GRAND SEIKI®

AC SERIES

Nothing But The Best

CNC MACHINING CENTER

(Travelling Column)

950 AC4 Plus

CNAS 体系认证 CNAS C007-Q

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GRAND SEIKI MACHINERY CO., LTD.

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Nothing But The Best

AC SERIES

CNC MACHINING CENTER
(Travelling Column)

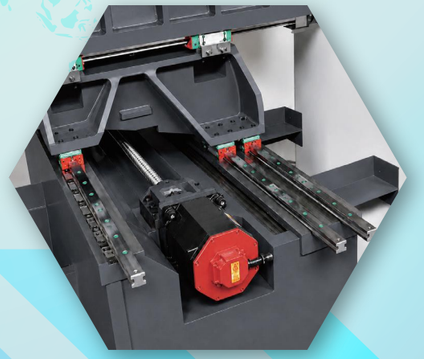
950 AC4 Plus

Driven by Quality / Strengthened by Expertise
Powered by Service / Inspired by Innovation

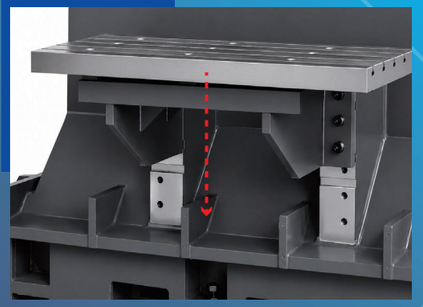
Features

- Three-axes drive area completely separated from the machining area for easy maintenance, service, and cleaning
- Adjustable worktable height to meet different machining requirements
- Wall-mounted 4th-axis, without affecting axis travel and allowing smooth chip evacuation
- Embedded coolant tank with front chip collection tray
- Direct chip drop design prevents chip accumulation
- P-grade linear guideways and C3-grade ball screws on all three axes
- Y and Z axes equipped with roller linear guideways for high precision and high rigidity
- High-rigidity cast iron material
- Arm-type tool magazine, suitable for applications requiring more and larger tools

- Table size: 1050 x 550 mm
- Column-Moving
- X/Y/Z-axis travel: 950 x 550 x 400 mm
- BT40 direct-drive spindle



- Three X-axis linear guideways provide a larger contact area for higher load capacity, greater stability, and superior machining accuracy.
- Wide-span offset guideway arrangement maximizes structural rigidity and machine stability.
- Front-high, rear-low guideway configuration reinforces column support at full travel for enhanced rigidity and cutting performance.

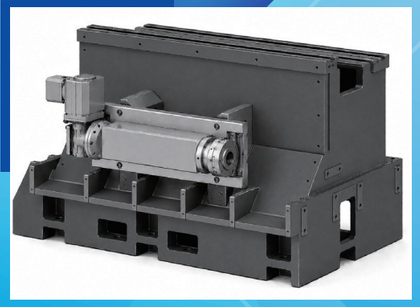


Adjustable worktable

Adjustable according to workpiece and fixture requirements.

Space-saving design for easy maintenance

Transformer and oil cooler are integrated within the machine footprint, reducing floor space and factory cost.

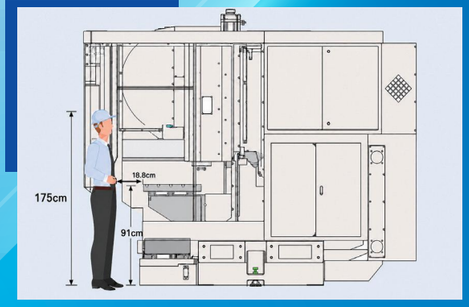


Side-mounted 4th axis

- Effectively avoids reduction of the machining range after installing the 4th axis.
- Chip accumulation is minimized, allowing easier workpiece replacement.
- Reduces setup time and improves machining efficiency.

Direct chip drop design

- Cutting chips are flushed by coolant directly into the chip collection tray, forming a direct chip drop system.
- This design prevents chip accumulation, improves the working environment, and extends machine service life.



Ergonomic Design

- Designed in accordance with ergonomic principles. The table height is approximately 91cm from the floor and about 18.8 cm distance from the operator to the front edge of the table, making loading and unloading easier and more convenient.
- It improves working efficiency and helps reduce occupational injuries.

Specifications

Item	Model	Unit	950 AC4 Plus
Travel	X-axis	mm	950
	Y-axis	mm	550
	Z-axis	mm	400
	Distance from spindle nose to table top	mm	115~515 (or 265~665 or 340~740)
	Distance from spindle center to Z-axis guideway	mm	218
Table	Table size	mm	1050 x 550
	Max. loading capacity	kgs	500
	T-slot	–	14mm × 5 (slots)
Axis Drive	Rapid traverse rate	m/min	48 / 48 / 48
	Cutting feed rate	mm/min	0.001~12000
	X/Y/Z motor power	kw	3.0 / 3.0 / 3.0
Spindle (Direct Drive)	Spindle diameter	mm	140
	Max. spindle speed	rpm	12000
	Spindle taper	–	BT40 x 45°
	Spindle motor power	kw	11 / 7.5
ATC Unit	Tool storage capacity	T	24
	Max. tool diameter	mm	80
	Max. tool length	mm	300
	Max. tool weight	kgs	8
	Tool changing time (T-T)	sec.	5.1 (T~T)
General	Machine height	mm	2800
	Floor space (Width × Depth)	mm	2525 x 3001
	Machine weight	kgs	5850

- Specifications are subject to change without prior notice. The actual machine shall prevail.

Standard Equipment

- Fanuc Controller
- 12,000 RPM (Direct-Drive Spindle)
- Spindle Oil Cooling & Temperature Control System
- Spindle Air Blowing Device
- 24T Automatic Tool Changer
- Automatic Lubrication System
- Full Enclosed Heat-Isolated Electrical Cabinet
- Transformer
- LED Work Light
- Three-Color Tower Light
- Air Gun & Water Gun
- Tool Box
- Tool Cooling System

Optional Equipment

- Mitsubishi Controller
- Coolant Through Spindle
- Spindle Oil-Mist Lubrication System
- BBT Dual-Contact Spindle
- Tool Length Measurement
- Tool Breakage Detection System
- Fourth Axis
- M Codes
- Safety Light Curtain
- Linear Scales on Three Axes
- 30T Arm-Type Tool Magazine
- Air-Conditioning System for Electrical Cabinet
- Workpiece Air Blowing Device
- Full Enclosed Enclosure
- Oil Mist Collector
- Automatic Door
- Safety Door Lock
- Chip Conveyor
- Oil/Water Separator

Machining Capacity (950 AC4 Plus with Fanuc Controller)

Material \ Machining	Drilling		Tapping		Milling	
	Max.	Min.	Max.	Min.	MRR	Width×Depth×Feed
Aluminum Alloy(A6061)	31	1.65	M24 x 3.0	M2 x 0.4	473 cc/min	63 x 5.0 x 1500
Medium Carbon Steel(S45C)	26	1.65	M22 x 2.5	M2 x 0.4	158 cc/min	63 x 2.5 x 1000
Stainless Steel (SUS430)	26	1.65	M16 x 2.0	M2 x 0.4	126 cc/min	63 x 2.0 x 1000
Cast Iron(FC-25)	31	–	M24 x 3.0	–	202 cc/min	63 x 4.0 x 800

GRAND SEIKI®

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