

The Exel CNC A1A is a heavy-duty automatic tool change CNC router built for fast, accurate production. Designed for professional workshops, it combines a rigid steel frame, 4.5kW ATC spindle and hybrid servo motors to deliver reliable performance across wood, plastics and non-ferrous materials.

Model	Working Area	Spindle	Price
A1A	1300 x 2500mm	4.5kW ATC	£13,995
A1A	1500 x 3000mm	4.5kW ATC	£16,895
A1A	2000 x 3000mm	4.5kW ATC	£19,195



### Why Choose the A1A?

- Heavy-duty steel frame and gantry
- 4.5kW air-cooled ATC spindle (24,000rpm, ER32)
- 4 tool automatic tool change system
- Leadshine hybrid servo motors
- Integrated vacuum bed with T-slots
- 5.5kW side channel vacuum pump included
- Automatic lubrication system
- Dual tool height sensing
- Excellent value professional ATC system

### Optional Upgrades (Prices ex VAT)

Upgrade	Price
Additional tool pot + ISO30 holder	£160
Fine filter cyclone dust extractor	£615
Single-phase 240V power option	£500
Pop-up location pins	£340
300mm gantry height upgrade	£375
Upgrade to 7.5kW vacuum pump	£350
Upgrade to 9kW air-cooled ATC spindle	£850
Light curtain guarding	£940

### TYPICAL APPLICATIONS:

- Cabinet making & joinery
- Furniture production
- Sign making & engraving
- Panel processing & nesting
- Plastic fabrication
- Composite machining
- Prototyping & batch production
- Light aluminium machining

### SUITABLE MATERIALS

- MDF
- Plywood
- Solid wood
- Melamine-faced board
- Acrylic
- PVC
- HDPE
- Composite panels
- Foam board
- Aluminium (light machining)

### Machine & Performance

- Working area (X × Y × Z): 1300mm × 2500mm × 200mm
- Accuracy: ±0.05mm (0.002")
- Max rapid speed: 25m/min
- Max cutting speed: 15m/min
- Overall dimensions (L × W × H): 3400mm × 2200mm × 1900mm
- Weight: 1400kg
- Construction: Steel frame, steel gantry
- Levelling: 6 × self-levelling heavy-duty feet

### Drive & Motion System

- Control system: XDW 4.3" colour screen ATC handheld
- Data transfer: USB
- Linear guides: 20mm linear square rails on X/Y/Z
- X/Y drive system: Helical rack with gear reducer
- Z drive system: Ballscrew (Taiwan)
- Motors: Leadshine hybrid servo motors

### Spindle & Tool Change

- Spindle: 4.5kW air-cooled ATC, 24,000rpm, ER32
- ATC rack: 4 tool automatic tool change rack
- Spindle tooling: 4 × ISO30 Italian holders included
- Spindle inverter: Delta drive
- Spindle brake resistor: Included
- Auto tool height sensor: Fixed position & Z0 sensor

### Vacuum & Extraction

- Vacuum bed: Integrated vacuum bed with T-slots
- Vacuum pump: 5.5kW side channel
- Vacuum pump filter: Included
- Vacuum & dust on/off: Side console mounted
- Dust extractor: 3hp twin bag extractor
- Dust foot: Auto rise/fall

### Electrical & Installation

- Power supply: 3 phase, 380V +10%, 14kW
- Side console: Included, houses electrics

### Warranty

- 1 year parts and labour warranty

### What's Included

- A1A CNC router machine
- 4.5kW air-cooled ATC spindle
- 4 tool ATC rack
- 4 × ISO30 tool holders
- 5.5kW vacuum pump with filter
- 3hp twin bag dust extractor
- Automatic lubrication system
- Tool height sensing system
- XDW handheld controller
- UCanCAM software

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