

The Exel CNC M1A is a heavy-duty automatic tool changer CNC router built for industrial production. Featuring a rigid steel frame, 850W servo-driven motion system and a powerful 9kW ISO30 spindle, it delivers fast, accurate and reliable cutting across wood, plastics, composites and non-ferrous metals. Available in four bed sizes, the M1A is designed for high-throughput nesting and demanding daily workloads.

Model	Working Area	Price
M1A	1300 x 2500mm	£21,995
M1A	1500 x 3000mm	£24,895
M1A	2000 x 3000mm	£27,195
M1A	2000 x 4000mm	£29,495

Why Choose the M1A?

- Heavy-duty welded steel frame with cast Z-axis
- 9kW ISO30 automatic tool change spindle
- Rapid speeds up to 60m/min
- 850W servo motors for precision motion control
- Fully specified as standard, no hidden extras
- Built for industrial production environments



Optional Upgrades (Prices ex VAT)

Upgrade	Price
7.5kW water-cooled Spindle (includes chiller)	£0 (swap)
Upgraded 3kW fine filter cyclone extractor	£615
Light curtain guarding	£920
Oscillating knife + print-to-cut camera	£2,900
PC controller (requires customer PC)	£0
Raised gantry (300mm) + extended Z travel	£375
Extra ATC tool pot + balanced tool holder	£180
1-Phase 220V option	£500
Vetric software	POR

TYPICAL APPLICATIONS:

- Kitchen & cabinet manufacturing
- Furniture production
- Signage & display fabrication
- Staircase components
- Plastic fabrication
- Composite & aerospace components
- Musical instruments
- Medical & orthotic components

SUITABLE MATERIALS

- MDF & plywood
- Solid wood & hardwoods
- Laminates & veneered boards
- Acrylic & plastics
- Foamex & PVC
- Dibond & aluminium composite
- Aluminium & non-ferrous metals
- Composite panels



Machine & Performance

- Working Area (X × Y × Z): 1300 × 2500 × 180mm
- Machine Dimensions (L × W × H): 3400 × 2300 × 1900mm
- Weight: 2000kg
- Construction: Heavy-duty steel frame, cast Z-axis
- Max Rapid Speed: 60m/min
- Max Cutting Speed: 20m/min
- Positioning Accuracy: ±0.025mm

Motion System

- Motors: 850W Servo Motors
- X/Y Drive: Precision Helical Rack
- Z Drive: TBI Ballscrew
- Linear Guides: 25mm Linear Square Rails

Spindle & Tooling

- Spindle: 9kW Air-Cooled, 24,000rpm, ISO30 ER32
- Tool Changer: 6-Position ATC Rack
- Spindle Inverter: Delta MS Drive
- Spindle Brake Resistor: Yes (2-second stop)
- Auto Tool Height Sensor: Fixed & Floating (Z0)

Bed & Workholding

- Vacuum Bed: Integrated T-Slot Vacuum Bed
- Vacuum Pump: 7.5kW Side Channel
- Vacuum Pump Filter: Included
- Pop-Up Location Pins: Pneumatic

Control System

- Controller: Industrial 4.3" Handheld Colour Screen
- Software: UCanCam
- Data Transfer: USB

Cooling & Extraction

- Mist Coolant System: Included (Aluminium / Non-Ferrous)
- Dust Foot: Auto Rise & Fall
- Dust Extraction: Twin Bag Extractor
- Lubrication: Automatic Lubrication System

Utilities

- Power Supply: 380V ±10%, 3-Phase, 28kW
- Air Supply: Required
- Levelling: Rubber-Damped Levelling Feet

Warranty

- 2 year parts and labour warranty

What's Included

- MIA heavy-duty CNC router
- 9kW ISO30 spindle
- 6-Position ATC Rack
- 850W servo motors
- 25mm linear rail system
- Integrated vacuum bed with T-slots
- 7.5kW vacuum pump with filter
- Pneumatic pop-up location pins
- Mist coolant system
- Automatic lubrication
- Auto rise/fall dust foot
- Twin bag dust extractor
- UCanCam software

SCAN HERE



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