

### Industrial Performance. Exceptional Value.

The Exel CNC MIS is a servo-driven production CNC router built for fast, accurate cutting across plastics, wood and composites. With a heavy-duty steel frame, cast gantry, 4.5kW spindle and vacuum bed, it delivers reliable everyday industrial machining.

Model	Working Area	Price
MIS	1300 x 2500mm	£16,995
MIS	1500 x 3000mm	£19,895
MIS	2000 x 3000mm	£22,195
MIS	3000 x 4000mm	£24,495



### Why Choose the MIS?

- Heavy-duty steel machine structure
- Cast gantry for rigidity
- 4.5kW high-speed spindle
- Servo-driven motion system
- High-flow vacuum bed with T-slots
- Fast rapid speeds up to 60m/min

### Optional Upgrades (Prices ex VAT)

Upgrade	Price
5.5kW water-cooled Spindle (includes chiller)	swap
Upgraded 3kW fine filter cyclone dust extractor	£615
Light curtain guarding	£920
Oscillating knife + print-to-cut camera	£2,900
PC controller (requires customer PC)	£0
Raised gantry height (300mm) with extended Z travel	£375
Pop-up location pins	£340

### TYPICAL APPLICATIONS:

- Plastic fabrication
- Furniture, kitchens & cabinetry
- Signage & advertising
- Stair components & joinery
- Composite & aerospace materials
- Musical instrument
- Laminates & sheet materials
- Medical & orthotic components

### SUITABLE MATERIALS

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

### Machine & Performance

- Working area: 1300 × 2500mm
- Machine dimensions (L × W × H): 3400 × 2200 × 1900mm
- Machine weight: 1800kg
- Construction: Heavy-duty steel frame with cast gantry
- Maximum rapid speed: 60m/min
- Maximum cutting speed: 20m/min
- Positioning accuracy: ±0.025mm (0.001")

### Motion & Drive System

- Drive motors: 850W servo motors
- Linear guides: 25mm linear square rail
- X/Y drive system: German helical rack with gear reducer
- Z drive system: Precision ballscrew (Taiwan)
- Controller: Industrial handheld controller with 4.3" colour screen
- Data transfer: USB

### Spindle System

- Spindle: 4.5kW air-cooled spindle
- Maximum spindle speed: 24,000rpm
- Collet type: ER32
- Spindle inverter: Delta drive
- Spindle brake resistor: Included

### Work holding & Extraction

- Vacuum bed: High-flow vacuum bed with integrated T-slots
- Vacuum pump: 7.5kW side channel pump with filter
- Dust extraction: 3hp twin bag extractor
- Dust foot: Auto rise / fall dust extraction hood

### Machine Features

- Tool height sensor: Automatic tool setting probe
- Mist cooling system: Included
- Lubrication: Automatic oiling system
- Vacuum & dust controls: Side console mounted switches
- Levelling: Self-levelling adjustable feet

### Power Requirements

- Power supply: 3 phase, 400V, 19.4kW
- Air supply: Required for mist coolant system

### Warranty

- 1 year parts and labour warranty

### What's Included

- MIS CNC router with heavy-duty steel frame and cast gantry
- 4.5kW air-cooled spindle (24,000rpm, ER32)
- 850W servo drive motors
- High-flow vacuum bed with integrated T-slots
- 7.5kW side channel vacuum pump with filter
- 3hp twin bag dust extractor
- UCanCam CAD/CAM software

SCAN HERE



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