

The Exel CNC M5A CNC Router is a heavy-duty automatic tool change machine designed for demanding production environments. Combining a rigid steel frame, servo-driven motion system and a powerful 9kW ATC spindle, the M5A delivers reliable high-speed machining across a wide range of materials.

Model	Working Area	Price
MIS	1300 x 1300mm	£15,995
MIS	1220 x 2440mm	£19,995
MIS	1500 x 3000mm	£20,895
MIS	2000 x 3000mm	£23,195
MIS	3000 x 4000mm	£25,495



Why Choose the M5A?

- Powerful 9kW automatic tool change spindle
- 6-station ATC reduces downtime
- Servo-driven motion system for smooth accuracy
- Heavy-duty steel frame for long-term stability
- Integrated vacuum bed with T-slots for secure workholding
- UK-specified build focused on reliability and performance

Optional Upgrades (Prices ex VAT)

Upgrade	Price
7.5kW water-cooled spindle (includes chiller)	Swap
Upgraded 3kW fine filter cyclone extractor	£615
Light curtain guarding	£920
Oscillating knife + print-to-cut camera	£2,900
Raised gantry 300mm + extended Z-axis travel	£375
Extra ATC tool pot position + balanced tool holder	£180
Single phase 220V power option	£500
Vetric software (various packages available)	POA

TYPICAL APPLICATIONS:

- Furniture and cabinetry
- Kitchen manufacturing
- Signage and display production
- Plastic fabrication
- Shopfitting and retail display
- Composite machining
- Laminates and panel processing
- Aerospace components
- Medical and orthotics
- Musical instruments

SUITABLE MATERIALS

- MDF
- Plywood
- Hardwood & softwood
- Acrylic (PMMA)
- PVC & foam PVC
- Engineering plastics
- Laminates
- Aluminium composite (ACM / Dibond)
- Corian & solid surface materials

Machine & Performance

- Construction: Heavy-duty steel frame and gantry
- Maximum rapid speed: 40 m/min
- Maximum cutting speed: 20 m/min
- Positioning accuracy: ± 0.025 mm
- Z-axis drive: Taiwan ballscrew

Control & Motion

- Motion system: Servo-driven
- Control system: XDW ATC handheld controller with 4.3" colour screen
- Motors: 750W servo motors

Linear guides:

- 25 mm square linear rails (Y axis)
- 20 mm rails (X and Z axes)
- X/Y drive system: Helical rack with gear reducer
- Data transfer: USB

Spindle & Tooling

- Spindle: 9kW air-cooled ATC spindle
- Spindle speed: Up to 24,000 RPM
- Collet type: ER32
- Tool changer: 6-position automatic tool changer rack
- Tool holders included: 6 \times ISO30 holders
- Spindle inverter: Delta drive
- Brake resistor: Included
- Auto tool height sensor: Included (fixed position)

Electrical & Installation

- Power supply: 3-phase 380V $\pm 10\%$
- Total power requirement: 24kW
- Levelling: 6 \times heavy-duty self-levelling feet
- Side console: Included, housing electrical components

Vacuum, Dust & Coolant

- Vacuum bed: Integrated vacuum bed with T-slots
- Vacuum pump: 7.5kW side channel vacuum pump
- Vacuum pump filter: Included
- Vacuum bed & dust control: Located on side console
- Dust extractor: 3HP twin-bag extractor
- Dust foot: Automatic rise and fall
- Mist coolant system: Included
- Lubrication system: Automatic oiling system

What's included

- 9kW ATC spindle with Delta inverter
- 6-position automatic tool changer
- 6 \times ISO30 tool holders
- Integrated vacuum bed with T-slots
- 7.5kW side channel vacuum pump
- 3HP twin-bag dust extractor
- Automatic lubrication system
- Mist coolant system
- Auto tool height sensor
- XDW handheld controller with 4.3" screen

Software & Warranty

Software: Ucam VII included

Warranty: 2 Year as standard

SCAN HERE



All prices exclude VAT. Prices correct at time of publication and may vary depending on specification.