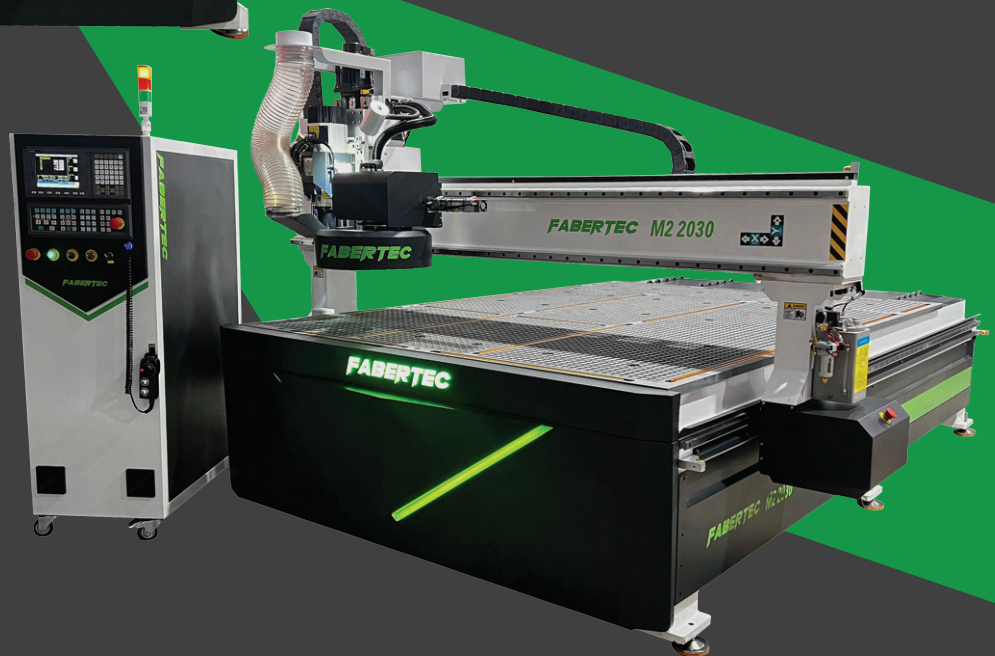


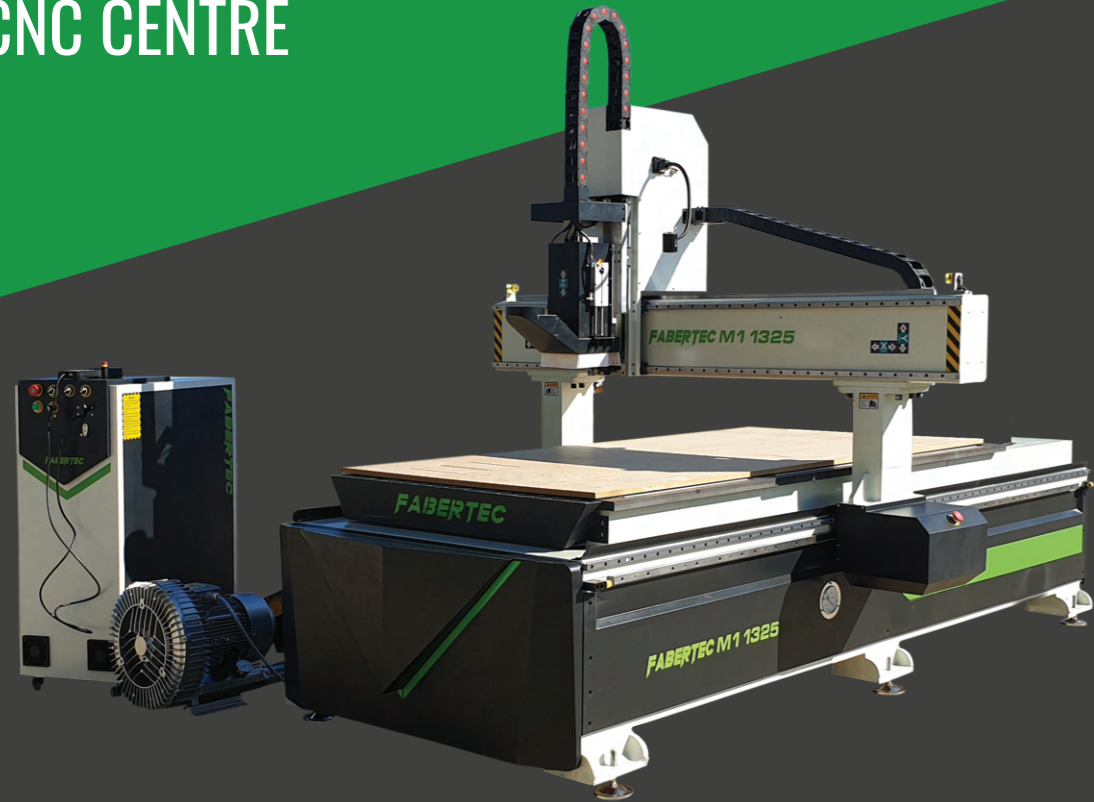
FABERTEC™ GROUP UK

BY FABRICATORS
FOR FABRICATORS



FABERTEC M1 & M2 CNC CENTRE ROUTERS 1325/1530/2030

FABERTEC M1 CNC CENTRE



This machine is specially dedicated to semi professional users. Packed with latest engineering solutions, servo motors, strong 6kW air cooled spindle, simple to use controller and more.

Ideal solutions for firms starting their journey with CNC machining. You can process materials like mdf, timber, mfc, plastics, acrylic stone, boards (Corian/Hi-Macs), plexi, PVC, ACM, dibond, carbon, and many many more. By investing in heavy structure and powerful motors you can easily cut 22mm ply/mdf in one pass with high speeds of 8-10m/min. Designed for joiners, fabricators, sign makers, and van conversion specialists we've made a "package" that you can use literally from day 1 after installation.



As we were getting more and more enquiries from clients who wanted to cut and groove aluminum sheets for doors for example, we decided to add to our M1 and M2 models free of charge mist coolant. It allows operators to use cutting bits for aluminium which under regular conditions would heat up quickly and break during aluminium cutting. Now you can use compressed air or coolant to jet on your cutting bit prolonging its life and allowing to cut material like alu.

FABERTEC M1 ATC CNC CENTRE



For the workshops which needs multiple tools to be used in one operation like engraving, drilling, carving, routing etc we strongly advice to invest in the ATC (Automatic Tool Changer). This upgrade will allow you to run multiple tools (up to 8) in one single program greatly reducing design process, operator time and breaks in processing on cnc machine. In this option your CNC machine will be supplied with special 9kW spindle which allows automatic tool changing, storage for 8 tools and automatic tool length measure. Of course as we thinking about your budget and time – all 8 chucks (tool holders), collets and extra router bits will be supplied free of charge.

All FABERTEC machines are designed in UK keeping in mind that fabricators will be using them not engineers or sales people. British firms and users of our machines cannot afford lengthy stopovers hence the build quality and parts used are from top brands without penny spared. We managed to do that yet still keep overall price as low as possible to allow almost any large or small shops to be able to invest in FABAERTEC CNC.

FABERTEC M1 BUILD QUALITY

Parts or solutions we offer with every M1 models.

6kW/9kW AIR COOLED SPINDLE

From now on you can cut even 22mm ply in one pass. We never use cheap water cooled spindles.



AUTOMATIC LUBRICATION

To save your time by automatically lubricating all runners and keep machine in top condition.



DUST EXTRACTOR 3kW

Always in set, powerful double bag dust extractor. So you can start processing from day one.



AIR COOLED VACUUM

7.5kW vacuum pump air cooled. We never use cheap water cooled pumps.



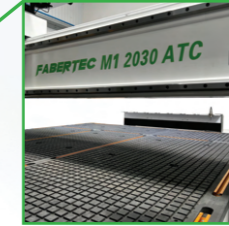
DELTA INVERTER

Branded USA inverter for spindle to always have smooth revolution of your tool and work even longer shifts.



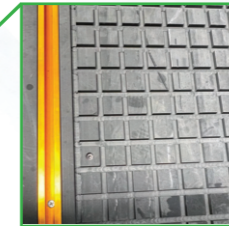
POSITIONING BOLTS

Always position your board exactly on XY=0 in the homing corner. Never again waste your time trying to align your boards to XY axis.



300MM GANTRY HEIGHT

All of our CNC models have a 300mm gantry clearance giving you more ways to process high materials like solid timber, foam for models etc.



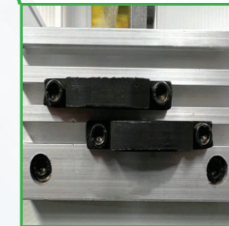
VACUUM TABLE

Effortlessly keeping boards on table by the vacuum. Also clamp rails prepared for solid woods, non smooth materials.



HIWIN GUIDE RAILS

Hiwin 25HG trapezoidal rails designed for 3 ton kinetic loads. 4 times more than gantry weight to keep squariness for years to come.



END OF AXIS SENSORS

As a extra safety we install sensors to prevent CNC hitting end buffers in case of operator error.



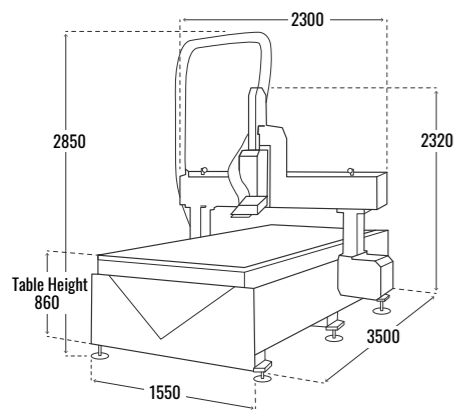
COOLANT

For your soft metal cutting needs like aluminium.

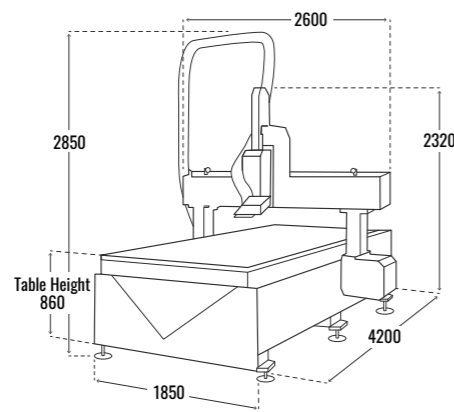


FULL SERVO MOTORS

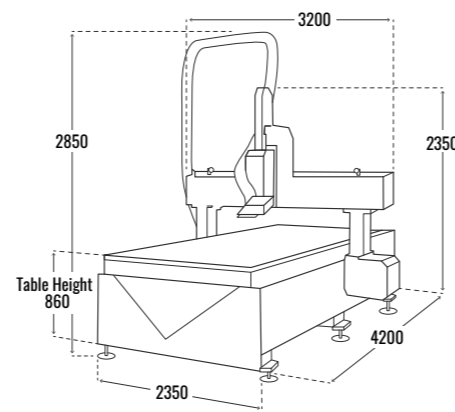
Strong and responsive full servo motors. Running on CATBUS circuit.



FABERTEC M1 1325 CENTRE ROUTER



FABERTEC M1 1530 CENTRE ROUTER



FABERTEC M1 2030 CENTRE ROUTER

RUNNING COSTS OF M1 & M2

Electricity Cost	£6.6/h
Labour Cost	£15/h
Maintenance Cost	£0.52/h
Air Compressor Cost	£1.5/h
Consumables Costs	£2/h

MODEL	TABLE DIMENSIONS	PRICE
FABERTEC M1 1325	1300 x 2500	£14,950.00 + vat
FABERTEC M1 1530	1550 x 3080	£16,950.00 + vat
FABERTEC M1 2030	2070 x 3080	£18,950.00 + vat
FABERTEC M1 1325 ATC 8 Tools Changer	1300 x 2500	£18,950.00 + vat
FABERTEC M1 1530 ATC 8 Tools Changer	1550 x 3080	£20,950.00 + vat
FABERTEC M1 2030 ATC 8 Tools Changer	2070 x 3080	£22,950.00 + vat

OPTIONS	DETAILS	PRICE
Oil free rotary vane pump 11kW KVE360	Recommended for 1530/2030 and for cutting smaller elements.	£3,500 + vat

LEASE PURCHASE OPTION

MODEL	TOTAL PRICE	MONTHLY	WEEKLY	DAILY
M1 1325	£14,950 + vat	£336	£77	£11
M1 2030 with 11kW Vacuum Pump	£26,450 + vat	£595	£137	£20

NOTE: VAT should be paid upfront.

For the latest prices please get in contact or check our website with up to date information.

£25.62 roughly is the cost per hour and £204.00 per 8-hour shift.

Electricity Costs - Running M1 and M2 models when it comes to electricity will be very similar. We will assume a more powerful vacuum pump KVE360 11kW as this will be the case with 1530 and 2030 models. The 1325 model running on a 7.5kW vacuum pump will be a bit lower in power usage. Typical per hour kW usage - 22kW. Assuming approx. £0.30 per kW it will cost £6.6 per hour just to run the machine. Of course between boards, You will switch off almost all motors but let's aim for the worst-case scenario.

Operator costs - Of course vary but our machines are built with simplicity in mind so even a 16-year-old apprentice can run programs after 30-60 minutes of training again let's allow for someone with more experience let's say £30k per year, so around £15.00 per hour.

Maintenance Costs - Now maintenance again can vary dependably if you will just go for one obligatory to keep the next year's warranty or go for a maintenance program. Let's assume Just one maintenance visit per year which is approx. £1000.00 dependable on mileage. Allowing for 1920 hours in a year in 8-hour shifts as you can see this cost will be minimal at just £0.52p per hour.

Air Compressor Costs - Being thorough we cannot forget on cost of the air compressor needed to run aside of CNC machine which will also cost us electricity. Probably you will have larger kW to run other Machines in the workshop but we can allow approx 5kW which is simply calculated as needed to create approx 16-20CFM which CNC needs to run which will cost us approximately £1.5 in electricity.

Consumables Costs - Consumables costs vary based on board type and tool quality. For MFC/MDF 18mm boards, cheaper carbide cutters cost £7-10 each and last for 30-40 boards. Assuming 30 boards cut per day, with additional costs for collets, chucks, etc., approximately £2/hour for consumables should cover it. Higher-end cutters priced at £200-300 will increase costs significantly, as they don't necessarily cut more boards despite the higher price.

Overall Hourly Cost - Of course, we cannot here account for all overheads like workshops, light, heat, office, drafts person, loading/unloading boards, storage, forklift fuel, and many more which we should also, keep in mind if we want to be 100% accurate but that will vary between companies greatly so let's put that aside. Summarising £25.62 roughly is the cost per hour and £204.00 per 8-hour shift - of course assuming the machine is running which is not the case per whole hour.

Revenue Generation - If you investing in CNC machines to provide cutting services in the industry you will be charging roughly £40.00 - £200.00 per board depending on the complexity of the cutting/routing /grooving. The lower Bracket of £40.00 is of course for simple cutouts of elements for carcasses/boxes /table tops etc. This operation shouldn't take more than 7-10 minutes



With every FABERTEC M1 CNC ROUTER we are supplying you a variety of routing and moulding bits, collets for different diameters, tool chucks, clamps, wrenches and spares. We believe you should start your adventure with new cnc router from day one with everything you may need to start your projects.

FABERTEC M1 CNC LATEST INSTALLATIONS

*Type and amount of parts depends on ATC or NON-ATC models.

24 MONTHS WARRANTY

- Parts and labour warranty on site included
- Vcarve Pro CAD/CAM software included free of charge with FABERTEC post processor
- 12 Months warranty for Vacuum Pump.
- Maintenance after 12 months required for a second-year warranty at £600 + travel time (£80/h) + fuel surcharge (£0.90/m).
- Option to extend 3 years for £2,200 + vat (M1 1325 model) and mandatory annual service inspection.

DELIVERY

- Free delivery on curtain side lorry upto 150 miles
- Distances exceeding 150 miles incur charges
- Client needs forklift to unload and position

MODEL 2030 DUE TO MACHINE SIZE CAN ONLY BE DELIVERED BY HIAB

- Free hiab delivery up to 30 miles only
- Up to 50 miles extra £150+ vat
- Up to 100 miles £485+ vat
- Upto 150 miles £600+ vat
- Up to 200 miles extra £1000+vat

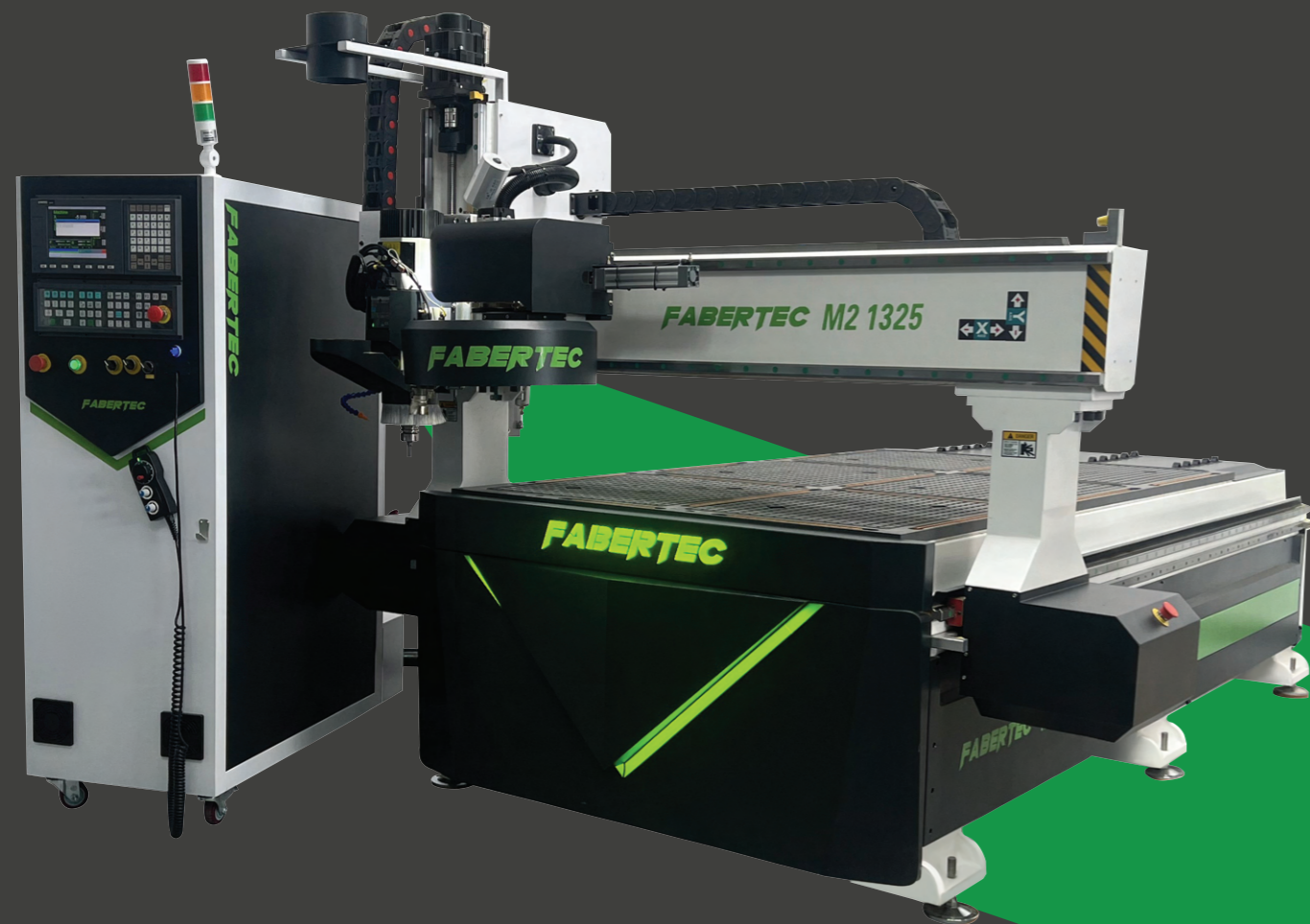
Each delivery will be priced individually according to the Client's final destination

TECHNICAL SPECIFICATION

- Working Surface 1300mm x 2500mm (1550x3080 and 2070x3080 available)
- Max Working Height: Axis Z 300mm
- Motors: Full Servo Motors with Feedback Loop
- Speed: 40 meters / minute
- Software Resolution: 0,01mm
- Positioning Accuracy: Physical 0,05mm
- Runners: HIWIN 25 Heavy Duty (designed for 3ton kinetic load)
- Router Bed: Always as standard vacuum bed with T-slots for clamping
- Spindle: 6kW for regular, 9kW HQD Air Cooled for ATC models
- Spindle RPM: Up to 24000rpm
- Spindle tool diameter: ER32 1-21mm diameter
- Vacuum Pump: 7.5kW Air Cooled
- Software: Vcarve Pro included
- Weight: 1.7ton (1530 – 2.2t, 2030 – 2.7t)
- Power Supply Needed: 415v 3 Phase 32amp



For the latest installation visit our website www.fabertec.co.uk



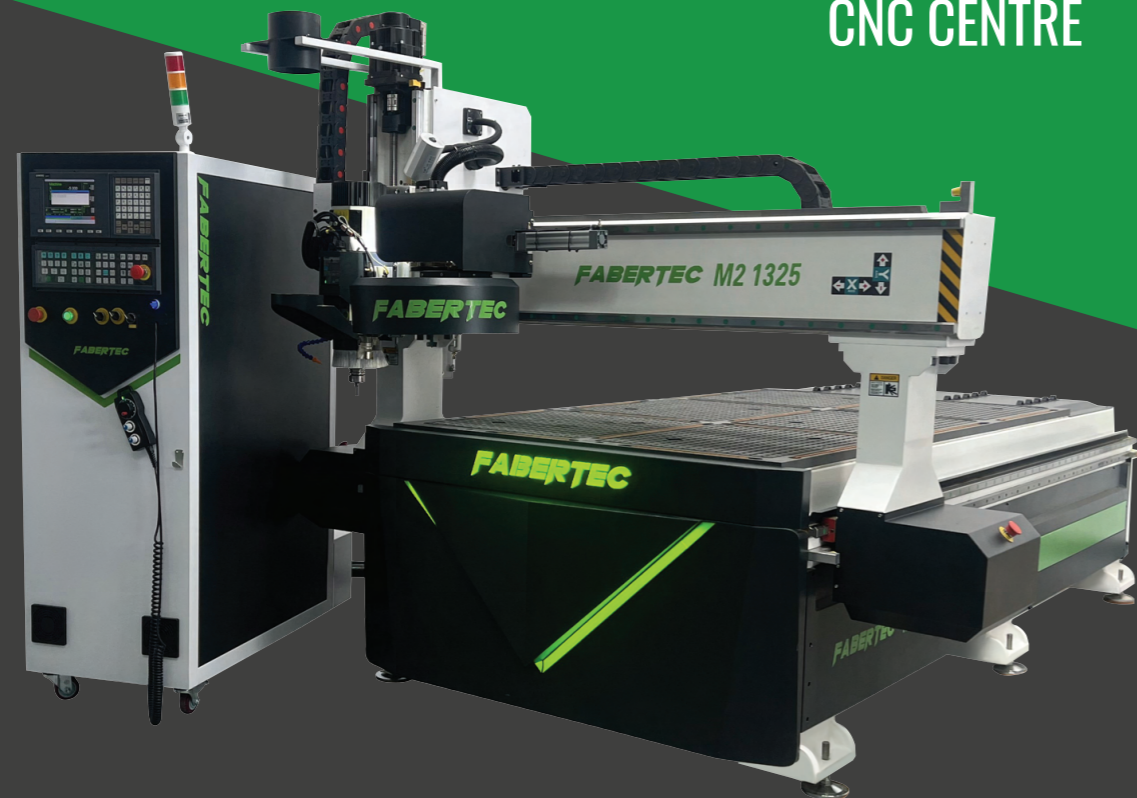
FABERTEC M2 CNC CENTRE
1325/1530/2030

The FABERTEC M2 12 ATC CNC Centre stands as the ultimate solution tailored to meet the demands of today's most rigorous professionals. In sectors where daily 10-12 hour shifts are the norm, this cutting-edge CNC emerges as the perfectly. Its advanced capabilities, including a 12-tool automatic tool changer (ATC), ensure seamless and uninterrupted operations, even during extended work hours.

The M2 is built to conquer challenging tasks across a variety of materials, including solid timber, composite panels, thick plastic/acrylic elements, and solid aluminum sheets. With latest 2024 upgraded model we added a air and coolant mist option which will allow you to cut even aluminium sheets with typical up to fraction of mm Fabertec precision.

Fitted as standard with 9kW (12hp) air cooled spindle together with heavy duty 20/12mm steel structure fully welded, heat stress relieved and all surfaces for runners/linear bearings cnc milled to keep all axis perfect to each other. The ATC carousel storage can hold every tool needed for almost any operations using ISO30 Chucks.

FABERTEC M2 12 ATC CNC CENTRE



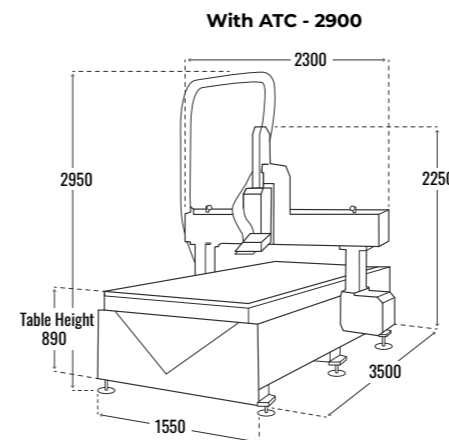
All M2 cnc's are fitted with an ATC located close to spindle for the optimal tool change times. All twelve tool holders, starting bits and collets are included in the package so you can commence with your projects from day one.

Vacuum table with T-slot clamps with air cooled 7.5kW vacuum pump installed as standard. For more demanding cuts with smaller elements or if you choose a larger table (1530/2030) we strongly recommend to upgrade to Rotary Vane 11kW KVE360 vacuum pump which will be much more efficient and effective.

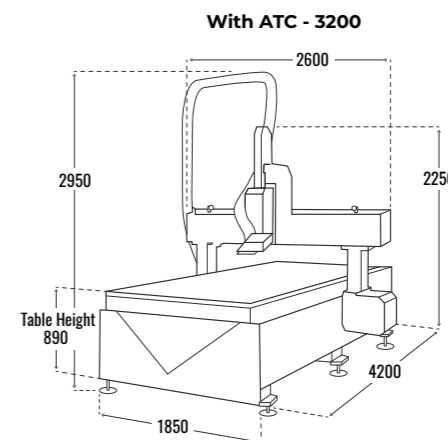
As in our FABERTEC M1 model the M2 also is fitted with FULL SERVO MOTORS with feedback to controllers. We believe, that if you're investing in a CNC machine in the £15-30k range it should always have full servo motors installed not cheaper stepper or hybrid stepper motors. Servo motors will provide you with much higher speeds, better accuracy, parts longevity and more efficient cooperation between motors and the controller due to constant positioning information servo decoders send to controller.

FABERTEC M2 comes as a ready to operate package with a vacuum pump, a double bag dust extractor (free of charge), all necessary tooling, Vcarve Pro CAD/CAM software, and 24 months warranty as well as our support and advice.

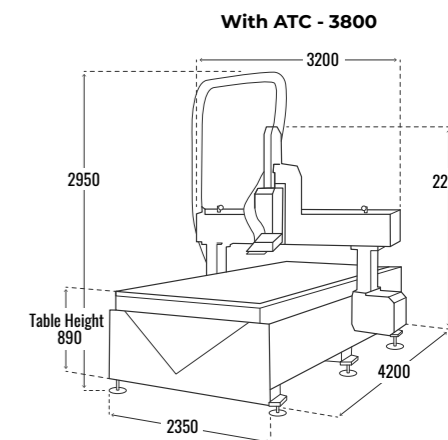
All our machines are designed in UK with fabricators in mind. Just because we are integrating the latest engineering solutions into our products so that doesn't mean they will be difficult to operate, maintain and repair. That's why our machines can be operated by anyone after 2-3h of training. Little to no experience is required.



FABERTEC M2 1325 CENTRE ROUTER



FABERTEC M2 1530 CENTRE ROUTER



FABERTEC M2 2030 CENTRE ROUTER

MODEL	TABLE DIMENSIONS	PRICE
FABERTEC M2 1325	1300 x 2500	£24,500.00 + VAT
FABERTEC M2 1530	1550 x 3080	£26,500.00 + VAT
FABERTEC M2 2030	2070 x 3080	£28,500.00 + VAT

OPTIONS	DETAILS	PRICE
Famous italian brand 9kW spindle	Same working parameters as HQD/JST installed on machines	extra £2,100 + VAT
HQD drilling head - 9 spindles, 32mm centres	9 spindles, 32mm centres - X Axis - 5, Y Axis 4, 10mm diameter. 3200 rpm. Perfect for multiple drilling operations	extra £5,000 + VAT
Oil free rotary vane pump 11kW KVE360	Recommended for 1530/2030 and for cutting smaller elements.	extra £3,500 + VAT

LEASE PURCHASE OPTION

MODEL	TOTAL PRICE	MONTHLY	WEEKLY	DAILY
M2 1325	£24,500+ vat	£551	£127	£18
M2 2030 with 11kW Vacuum Pump	£32,000+ vat	£720	£166	£24

NOTE: VAT should be paid upfront.

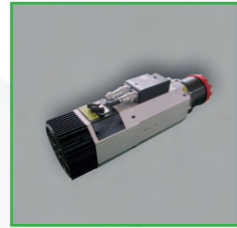
For the latest prices please get in contact or check our website with up to date information.

FABERTEC M2 BUILD QUALITY

Parts or solutions we offer with every M2 model.

SPINDLE 9kW AIR COOLED

From now on you can cut even 22mm ply in one pass. We never use cheap water cooled spindles.



AUTOMATIC LUBRICATION

To save your time by automatically lubricating all runners and keep machine in top condition.



SYNTEC CONTROLLER

Industrial type controller with large LCD display and analog pulse generator wheel.



DELTA INVERTER

Branded USA inverter for spindle to always have smooth revolution of your tool and work even longest shifts.



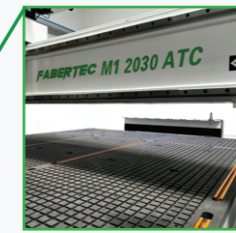
POSITIONING BOLTS

Always position your board exactly on XY=0 in the homing corner. Never again waste your time trying to align your boards to XY axis.



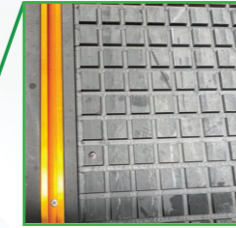
AIR COOLED VACUUM PUMP

7.5kW vacuum pump air cooled. We never use cheap water cooled pumps.



300MM GANTRY HEIGHT

All our cnc models have a 300mm gantry clearance giving you more ways to process high materials like solid timber, foam for models etc.



VACUUM TABLE

Effortlessly keeping boards on table by the vacuum. Also clamp rails prepared for solid woods, non smooth materials.



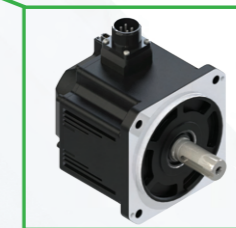
COOLANT

For your soft metal cutting needs like aluminium.



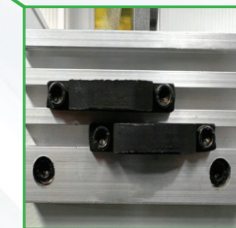
HIWIN GUIDE RAILS

Hiwin 30HG trapezoidal rails designed for 6 ton kinetic loads. 8 times more than gantry weight to keep squariness for years to come.



FULL SERVO MOTORS

For speed and accuracy there are no better solution.



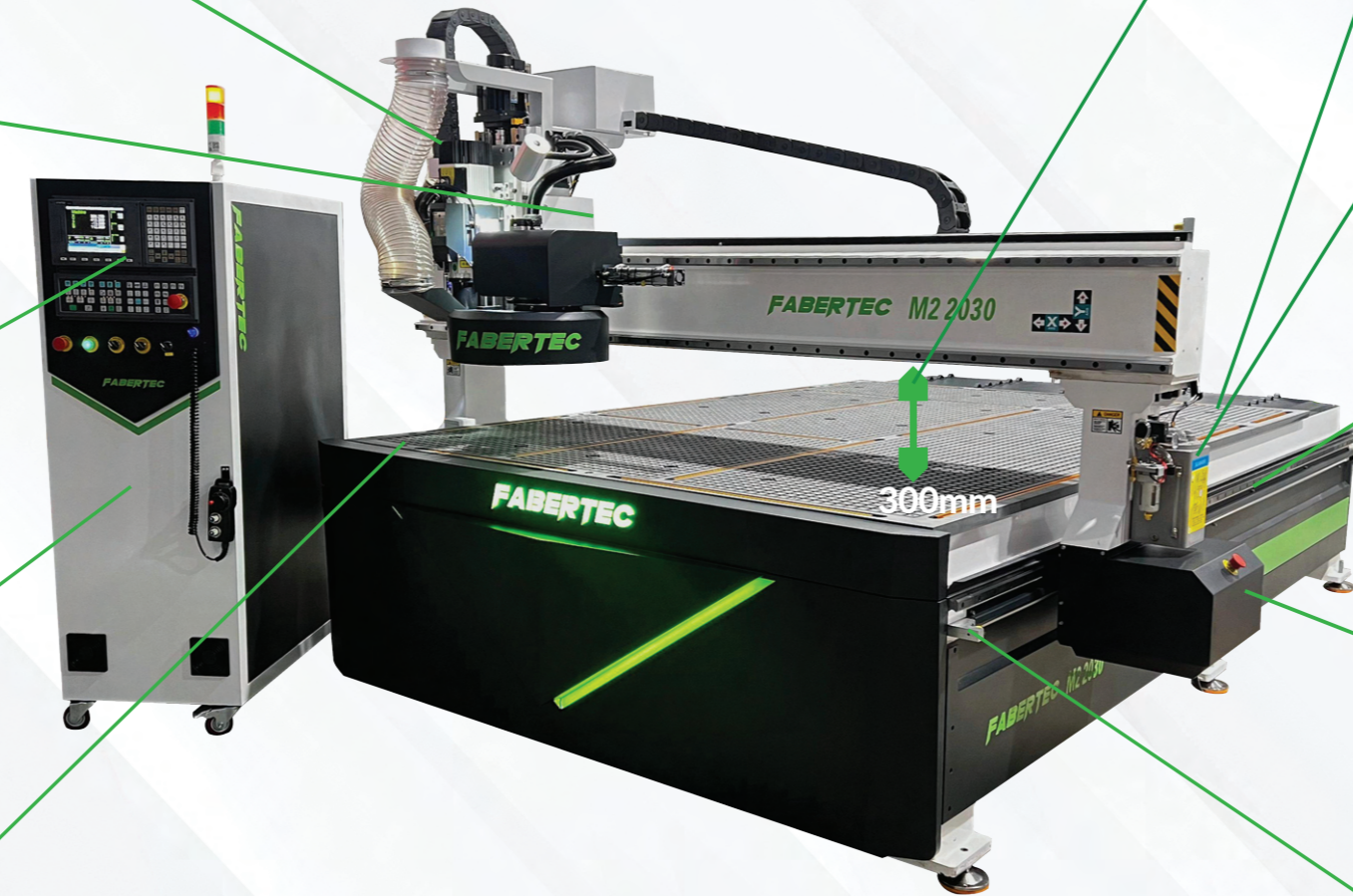
END OF AXIS SENSORS

As a extra safety we install sensors to prevent CNC hitting end buffers in case of operator error.



DUST EXTRACTOR 5.5kW

Always in set powerful double bag dust extractor. So you can start processing from day one





With every FABERTEC M2 CNC ROUTER we are supplying you a variety of routing and moulding bits, collets for different diameters, tool chucks, clamps, wrenches and spares. We believe you should start your adventure with new cnc router from day one with everything you may need to start your projects.

FABERTEC M2 CNC LATEST INSTALLATIONS

24 MONTHS WARRANTY

- Parts and labour warranty on site included
- Vcarve Pro CAD/CAM software included free of charge with FABERTEC post processor
- 12 Months warranty for Vacuum Pump.
- Maintenance after 12 months required for a second-year warranty at £600 + travel time (£80/h) + Fuel surcharge (£0.90/m).
- Option to extend to 3 years for £2,800 + vat (M2 1325 model) and mandatory annual service inspection.

DELIVERY

- Free delivery on curtain side lorry upto 150 miles
- Distances exceeding 150 miles incur charges
- Client need forklift to unload and position

MODEL 2030 DUE TO MACHINE SIZE CAN ONLY BE DELIVERED BY HIAB

- Free hiab delivery up to 30 miles only
- Up to 50 miles extra £150+ vat
- Up to 100 miles £485+ vat
- Upto 150 miles £600+ vat
- Up to 200 miles extra £1000+vat

Each delivery will be priced individually according to the Client's final destination

TECHNICAL SPECIFICATION

- | | | |
|---|---|--|
| — Working Surface 1300mm x 2500mm (1550x3080 and 2070x3080 available) | — Software Resolution: 0,01mm | — Vacuum Pump: 7.5kW Air Cooled |
| — Max Working Height: Axis Z 300mm | — Positioning Accuracy: Physical 0,05mm | — Software: Vcarve Pro included |
| — Motors: Full Servo Motors with Feedback Loop | — Spindle: 9kW Air Cooled | — Weight: 1.7ton (1530 - 2.2t, 2030 - 2.7t) |
| — Runners: HIWIN 30 Heavy Duty (designed for 6ton kinetic load) | — Spindle RPM: Up to 24000rpm | — Power Supply Needed: 415v 3 Phase 32amp also Type D 32amp Breaker needed |
| — Speed: 45 meters / minute | — Spindle tool diameter: ER32 1-21mm diameter | — 12 tools available |
| | — Router Bed: Always as standard vacuum bed with T-slots for clamping | |



For latest installations visit our website www.fabertec.co.uk



**PROUDLY A
BRITISH BRAND**

COMPARISON BETWEEN FABERTEC M2 AND M1

FABERTEC M2 CNC	FABERTEC M1 CNC
9kW HQD Air Cooled Spindle 24000rpm with ATC and 11kW Delta inverter	6kW HQD Air Cooled Spindle for regular models, 9kW HQD Air Cooled Spindle 24000rpm for ATC models and 11kW Delta Inverter
As standard 12 tools revolver storage with servo motor	1 tool or with ATC option 8 tool storage
Syntec industrial controller with large display, analog wheel to control machine and network connection	Weihong NK105G3 handheld controller
5.5kW double bag extractor supplied	3kW double bag extractor supplied
M2 30mm HG Hiwin runners up to 6 ton kinetic load.	M1 25mm hiwin runners up to 3ton kinetic load
M2 tool storage on carousel by spindle. Much quicker tool changing operation (saving up to 45-60min per 10h shift) and open bed at the end – allows for example to plane 4 meter long oak table by shifting it to the back of the table.	M1 ATC tools position at the end of the table not allowing to process longer elements than table size

Foot pedals for engaging positioning bolts.

M2 is built on the same thick, heavy bed and gantry structure as the M1

WORKSHOP SPACE REQUIREMENTS AND CONNECTIONS

- 1 3 phase 5 pin 415v socket with Type D 32amp Breaker back or left side of the machine
- 1 ¼ PCL female connection back of the machine with compressed air.
- Air compressor. Min 8 bar pressure, 16CFM (cubic feet per minute), 200 litres tank. Ideally screw compressors. Roughly a min of 4-5kW compressor should suffice.
- For the space around the machine right side of the table is ideal to load boards and push them against positioning pins. Back and left side of machine can be against the wall.
- Allow some space around the machine. Approx 200-300mm should be a safe gap for access, extraction flue travel. Vacuum pump needs from approx. 600x600 to 2000x1000 dependant on the pump.
- Control box is on 3m long cables and castors. Ideal position aside of left side of the machine.

CNC MACHINES FROM PEOPLE WHO WERE IN YOUR SHOES

Welcome to Fabertec Group UK, a premier manufacturer of advanced CNC machines based in the United Kingdom. Our cutting-edge technology and craftsmanship make us a top industry brand.



AFFORDABLE PRICING WITHOUT COMPROMISE

Our commitment to user-friendliness sets us apart from the competition. We believe that operating CNC machines should not be limited to highly skilled professionals alone. That's why Charles has meticulously engineered our machines to be incredibly intuitive, to the point where even an apprentice teenager can confidently operate them with just two hours of training. Our emphasis on simplicity and efficiency ensures that our clients can maximize productivity and achieve outstanding results, regardless of their level of expertise.

While our machines come with budget-friendly pricing, we do not compromise on quality or performance. In fact, we design our CNC machines to rival those offered by renowned brands that charge upwards of £100,000. We believe that superior technology and exceptional craftsmanship should be accessible to all, without breaking the bank. By providing top-of-the-line machines at competitive prices, we have created a winning formula that resonates with our clients, making us the preferred choice in the market.

FABERTECTM **GROUP UK**

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