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Precision / Performance / Partnerships

2021

UK STOCK



CNC TURNING CENTRE

CITIZEN MIYANO / REF 098

ABX 51 SYY2

51 MM

TWIN Y AXIS

FANUC 31I-B

Price on application + VAT

Finance options available, subject to status and approval.

01952 482 452

www.swisscnc.co.uk

Machine overview

51 mm twin-spindle CNC turning centre with twin Y-axis turrets, Fanuc 31i-B control, Hainbuch SK65 workholding and an ALPS oil-type magazine bar feeder.

Year of manufacture	2021
Manufacturer	Citizen Miyano
Machine type	Multi-Axis Lathes
Listing status	Available
Location	United Kingdom
Photograph gallery	28 website photographs

Machine highlights

- 51 mm bar capacity
- Twin spindle
- Twin 12-station turrets
- Y-axis capability
- Fanuc 31i-B control

Full machine details

Technical Specification & Machine Details

Citizen Miyano ABX 51 SYY2 Twin-Spindle CNC Turning Centre.

Precision Engineering Without Compromise. The Citizen Miyano ABX 51 SYY2 represents one of the most capable twin-spindle fixed-head CNC turning centres available for high-volume precision manufacturing. Combining Japanese-built reliability, an exceptionally rigid machine platform and advanced multi-axis machining capability, the ABX is engineered to reduce cycle times while maintaining exceptional accuracy, repeatability and reliability.

Manufactured around a 12-ton one-piece Meehanite casting with precision hand-scraped box guideways, the ABX delivers outstanding damping characteristics, thermal stability and cutting performance. This robust construction allows heavy-duty roughing and precision finishing operations to be completed on a single platform while maintaining micron-level accuracy over extended production runs.

Designed for complete one-hit machining, the machine combines twin opposed spindles, twin Y-axis turrets, advanced live tooling and simultaneous machining technology, making it ideal for complex components where productivity is

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

critical.

Key Selling Points

| Premium Japanese-built Citizen Miyano machine
| 51mm bar capacity
| Twin opposed spindles
| Twin 12-station turrets
| Twin ±40mm Y-axis
| Up to 48 tooling positions (4 tools per station)
| Fanuc 31i-B CNC Control
| 12-ton one-piece machine casting
| Hand-scraped box guideways
| Thermal Compensation System
| High-speed driven tooling
| Rigid tapping
| Programmable robotic parts unloader
| Hainbuch SK65 quick-change workholding
| ALPS TOOL ASR RX51Ev Oil Type Bar Feeder
| Citizen Miyano OEM swarf conveyor

Machine Construction

| 12-ton one-piece Meehanite casting
| Precision hand-scraped hardened box guideways
| Heavy-duty machine structure for superior vibration damping
| Excellent thermal stability for long production runs
| High rigidity spindle design for difficult materials

Spindle Configuration

| Twin opposed spindles
| 51mm maximum bar capacity
| Main spindle fitted with Hainbuch SK65 quick-change workholding
| Sub spindle equipped with standard DIN collet system
| Simultaneous front and back machining
| Complete one-hit machining capability
| High positional accuracy during component transfer

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Turret & Tooling

| Twin 12-station turrets
| Twin ±40mm Y-axis
| Up to 4 tools per station
| Up to 48 tooling positions
| High-speed driven tooling
| Static & driven tooling capability
| Rigid tapping
| Milling
| Cross drilling
| Off-centre machining
| Polygon machining capability (Fanuc option)
| Complex simultaneous machining

CNC Control

Fanuc 31i-B

Features include:

| Multi-channel simultaneous machining
| Program Retrace
| Custom Macro B
| Rigid tapping
| Constant surface speed
| Tool life management
| Graphic display
| Program protection
| Self-diagnostics
| Tool wear compensation
| Absolute position feedback
| High-speed processing

Included Equipment

This machine is supplied with an impressive factory specification including:

| Hainbuch SK65 quick-change workholding system
| Standard DIN collet system (Sub Spindle)

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- Citizen Miyano OEM swarf conveyor
- Medium high-pressure coolant system
- Programmable robotic parts unloader
- Tool setting probes
- Program Retrace
- Large selection of static tool holders
- Large selection of driven tool holders
- ALPS TOOL ASR RX51Ev Oil Type Bar Feeder

ALPS TOOL ASR RX51Ev Oil Type Bar Feeder

The machine is equipped with the latest ALPS TOOL ASR RX51Ev, designed specifically for larger diameter, high-performance turning applications.

Features

- Servo-controlled bar feeding
- Oil-supported guide system
- Multi-hybrid vibration suppression
- Double Feed Rod technology
- High-speed stable bar support
- Finger chuck quick change system
- Top & centre steady rests fitted as standard
- Extremely quiet operation

Specification

Bar capacity	Ø8-Ø51mm
Bar lengths	2.5m / 3.0m / 4.0m
Feed speed	

- Forward 350mm/sec
- Return 700mm/sec
- Maximum feed force 400N
- Oil capacity up to 70 litres
- Servo drive system

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Performance Advantages

The ABX has been developed to maximise spindle utilisation while reducing non-cutting time.

Benefits include:

- Simultaneous machining on both spindles
- Reduced cycle times
- One-hit component manufacture
- Improved dimensional accuracy
- Reduced work handling
- Increased spindle utilisation
- Lower labour costs
- Reduced setup time
- Excellent chip evacuation
- Outstanding thermal stability
- Exceptional surface finish
- Heavy-duty interrupted cutting capability

The combination of the 12-ton casting, box guideways, thermal compensation, Hainbuch workholding and ALPS oil bar feeder results in an exceptionally stable machining platform capable of maintaining extremely tight tolerances throughout long production runs.

Typical Applications

Ideal for manufacturing:

- Aerospace components
- Automotive components
- Oil & Gas components
- Medical implants & instruments
- Hydraulic fittings
- Hydraulic manifolds

Precision engineering components

Valve bodies

- Complex turned & milled components

High-volume subcontract machining

Why Buy This Machine?

The Citizen Miyano ABX 51 SYY2 offers everything expected from a premium Japanese twin-spindle turning centre:

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- Exceptional rigidity from a 12-ton machine platform
- Maximum productivity through simultaneous machining
- Outstanding reliability from proven Citizen Miyano engineering
- Reduced setup times with Hainbuch quick-change workholding
- Stable high-speed bar feeding via the ALPS TOOL RX51Ev oil bar feeder
- Excellent tooling package included
- Ready for immediate production
- Ideal for lights-out and automated manufacturing

Whether you're producing complex aerospace components, hydraulic fittings, medical parts or high-value precision turned components, the Citizen Miyano ABX 51 SYY2 delivers the performance, reliability and productivity expected from one of the industry's leading fixed-head CNC turning centres.

Delivery, Installation & Training

- Delivery throughout the UK & Europe
- Professional installation & commissioning
- Operator training available
- Ongoing technical support
- Finance options available (subject to status)

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MACHINE SALES BROCHURE

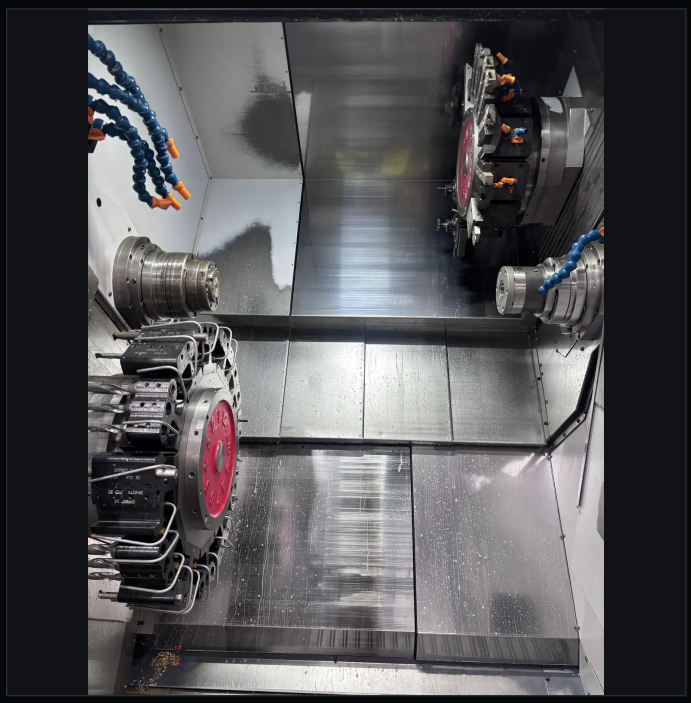
24 November 2026

ACTUAL LISTING PHOTOGRAPHS

Machine gallery



Website photograph 01



Website photograph 02



Website photograph 03



Website photograph 04

ORIGINAL MACHINE APPEARANCE / WEBSITE IMAGERY

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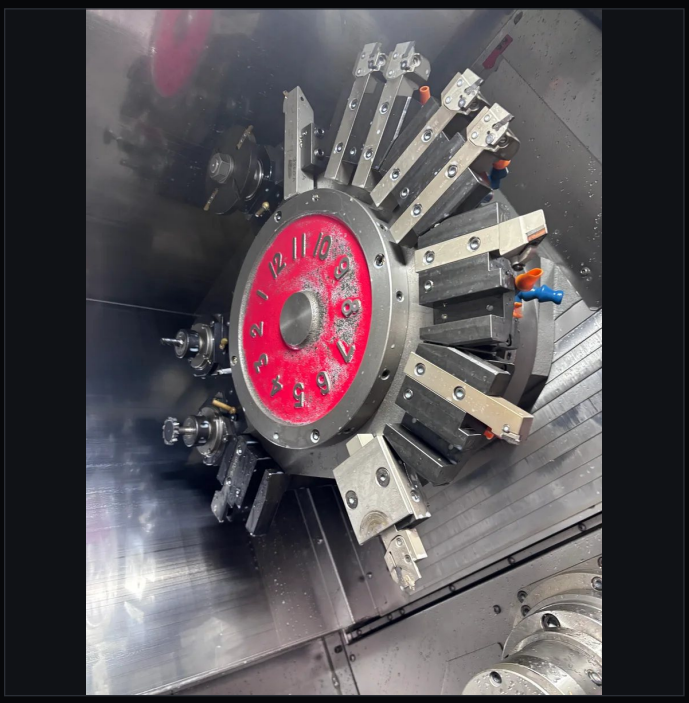
ACTUAL LISTING PHOTOGRAPHS

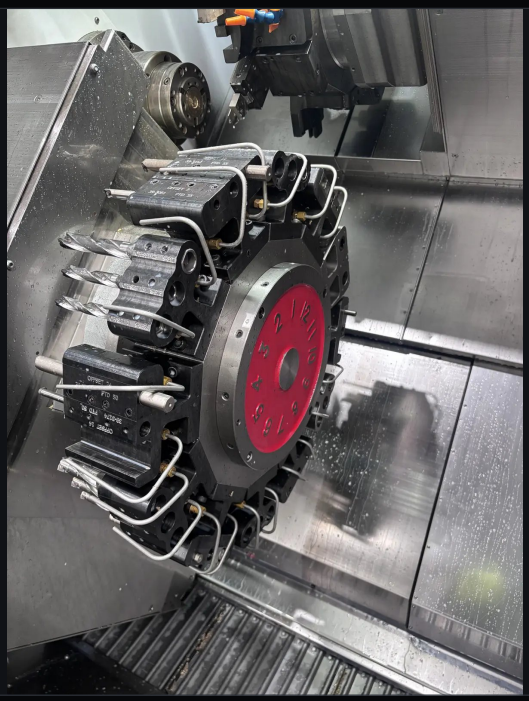
Machine gallery



Website photograph 05



Website photograph 06



Website photograph 07



Website photograph 08

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Machine gallery

09-12 / 28



Website photograph 09



Website photograph 10



Website photograph 11



Website photograph 12

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Machine gallery



Website photograph 13



Website photograph 14



Website photograph 15



Website photograph 16

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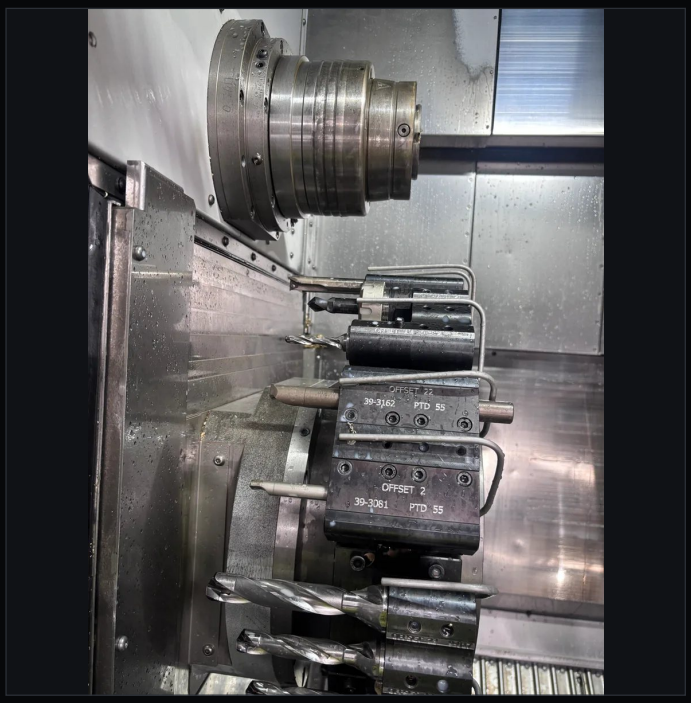
Machine gallery



Website photograph 17



Website photograph 18



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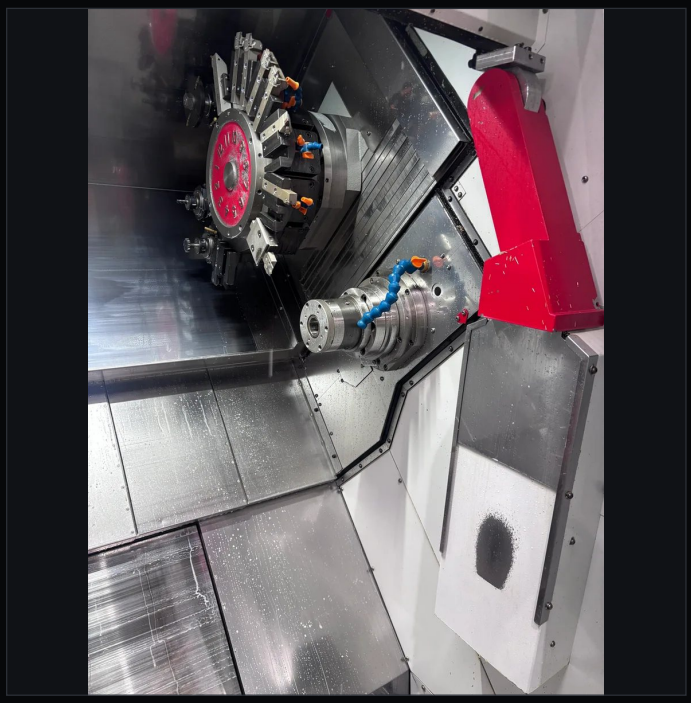

Website photograph 20

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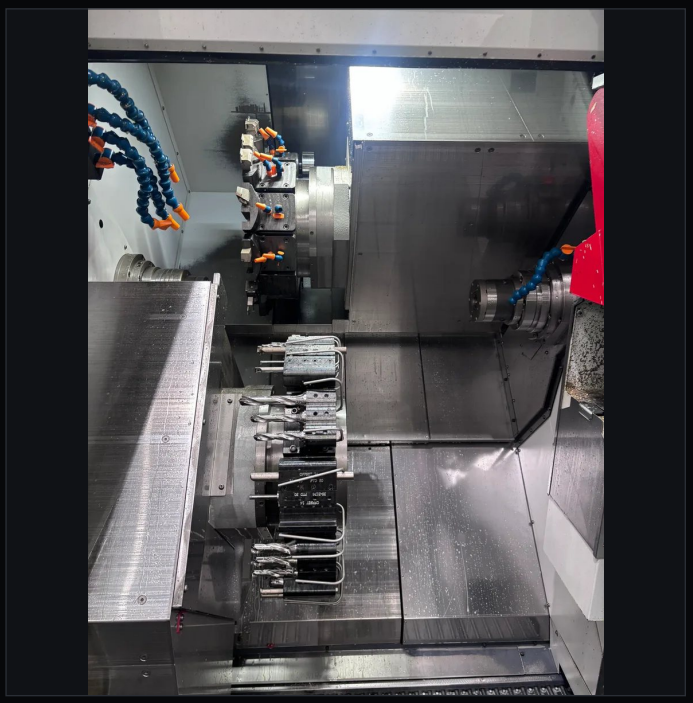
ACTUAL LISTING PHOTOGRAPHS

Machine gallery



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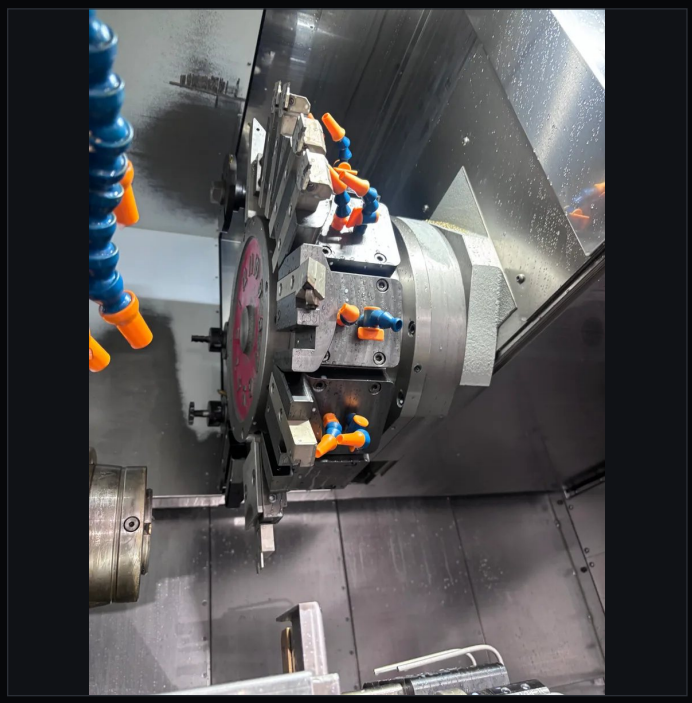

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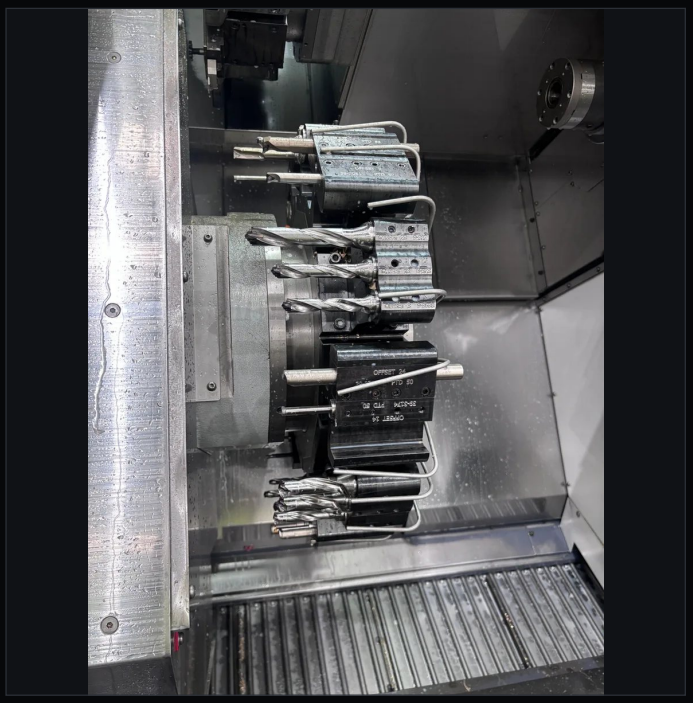

Website photograph 23



Website photograph 24

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ACTUAL LISTING PHOTOGRAPHS

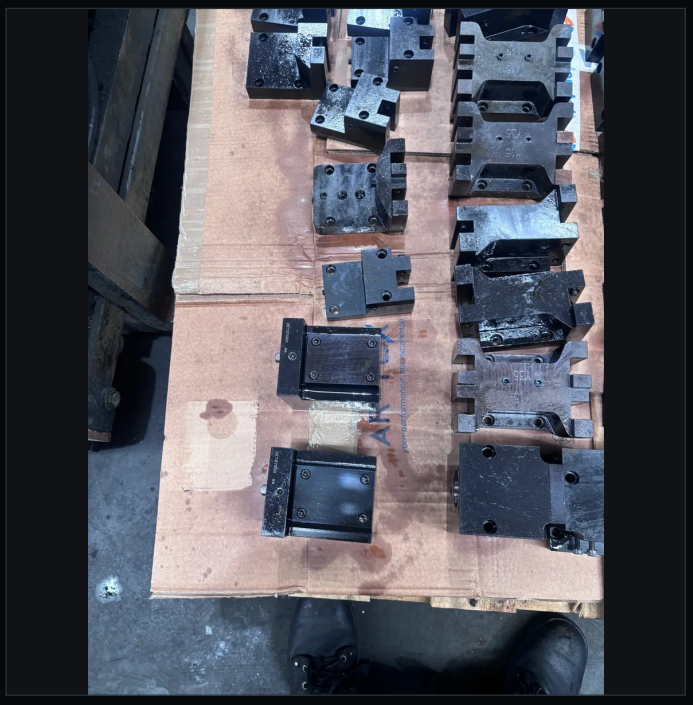
Machine gallery



Website photograph 25



Website photograph 26



Website photograph 27



Website photograph 28

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ENQUIRE / INSPECT / PLAN YOUR NEXT STEP

LET'S DISCUSS THIS MACHINE.

2021 Citizen Miyano ABX 51 SYY2 | Ref 098

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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www.swisscnc.co.uk

Scan for the live listing

Price on application + VAT

Finance options available, subject to status and approval.

WhatsApp this machine

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Registered in England and Wales: 12505020. VAT: 454 8685 47.
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.