour	12 Months

Enhanced Bed Size

Over the Spartan 6090 model, the 1313 is an impressive, easy to use CNC router.



Spartan 1325 shown for illustration only.

Spartan CNC Routers are available in a range of standard bed sizes
(custom sizes may be available upon request)

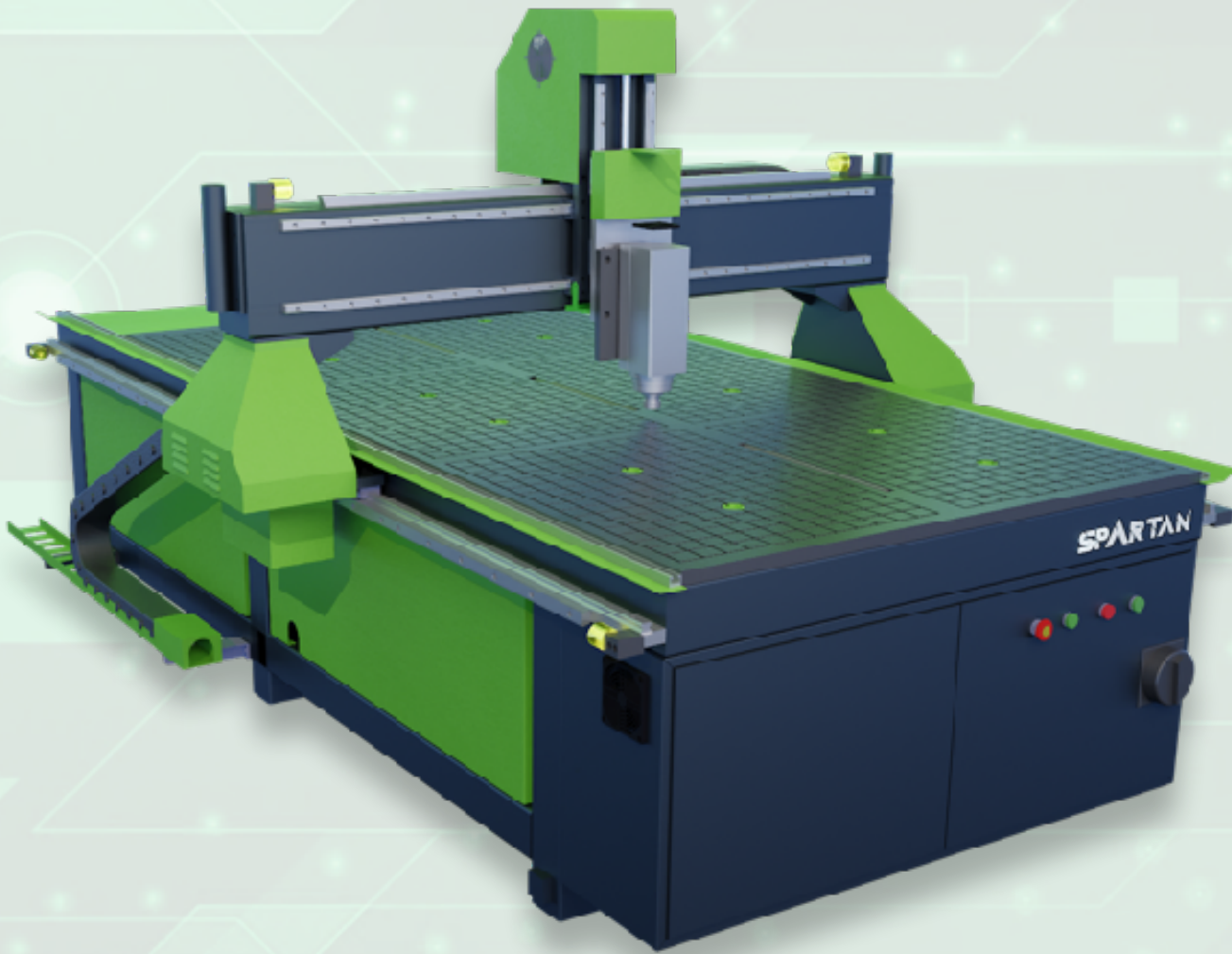
Data Sheet for the Spartan 1325 CNC Router

Model: Spartan 1325		
Power requirements	Single Phase or 3-Phase	
Tool Change	Manual Tool Change System	
Spindle Information		
Air Cooled	6kW	(4.5kW if you opt for Single Phase)
Collet Size	ER32	
Bed Design		
Bed Size (mm)	1300 x 2500	
Vacuum Bed	Matrix Vacuum Plus T-Slot Clamps	
Vaccum Pump	Yes - Included 5.5kW (ask for single phase)	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
DSP control	NK105 Control System - Very Easy to Operate	
Drive System		
Stepper	Fast and Accurate Stepper Drives	
Mechanical Drive System		
Z	TBI Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	3100
Height (mm)	1800
Width (mm)	2100
Weight (Approximately)	
Weight (kg)	1350
Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Spartan Post Processor Supplied
Warranty Period	
Parts & Labour	12 Months

Most Popular Size

With the versatile bed size, the 1325 model is our most popular Spartan



Spartan 1325 shown for illustration only.

Spartan CNC Routers are available in a range of standard bed sizes
(custom sizes may be available upon request)

Data Sheet for the Spartan 1530 CNC Router

Model: Spartan 1530		
Power requirements	Single Phase or 3-Phase	
Tool Change	Manual Tool Change System	
Spindle Information		
Air Cooled	6kW	(4.5kW if you opt for Single Phase)
Collet Size	ER32	
Bed Design		
Bed Size (mm)	1500 x 3000	
Vacuum Bed	Matrix Vacuum Plus T-Slot Clamps	
Vaccum Pump/s	Yes - Included 5.5kW (ask for single phase)	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
DSP control	NK105 Control System - Very Easy to Operate	
Drive System		
Stepper	Fast and Accurate Stepper Drives	
Mechanical Drive System		
Z	TBI Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	3700
Height (mm)	1800
Width (mm)	2180
Weight (Approximately)	
Weight (kg)	1700
Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Spartan Post Processor Supplied
Warranty Period	
Parts & Labour	12 Months

Most Popular Size

With the versatile bed size, the 1325 model is our most popular Spartan



Spartan 1325 shown for illustration only.

Spartan CNC Routers are available in a range of standard bed sizes
(custom sizes may be available upon request)

Data Sheet for the Spartan 2030 CNC Router

Model: Spartan 2030		
Power requirements	Single Phase or 3-Phase	
Tool Change	Manual Tool Change System	
Spindle Information		
Air Cooled	6kW	(4.5kW if you opt for 3-Phase)
Collet Size	ER32	
Bed Design		
Bed Size (mm)	2000 x 3000	
Vacuum Bed	Matrix Vacuum Plus T-Slot Clamps	
Vaccum Pump/s	Yes - Included 5.5kW (ask for single phase)	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
DSP control	NK105 Control System - Very Easy to Operate	
Drive System		
Stepper	Fast and Accurate Stepper Drives	
Mechanical Drive System		
Z	TBI Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	3700
Height (mm)	1800
Width (mm)	2350
Weight (Approximately)	
Weight (kg)	2000
Software	
CAD/CAM	Vetric V Carve Pro
Post Processor	Spartan Post Processor Supplied
Warranty Period	
Parts & Labour	12 Months

Most Popular Size

With the versatile bed size, the 1325 model is our most popular Spartan



Spartan 1325 shown for illustration only.

Each of our Spartan CNC Routers is equipped with the **latest edition of Vectric VCarve Pro**, ensuring seamless and user-friendly CAD/CAM capabilities. Designed to enhance productivity and precision, VCarve Pro offers an intuitive interface with powerful design and toolpath creation tools, making it ideal for users at all experience levels. This impressive software package streamlines your process, allowing you to bring your ideas to life with ease and accuracy.

2D Import & Editing

VCarve can import 2D designs from other programs but also provides a full set of drawing and editing tools.

2D & 2.5D Toolpath Options

The toolpath options cover all typical 2D routing operations such as profiling, pocketing, auto-inlays, drilling and thread milling as well as 2.5D strategies.

3D Rough & Finish

For 3D you can rough and finish the model and there are options to project 2D and 2.5D toolpaths onto the 3D surface.

Customise & Control

Each toolpath includes appropriate options to customize the settings and provide a high level of control for different types of operation.

3D Model Import

VCarve includes the ability to import multiple Vectric 3D models as well as a single 3rd party model, where they can be assembled to suit your design.

Instant Preview Updates

All toolpaths can be previewed to show just how the part will look when it is actually cut, this allows instant feedback to allow toolpaths to be further optimized

Drawing & Layout Tools

The software has a comprehensive set of drawing tools to let you easily create vectors from scratch or add to imported data.

Merging Templates

All of our Spartan CNC Routers are configured with matrix vacuum holding beds as standard for effective material holding whilst cutting and engraving.

True Shape Nesting

Part Nesting is perfect for Sign and Cabinet makers who need to minimize material wastage and cut as many parts – letters & cabinet doors / panels – as possible from sheet materials. Reduce Material Costs = Increased Profits.

Job Sheet Creation

The create set-up job sheet command allows you to create a summary sheet that details all the important information you will need at your CNC machine when you come to run the toolpaths.

Gadgets

Gadgets are small programs that add additional functionality to Vectric products. They can be used to add new features to the software or automate common sequences of tasks.

2 Sided Machining

Two-sided machining adds the ability to create double-sided projects in the same session. It avoids the need to have 2 sessions, one for each side.

And much more...

Our typical delivery, installation and training process.

Delivery

Your Spartan includes delivery to the UK mainland; however, offloading and siting are the customer's responsibility, and a suitable forklift is required to remove the CNC from the wagon. Note that we will advise you on the method of offloading, such as the correctly rated forklift, and how to move the machine into place. Upgraded delivery methods are available if you have no means to offload the machinery.

Installation

Our professional installation team will promptly arrive on the agreed installation date. Typically, the commissioning of the machine will take one day, with the first half of the day being the commissioning, and the second part of the day being dedicated to your training. Our engineer will take care of everything for you in getting the machine commissioned and ready for operation, the only requirement is to ensure the machine is connected to your electrical supply.

Finance Options

Finance Options are available. Why not spread the cost of your machinery purchase? Our finance partner Percy Finance Ltd is an appointed representative of AFS Compliance Ltd which is authorised and regulated by the Financial Conduct Authority. Firm number 625035, Percy Finance Ltd is a franchisee of Asset Finance Solutions (UK) Ltd.

All quotes are subject to status - minimum trading of 2 years.

Machine Training

Our CNC Router installation engineers are not only highly skilled professionals but also approachable and patient, dedicated to making your experience seamless. They provide comprehensive machinery training in a relaxed and supportive atmosphere, ensuring you feel confident and comfortable every step of the way. With their expertise and commitment to excellence, you can trust that your installation and training will be a smooth, stress-free process, setting you up for long-term success.

Software Training

We include Vectric VCarve Pro with all our CNC Routers and provide training for up to four operators in a calm, supportive setting. Our expert engineers tailor the training to each person's skill level, ensuring everyone can safely import designs, set up tool paths, and prepare files for production. Our goal is to equip your team with the basic knowledge and skills necessary to safely use your new machine.

SPARTAN

Mantech's Aftersales and Support are founded on over 25 years of experience providing machinery tools to businesses across the UK, Ireland, and Europe. We offer comprehensive support through our fully staffed 6-person service desk and a team of 15 skilled road engineers, dedicated to delivering prompt and professional assistance. All customers benefit from access to our service portal, enabling them to easily track communications, book services, and stay informed every step of the way. At Mantech, service isn't just a priority—it's the foundation of our business.

Service Desk

Our dedicated 6-person service desk is always ready to assist you with any inquiries or technical issues. With a fully staffed, office-based team, we ensure you receive prompt and reliable support whenever you need it.

Fully Manned Team

Our robust support network includes 15 skilled road engineers who are strategically positioned to provide on-site assistance across the UK, Ireland, and Europe. Whether it's installation, maintenance, or repairs, our expert team is equipped to deliver fast, professional service.

Extended Warranty

For added peace of mind, we offer extended warranty options of up to 5 years, providing you with comprehensive coverage and minimising downtime. Our warranties are designed to keep your equipment running smoothly, ensuring long-term reliability and performance.

Service Portal

Our online service portal offers convenient access for tracking communications, booking services, and monitoring the progress of your requests. It also provides a wealth of resources, including hints, tips, and guides to help you get the most out of your machinery.



SPARTAN