SWISS CNC

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2022

UK STOCK



CNC MACHINING CENTRE

BROTHER SPEEDIO

U500X d1

4+1 INDEXED | **16,000 RPM** | **28 TOOLS**

Price on application + VAT

Finance options available, subject to status and approval.

01952 482 452

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Machine overview

2022 Brother SPEEDIO U500Xd1 compact 4+1 indexed machining centre with 16,000 rpm BIG-PLUS BT30 spindle, 28-tool ATC and FSE swarf and coolant management.

Year of manufacture	2022
Manufacturer	Brother
Machine type	Machining Centres
Listing status	Available
Location	United Kingdom
Photograph gallery	6 website photographs

Machine highlights

- 4+1 indexed five-axis machining
- 500 × 400 × 300 mm travels
- 16,000 rpm BIG-PLUS BT30 spindle
- 28-tool automatic tool changer
- Integrated A/C tilting rotary table
- FSE coolant and swarf management
- Approximately 5,290 power-on hours
- Brother CNC-D00 control

Full machine details

Overview

A compact, high-speed universal machining centre configured for 4+1 indexed multi-face machining. This 2022 Brother SPEEDIO U500Xd1 combines 500 × 400 × 300 mm linear travels with an integrated A/C-axis tilting rotary table, 16,000 rpm BIG-PLUS BT30 spindle and 28-tool automatic tool changer.

The machine plate confirms manufacture in September 2022, Brother CNC-D00 control, 16,000 rpm maximum spindle speed and a machine-only weight of 2,650 kg. The supplied time-display photograph shows approximately 5,290 power-on hours, 5,847 total operating hours and 5,846 operation hours.

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

Machining Capability

The U500Xd1 uses five controlled axes - X, Y, Z, A and C - for positioning and 4+1 indexed machining. It is not the U500Xd1-5AX simultaneous five-axis variant. The tilting rotary table provides A-axis travel from +120 to -30 and continuous 360 C-axis positioning, allowing multiple faces of a component to be machined in one setup.

Technical Specification

X-axis travel	500 mm
Y-axis travel	400 mm
Z-axis travel	300 mm
A-axis travel	+120 to -30
C-axis travel	360
Distance from table surface to spindle nose	145-445 mm
Rotary table working surface	Ø260 mm
Maximum uniformly distributed table load	100 kg
Maximum fixture envelope	approximately Ø500 mm, subject to fixture and workpiece geometry
Spindle speed	1-16,000 rpm
Spindle taper	BIG-PLUS dual-contact BT30
Spindle motor	7.4 kW 10-minute rating / 5.1 kW continuous
Maximum tapping speed	6,000 rpm
Rapid traverse X/Y/Z	50 / 50 / 56 m/min
Maximum cutting feed	30,000 mm/min
A/C-axis indexing speeds	50 / 75 rpm
CNC control	Brother CNC-D00 with 15-inch colour touchscreen

Tooling and Production Capability

- 28-position automatic tool changer
- MAS-BT30 tool shank system

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

Maximum tool length	250 mm
Maximum tool diameter	110 mm
Maximum standard individual tool weight	3 kg

| Random shortest-path tool selection

Tool-to-tool change time	approximately 0.7 seconds
Chip-to-chip time	approximately 1.3 seconds

| 4+1 indexed machining across X, Y, Z, A and C axes

Included Equipment

| FSE swarf and coolant-management system

| NOP coolant pumps

| BIG-PLUS dual-contact spindle

| Integrated A/C-axis tilting rotary table

| 28-tool automatic tool changer

| Swarf conveyor

Machine Dimensions

Approximate machine-only footprint	1,560 × 2,026 mm
Approximate machine height	2,748 mm
Machine-only weight	approximately 2,650 kg
Electrical supply	AC 200-230 V, three phase, 50/60 Hz
Continuous electrical capacity	9.5 kVA

Hours and Availability

Available immediately in the United Kingdom. The supplied control photograph shows approximately 5,289 hours 50 minutes power-on time, 5,846 hours 36 minutes operation time and 5,847 hours 14 minutes total operating time. These readings should be reconfirmed during inspection.

Price and Support

£POA + VAT (Finance Options). Swiss CNC can assist with inspection, delivery, installation, commissioning, training and ongoing technical support.

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

Contact Swiss CNC for further information, inspection arrangements or a formal quotation.

Technical specification

Specification	Details
Year	2022 (machine plate dated 2022-09)
Machine type	Universal compact machining centre, 4+1 indexed
CNC control	Brother CNC-D00 with 15-inch touchscreen
Travels X / Y / Z	500 / 400 / 300 mm
Rotary axes	A: +120 to -30; C: 360
Rotary table	Ø260 mm working surface; Ø500 mm maximum fixture envelope
Maximum table load	100 kg, uniformly distributed
Spindle	1-16,000 rpm, BIG-PLUS BT30
Spindle motor	7.4 kW 10-minute / 5.1 kW continuous
Automatic tool changer	28 tools
Tool-change time	0.7 sec tool-to-tool; 1.3 sec chip-to-chip
Rapid traverse X / Y / Z	50 / 50 / 56 m/min
Coolant and swarf management	FSE system with NOP pumps and swarf conveyor
Power-on time shown	Approximately 5,289 hours 50 minutes
Total operating time shown	Approximately 5,847 hours 14 minutes
Machine-only footprint	Approximately 1,560 × 2,026 mm
Machine height	Approximately 2,748 mm
Machine-only weight	Approximately 2,650 kg
Availability	Immediately

Inspection and supply scope: Confirm displayed hours, machine accuracy, installed tooling and workholding, coolant specification, service history and final supply scope during inspection.

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

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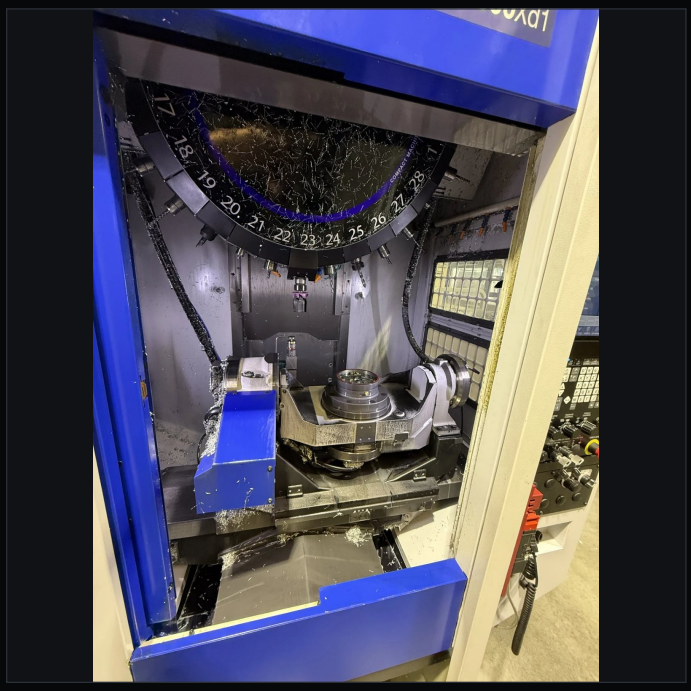
24 November 2026

ACTUAL LISTING PHOTOGRAPHS

Machine gallery



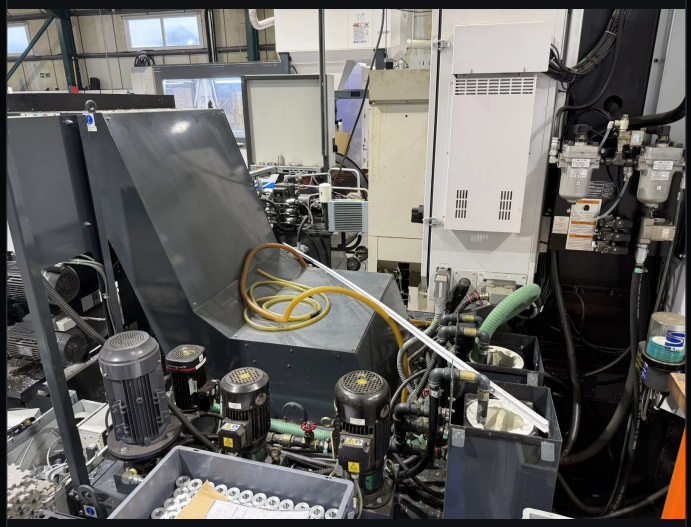
2022 Brother SPEEDIO U500Xd1 CNC machining centre



Brother U500Xd1 machining area, 28-tool magazine and tilting rotary table



Rear equipment and FSE swarf-management system on the Brother U500Xd1



Coolant tanks, NOP pumps and FSE management equipment

ORIGINAL MACHINE APPEARANCE / WEBSITE IMAGERY

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

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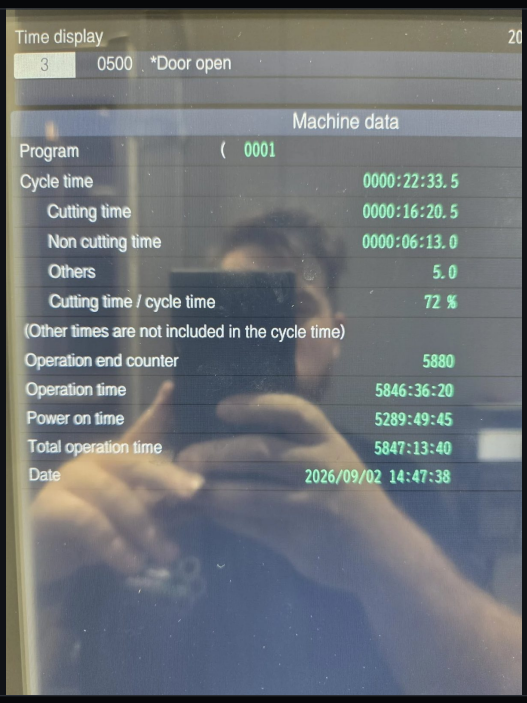
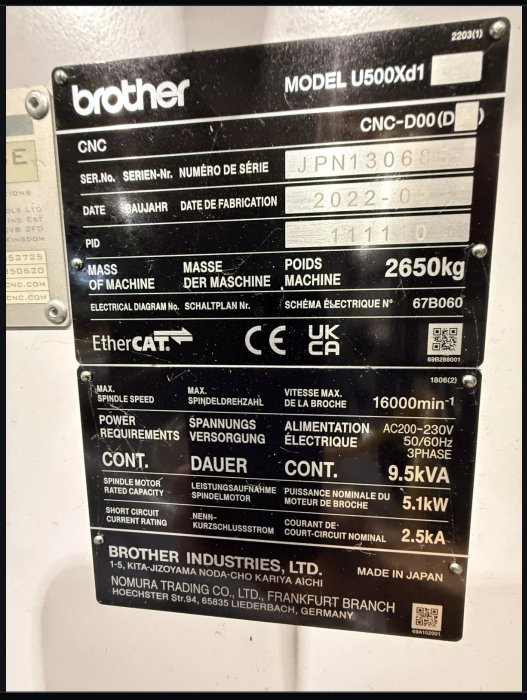
ACTUAL LISTING PHOTOGRAPHS

Machine gallery



Brother U500Xd1 time display showing operating and power-on hours



Brother U500Xd1 identification plate showing 2022 build and 16,000 rpm spindle

ORIGINAL MACHINE APPEARANCE / WEBSITE IMAGERY

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ENQUIRE / INSPECT / PLAN YOUR NEXT STEP

LET'S DISCUSS THIS MACHINE.

2022 Brother SPEEDIO U500Xd1

USED MACHINES. EXPERT ADVICE. COMPLETE SUPPORT.

Machine inspection, application discussions, delivery, installation, training and ongoing technical support can be discussed to suit your production requirements.

SPEAK TO SWISS CNC

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Scan for the live listing

Price on application + VAT

Finance options available, subject to status and approval.

WhatsApp this machine

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Specifications, factory ratings, options and included equipment reflect the website listing. Verify installed configuration, condition, hours, availability and final supply scope with Swiss CNC before purchase.