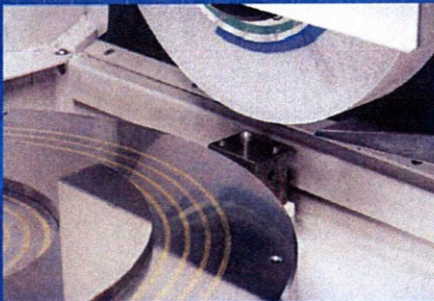


SSR-5

**Eco-friendly Non-hydraulic Machine
with 3-axis NC**



(This is the photo of the machine with optional equipments.)



- Environment-friendly non-hydraulic NC decreases thermal displacement.
- Enhanced feed axis speed shortens setup time and air cutting time.
- Linear guides provided for both vertical and horizontal axes improve straightness.
- Teaching function on both right and left side and manual pulse handle improve the usability.
- Automatic table dressing function that enhances dimensional accuracy is standard equipment.
- TECNO WASINO's original softwares (option) are installed.



Amada Machine Tools America Inc.

Machine Specification

Item				Unit	SSR-5	
Capacity	Diameter of solenoid chuck valve			mm	508	
	Distance between chuck upper surface and grinding wheel lower surface			mm	125	
	Maximum swing in table cover			mm	550	
Table	Effective diameter of electromagnetic chuck			mm	420	
	Rotation speed / Rotation speed range conversion number			min ⁻¹ / step	50~300 / 21	
	Vertical travel distance			mm	190	
	Maximum angle of inclination			°	±3	
	Manual	Handle feed amount	Magnification Off, ×0.1 ×1, ×10 ×40	By a rotation	mm	0.01, 0.1, 1.0, 4.0
				By a scale	mm	0.0001, 0.001, 0.01, 0.04
		Jog feed		m / min	100, 500, 1000, 2000	
Operation method			—	Jog lever pulse handle		
Automatic	Feed speed	Fast feed	mm / min	2,000		
		Grinding feed	mm / min	0.1~1,000		
Minimum setting unit				mm	0.0001	
Ram	Travel distance			mm	335	
	Manual	Handle feed amount	Magnification Off, ×0.1 ×1, ×10 ×40	By a rotation	mm	0.01, 0.1, 1.0, 4.0 [OP]
				By a scale	mm	0.0001, 0.001, 0.01, 0.04 [OP]
		Jog feed		mm / min	0~800, 1,000, 2,000, 4,000	
	Operation method			—	Jog lever pulse handle [OP]	
	Automatic	Feed speed	Fast feed	mm / min	5,000	
			Grinding feed	mm / min	0.1~5,000	
	Minimum setting unit				mm	0.0001
	Grinding wheel	Outside diameter × Width × Inside diameter			mm	355×38×127
		Rotation speed			min ⁻¹	0~2,500
Electric device	Grinding wheel axis			kW-P	7.5 / 11	
	For table rotation			kW	1.8	
	For vertical feed			kW	1.4	
	For ram actuation			kW	1.2	
	Automatic lubrication pump			W	25	
	Electric capacity			kVA	17	
Dimensions / Weight	Dimensions (length×width×height)			mm	2,120×1,154×1,602	
	Required floor space (including dust collection and coolant equipments and maintenance spaces)			mm	2,800×2,095	
	Total weight of the machine			kg	2,650	

Control Unit Specification

Control unit model	F-QIT (FANUC)
controlled axes	Single axis \times 2, Table rotation axis \times 1 (X-axis : cross feed Z-axis : vertical B-axis : table rotation)

Standard Function

Automatic demagnetizing device · Electromagnetic / Permanent magnetic chuck supported · Simplified permanent chuck demagnetizing function
 Stepless magnetic force adjustment knob · Electric leakage breaker (sensed current : 30mA)
 7.2 inch monochrome CD / MDI unit · Dressing interval (in-grinding dressing)
 Z-axis (vertical) manual handle · Manual reference point returning · Stored stroke limit
 Table rotation override 0~100% · Ram actuation override 0~100%
 Constant table rotation speed control · Grinding wheel speed S command · Self-diagnostic function
 Alarm and alarm history display · Actual speed display · Clock display · Current position display
 Servo adjustment image · Ram position teaching push button · Operation time / Number of parts display
 Chuck workpiece / Workpiece reference push button · Relative coordinate origin push button
 End message · Buzzer (volume adjustable) · Automatic table dressing function

Optional Function

X-axis (ram) manual handle · Handle interruption · Interruption dressing · Running timer
 Warning light (1 color [yellow]) · Warning light (3 colors [red · yellow · green]) · Operation time display
 AC100V power outlet (2P) · Imperial units available

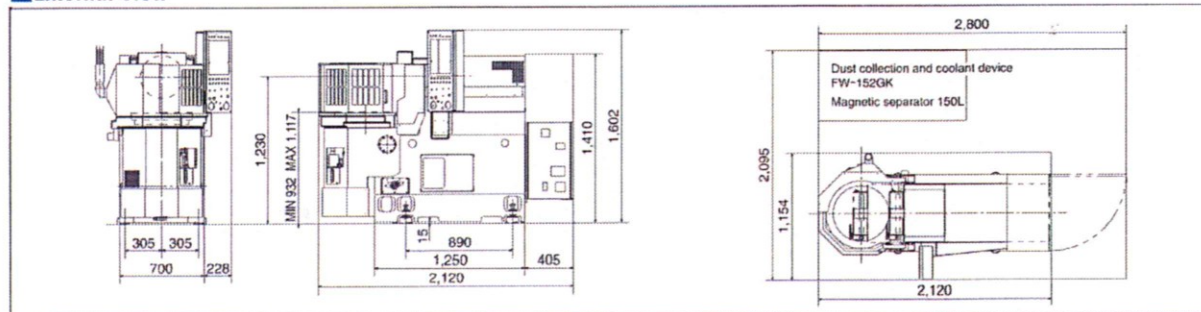
Special Accessories

Chuck	Electromagnetic chuck table (ring pole P=8)
	Electromagnetic chuck table (star pole)
	Electromagnetic chuck table (star and ring pole)
	Vacuum adsorption chuck device (not including adapter plate)
Coolant equipment	Magnetic separator type dust collection and coolant device (150 liters) FW-152-GK
	Paper + magnetic separator type dust collection and coolant device (150 liters)
	Grinding fluid temperature control device
Dresser	Electric dresser
Spindle	Balancing arbor
	Optional grinding wheel flange
Others	Grinding wheel width 50mm
	Balance board
	Working lamp
Specified color	

Control panel (including options)



External View



Amada Machine Tools America Inc.

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