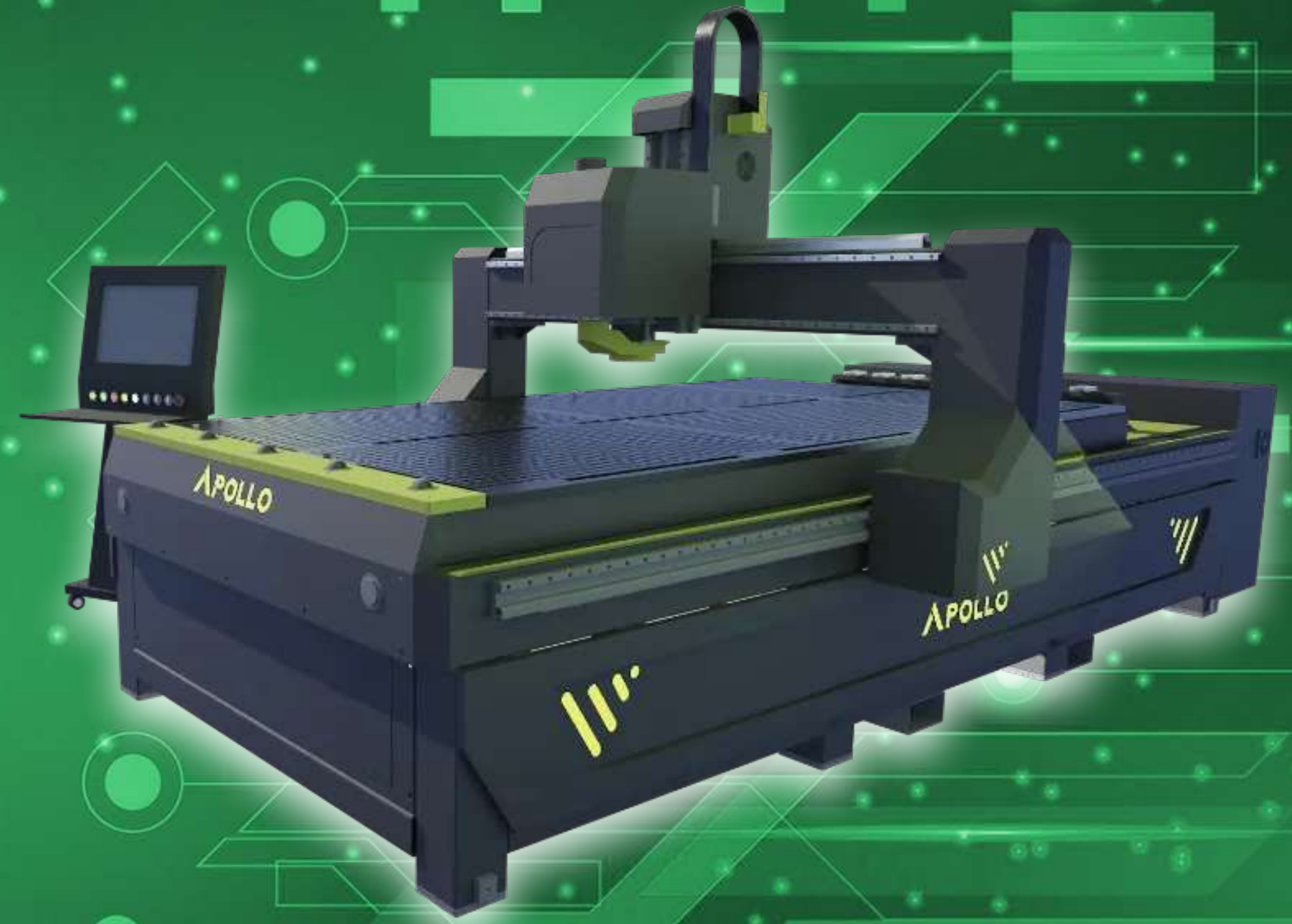


APOLLO

ATC CNC Routers

High Performance
Automatic Tool Change



Apollo CNC Routers, High Performance with M-TECH Control.

A fully featured CNC Router that combines our **M-TECH CNC motion control with full touch screen operation**, exceptional build quality, performance and first-class after-sales care. **Available in both automatic tool change and manual configurations.**

Our Apollo range has been painstakingly **designed by our team of engineers in the UK**. Our mechanical and electrical engineering team has been pivotal in the development and assembly of the Apollo. Our team is in a constant R&D cycle, constantly improving an already impressive system.

All of our **CNC routers have exceptional build quality but we go the extra mile with the Apollo range**, with our built-like-a-tank heavy-duty frame. This all-steel construction is fully heat-treated to eliminate distortion defects in manufacturing, giving you exceptional performance over the machine's lifetime.

A professional, high-end CNC router with our **M-TECH CNC Motion Control**, you can control all aspects of your machine. Combined with our fast auto tool change system (Apollo ATC option) this enables users to change tools with no intervention, saving precious production time.

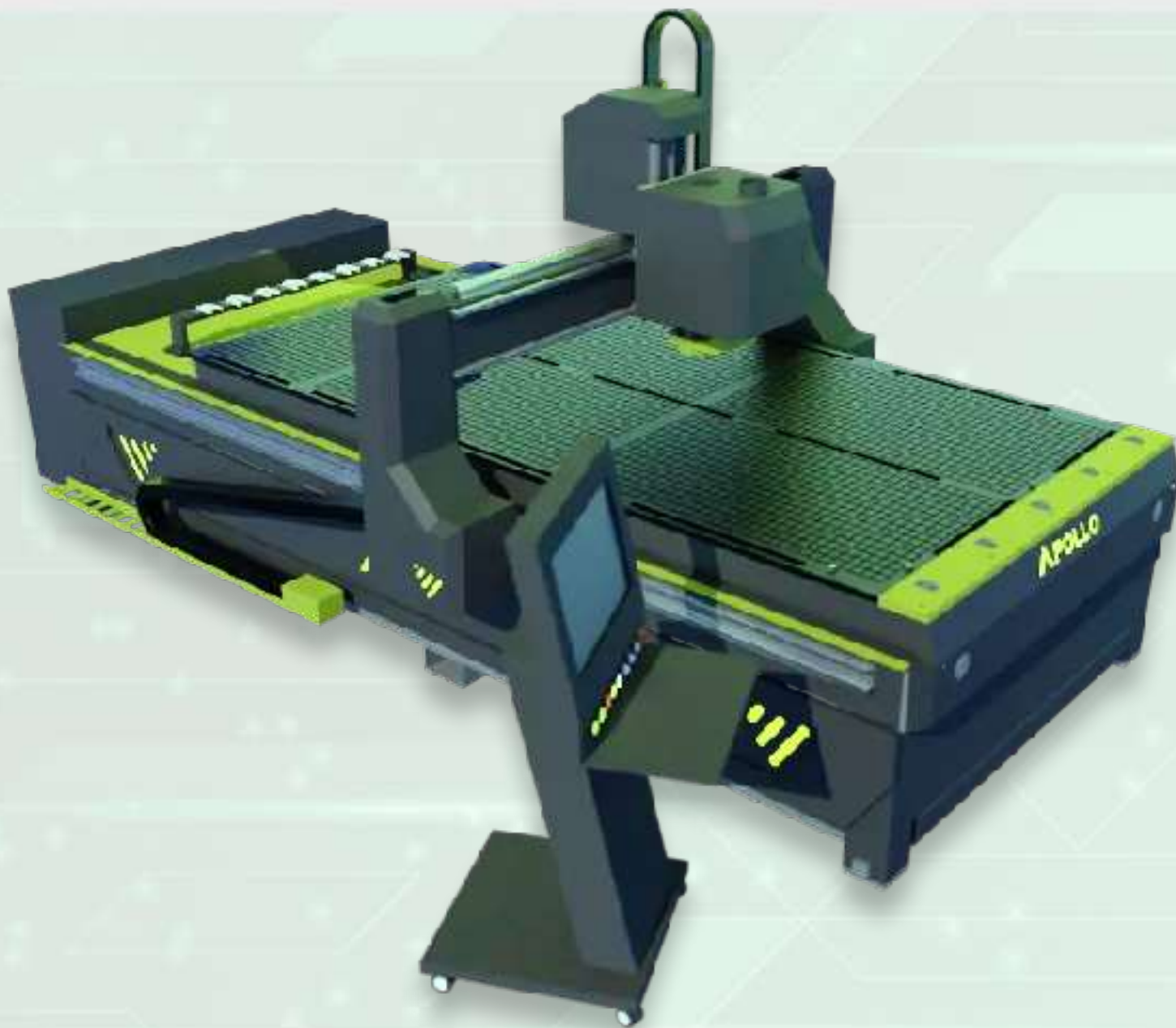
Why not call us today and book your very own personalised demonstration?

- | | | | |
|-------------------------|---------------------|-----------------|-------------------------|
| + 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 |



ATC and Manual
Options

Apollo Models



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

Model	Bed Size (mm)	Electrics	Spindle size (kW)
Apollo 1313	1300 x 1300	3-Phase	7.5 kW (Manual) 9.0 kW (ATC) Air Cooled
Apollo 1325	1300 x 2500	3-Phase	7.5 kW (Manual) 9.0 kW (ATC) Air Cooled
Apollo 1530	1500 x 3000	3-Phase	7.5 kW (Manual) 9.0 kW (ATC) Air Cooled
Apollo 2030	2000 x 3000	3-Phase	7.5 kW (Manual) 9.0 kW (ATC) Air Cooled
Apollo 2040	2000 x 4000	3-Phase	7.5 kW (Manual) 9.0 kW (ATC) Air Cooled

High Performance
CNC Routers

The **Falcon ATC CNC Router** is the perfect choice for any workshop. With its automatic tool change feature, you can quickly and easily switch between tools for maximum efficiency. Its impressive performance and competitive price make it an ideal choice for any project.

Affordable

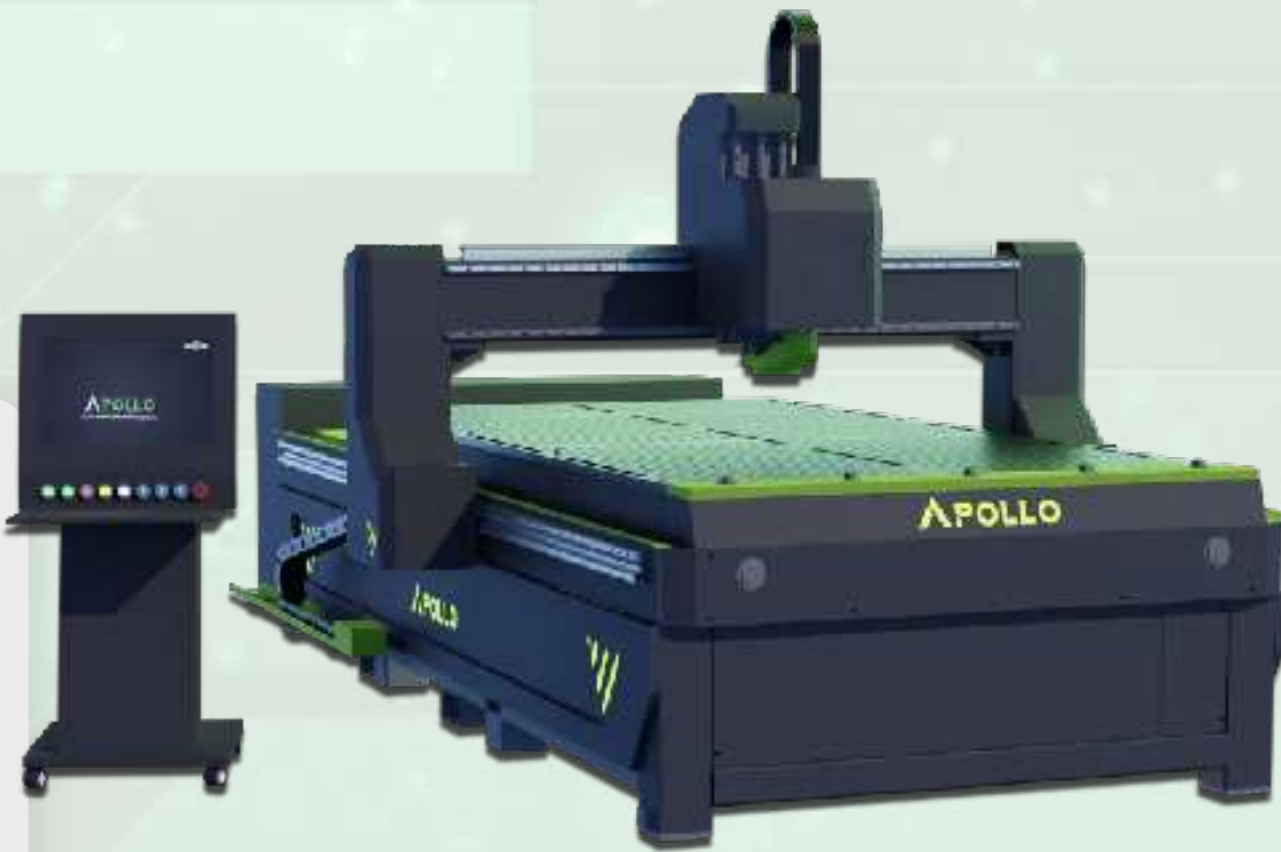
The Falcon CNC Router range includes high-quality, reliable components, yet this truly industrial CNC Router still comes with a highly competitive price tag.

Automatic Tool Change

Fast auto tool changes at a cost less than most competitors' manual-based machines, allowing you to enjoy production time savings for less.

Easy to Operate

Impressive performance doesn't have to be hard to achieve, that's why we introduced our easy-to-use Falcon range, making this CNC router cinch to use.



With our range **starting at only £20,294.00 plus VAT**, Apollo is our high-performance CNC Router range that's built for customers wanting the very best we offer, including our own **in-house developed M-TECH CNC Motion Control system**.

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.

Touchscreen Control

Control your CNC router via touch operation (including traditional methods such as mouse and keyboard).

Windows PC

Familiar operating environment – easy to use, not many people/operators don't know how to use MS Windows.

Network Capable

Connect the machine to your network – easily transfer files from your design department to the CNC.

Third-Party Software

As this is a windows based machine, run other software such as V-carve or Alphacam, directly on the machine.

UK Designed

The Apollo range has been designed here in the UK by our team of mechanical and electrical engineers, offering customers impressive performance.

Powerful Vacuum

Control your vacuum zones via touch – the vacuum can also be automatically operated when the machine starts and stops (energy saving and convenient).

Wireless Pendant

Control your machine with your wireless pendant for ultimate granular controls. Including custom macro functions assigned to your pendant.

Material Location Stops

Automatic operation of location stops, enabling you to accurately 'locate' your work material onto the vacuum bed for location in the same place every time.

Workpiece Simulation

Get a 3D view of your project and simulate processing just before cutting. Saving on waste materials by checking for errors before you commence.

ATC (Optional)

Ready for improved productivity? save time and money using an automatic tool change CNC router like the Apollo ATC range.

Project Duration

Easily see how long the cutting process will take with accurate time measurements. This will may assist you in being able to quote specific jobs and projects.

Advanced Algorithms

The system constantly reads g-code multiple steps ahead of the actual movement, analysing and adjusting pre the event. Extremely efficient operation.

Enhanced Spindle Control

As our motion control system uses an analogue rather than a digital signal, you can get granular control over your spindle speed, right down to 1 rpm increments.

G-Code Editor

Enables the user to make alterations to the g-code. Including a jump-to-line function.

Powerful Spindles

As the Apollo uses a powerful 7.5kW air cooled spindle in the manual option and a 9.0kW in the ATC model, all Apollo CNC Routers are 3-phase machines

Data Sheet - Model 1313



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

A Compact Powerhouse
Full Auto Tool Change

Model: Apollo 1313		
Power requirements	3-Phase	
Tool Change	Manual (7.5kW) and ATC (9.0kW) options	
Spindle Information		
Air Cooled	7.5kW / 9.0kW Options	Auto Tool Change Electro Spindle
Tool Positions	10 Tool Positions - ISO30 Tool Standard	
Collet Size	ER32	
Tool Cooling	Integrated pneumatic cutter cooling	
Bridge Height		
Standard height	300 mm	
Bed Design		
Bed Size (mm)	1300 x 1300	
Material Positioning Stops	Pneumatic pop-up end stops for material location	
Vacuum Bed	Matrix Vacuum Holding System	
Vaccum Pump System	Yes - Included 7.5kW	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
PC Podium Control	M-TECH CNC Motion Control (Touch and keyboard/mouse operation)	
Drive System		
Servo	High Accuracy Delta Servo Drives	
Mechanical Drive System		
Z	Reciprocating Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	2746
Height (mm)	2717
Width (mm)	2195
Weight (Approximately)	
Weight (kg)	1300
Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Apolllo Post Processor Supplied
Warranty	
Parts & Labour	24 Months
Safety Features	
Guards	Modular safety fencing & optical IR guarding
Upgrades	
Rotary Indexer	Perfect for cylindrical items (posts, etc)



Apollo 1325 shown for illustration only.

Data Sheet - Model 1325



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

A Compact Powerhouse
Full Auto Tool Change

Model: Apollo 1325		
Power requirements	3-Phase	
Tool Change	Manual (7.5kW) and ATC (9.0kW) options	
Spindle Information		
Air Cooled	7.5kW / 9.0kW Options	Auto Tool Change Electro Spindle
Tool Positions	10 Tool Positions - ISO30 Tool Standard	
Collet Size	ER32	
Tool Cooling	Integrated pneumatic cutter cooling	
Bridge Height		
Standard height	300 mm	
Bed Design		
Bed Size (mm)	1300 x 2500	
Material Positioning Stops	Pneumatic pop-up end stops for material location	
Vacuum Bed	Matrix Vacuum Holding System	
Vaccum Pump System	Yes - Included 7.5kW	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
PC Podium Control	M-TECH CNC Motion Control (Touch and keyboard/mouse operation)	
Drive System		
Servo	High Accuracy Delta Servo Drives	
Mechanical Drive System		
Z	Reciprocating Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	3946
Height (mm)	2717
Width (mm)	2195
Weight (Approximately)	
Weight (kg)	1600
Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Apolllo Post Processor Supplied
Warranty	
Parts & Labour	24 Months
Safety Features	
Guards	Modular safety fencing & optical IR guarding
Upgrades	
Rotary Indexer	Perfect for cylindrical items (posts, etc)



Apollo 1325 shown for illustration only.

Data Sheet - Model 1530



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

A Compact Powerhouse
Full Auto Tool Change

Model: Apollo 1530		
Power requirements	3-Phase	
Tool Change	Manual (7.5kW) and ATC (9.0kW) options	
Spindle Information		
Air Cooled	7.5kW / 9.0kW Options	Auto Tool Change Electro Spindle
Tool Positions	10 Tool Positions - ISO30 Tool Standard	
Collet Size	ER32	
Tool Cooling	Integrated pneumatic cutter cooling	
Bridge Height		
Standard height	300 mm	
Bed Design		
Bed Size (mm)	1500 x 3000	
Material Positioning Stops	Pneumatic pop-up end stops for material location	
Vacuum Bed	Matrix Vacuum Holding System	
Vaccum Pump System	Yes - Included 7.5kW	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
PC Podium Control	M-TECH CNC Motion Control (Touch and keyboard/mouse operation)	
Drive System		
Servo	High Accuracy Delta Servo Drives	
Mechanical Drive System		
Z	Reciprocating Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	4546
Height (mm)	2850
Width (mm)	2500
Weight (Approximately)	
Weight (kg)	1800
Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Apolllo Post Processor Supplied
Warranty	
Parts & Labour	24 Months
Safety Features	
Guards	Modular safety fencing & optical IR guarding
Upgrades	
Rotary Indexer	Perfect for cylindrical items (posts, etc)



Apollo 1325 shown for illustration only.

Model: Apollo 2030		
Power requirements	3-Phase	
Tool Change	Manual (7.5kW) and ATC (9.0kW) options	
Spindle Information		
Air Cooled	7.5kW / 9.0kW Options	Auto Tool Change Electro Spindle
Tool Positions	12 Tool Positions - ISO30 Tool Standard	
Collet Size	ER32	
Tool Cooling	Integrated pneumatic cutter cooling	
Bridge Height		
Standard height	300 mm	
Bed Design		
Bed Size (mm)	2000 x 3000	
Material Positioning Stops	Pneumatic pop-up end stops for material location	
Vacuum Bed	Matrix Vacuum Holding System	
Vaccum Pump System	Yes - Included 7.5kW	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
PC Podium Control	M-TECH CNC Motion Control (Touch and keyboard/mouse operation)	
Drive System		
Servo	High Accuracy Delta Servo Drives	
Mechanical Drive System		
Z	Reciprocating Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	4540
Height (mm)	2850
Width (mm)	2850
Weight (Approximately)	
Weight (kg)	2100

Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Apolllo Post Processor Supplied
Warranty	
Parts & Labour	24 Months
Safety Features	
Guards	Modular safety fencing & optical IR guarding
Upgrades	
Rotary Indexer	Perfect for cylindrical items (posts, etc)

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

A Compact Powerhouse

Full Auto Tool Change



Apollo 1325 shown for illustration only.

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

A Compact Powerhouse
Full Auto Tool Change

Model: Apollo 2040		
Power requirements	3-Phase	
Tool Change	Manual (7.5kW) and ATC (9.0kW) options	
Spindle Information		
Air Cooled	7.5kW / 9.0kW Options	Auto Tool Change Electro Spindle
Tool Positions	12 Tool Positions - ISO30 Tool Standard	
Collet Size	ER32	
Tool Cooling	Integrated pneumatic cutter cooling	
Bridge Height		
Standard height	300 mm	
Bed Design		
Bed Size (mm)	2000 x 4000	
Material Positioning Stops	Pneumatic pop-up end stops for material location	
Vacuum Bed	Matrix Vacuum Holding System	
Vaccum Pump System	Yes - Included 7.5kW	
Extraction		
Swarf/Spoil Extraction	Yes Included	
Control System		
PC Podium Control	M-TECH CNC Motion Control (Touch and keyboard/mouse operation)	
Drive System		
Servo	High Accuracy Delta Servo Drives	
Mechanical Drive System		
Z	Reciprocating Ballscrew	
X,Y	Helical Rack & Pinion	

Weights & Dimensions	
Length (mm)	5540
Height (mm)	2850
Width (mm)	2850
Weight (Approximately)	
Weight (kg)	2300

Software	
CAD/CAM	Vectric V Carve Pro
Post Processor	Apolllo Post Processor Supplied
Warranty	
Parts & Labour	24 Months
Safety Features	
Guards	Modular safety fencing & optical IR guarding
Upgrades	
Rotary Indexer	Perfect for cylindrical items (posts, etc)



Apollo 1325 shown for illustration only.

Each of our Falcon 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 Apollo 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.

APOLLO



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.

