

■ SL-8 MACHINE SPECIFICATIONS

	SL-8	SL-8B	SL-8A	SL-8C	SL-8F
Swing Over Bed	φ1000mm (39.3")	φ1000mm (39.3")	φ1000mm (39.3")	φ1000mm (39.3")	φ1300mm (51.1")
Swing Over Carriage	φ900mm (35.4")	φ900mm (35.4")	φ900mm (35.4")	φ900mm (35.4")	φ1100mm (43.3")
Max. Machining Dia.	φ600mm (23.6")	φ900mm (35.4")	φ600mm (23.6")	φ900mm (35.4")	φ1300mm (51.1")
Max. Longitudinal Travel	1100mm (43.3")				
Max. Cross Travel	420mm (16.5")				
Spindle Center Height From Floor	1250mm (49.2")	1390mm (54.7")	1250mm (49.2")	1390mm (54.7")	1630mm (64.1")
Programmable Spindle Speed Range	4 ~ 550 rpm	4 ~ 550 rpm	5 ~ 750 rpm	6 ~ 370 rpm	2.5 ~ 143rpm(High) 1.5 ~ 85rpm(Medium) 1 ~ 57rpm(Low)
Spindle Nose	A ₁ -20	A ₁ -20	A ₂ -15	A ₂ -20	A ₂ -15
Hole Thru Spindle	φ260mm (10.2" dia)	φ260mm (10.2" dia)	φ216mm (8.5" dia)	φ370mm (14.5" dia)	φ216mm (8.5" dia)
Spindle Inside Taper	φ268mm 1/20 Taper	φ268mm 1/20 Taper	φ224mm 1/20 Taper	φ376mm 1/20 Taper	φ224mm 1/20 Taper
Bed Width	Overall Width	700mm (27.5")			
	Carriage	700mm (27.5")			
Carriage/Bed's Slant	60°/60°				
Turret Tool Positions	6 tools				
Standard Cutting Tool Size	□32				
Curvic Coupling Dia.	φ420mm (16.5")				
Main Motor	DC 45KW (60HP)				DC 37KW (50HP)
Weight	16000kg (35200lbs)				17000kg (37400lbs)

Note: Specifications above are subject to change without notice.

■ STANDARD ACCESSORIES

- 1) Chip Conveyor 1 set
- 2) Complete Coolant System 1 set
- 3) Splash Guard 1 set
- 4) Tool Holders 1 set
- 5) Hydraulic Unit 1 set
- 6) Hand Tools 1 set

■ OPTIONAL ACCESSORIES

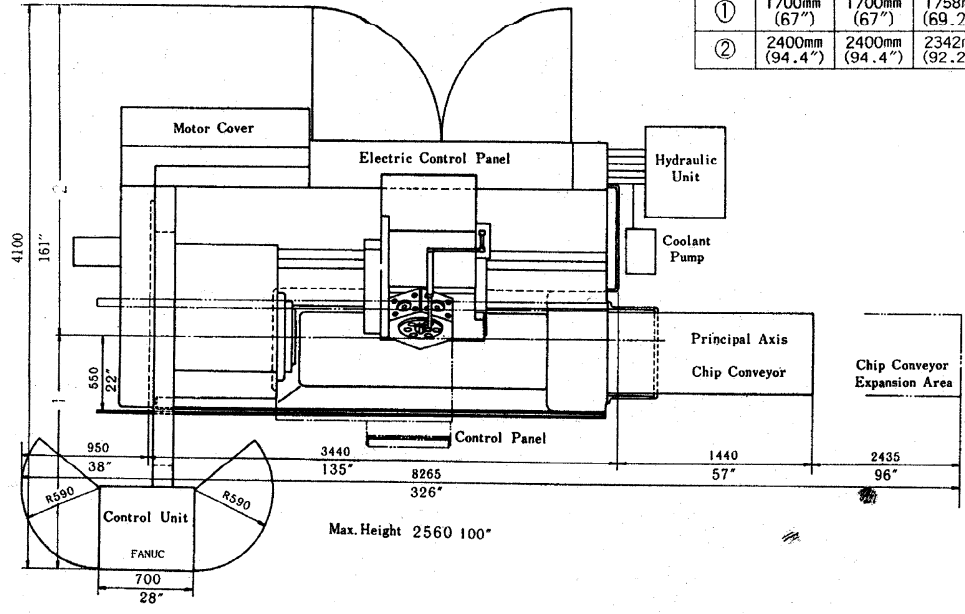
- 1) Hydraulic Chuck Unit
- 2) 4-jaw Independent Chuck
- 3) Extra Tool Holders

NUMERICAL CONTROL UNIT SPECIFICATIONS

		FANUC	
Control	Controlled axes	Simultaneously controllable axes; Two axes (one axis by manual); Linear and circular interpolations	
	Minimum output	X Z	0.0005mm (0.00002") 0.001mm (0.00004")
		Minimum input	0.01mm or 0.001mm (diameter designation for X axis)
Spindle Function	Spindle speed command	Direct designation of rpm with S 4-digit	
	Constant surface speed control	Direct designation of surface speed with S code: G96 control ON; G97 control cancel	
	Max. rpm setting	Max. rpm setting for constant surface speed control: Command in the form of G50 S 4-digit	
	Spindle inching	Spindle jog function: Effective in automatic and manual modes; Set at 1/100 of max. rpm; JOG button should be used.	
Feed Function	Rapid feed	X: 5000mm/min (196"/min) Z: 8000mm/min (314"/min)	
	Synchronous feed	Feed per rotation: mm/rev (G99)	
	Asynchronous feed	Feed per minute: mm/rev (G98)	
	Override	Override on commanded feed rate: 0 ~ 200% (in 10% increments)	
	Dwell	Stoppage time command G04	
	Zero return	Return to the machine reference point: G27, G28, G29	
	Manual pulse generator	Pulse feed: 0.01mm/0.001mm pulse switching	
	Manual continuous feed	Jog feed: 0 ~ 2000mm/min 25 steps	
Tool Function	Dry run	A function to operate machine at manual continuous feed rate, ignoring feed command	
	Tool position offset	16 pairs 0 ~ ±999.999mm (0 ~ 99.9999 inch)	
	Incremental offset	Allows a new offset value to be added to a previous offset value	
	Programming system	Absolute and incremental	
Programming Function	Chamfering/corner R	Direct designation of chamfering amount or corner R amount against 90° straight cutting	
	Circular radius R designation	Direct designation of circular radius R in circular interpolation instead of designating the center of a circle	
	Tool nose R compensation	G40 offset cancel; G41 moving direction left offset; G42 moving direction right offset	
	Single fixed cycle	G90 cutting cycle A; G92 thread cutting cycle; G94 cutting cycle B	
	Multiple repetitive cycle	G70 finishing cycle; G71 O.D. rough cutting cycle; G72 face rough cutting; G73 closed loop cutting cycle; G74 face grooving and deep hole drilling cycle; G75 O.D. grooving and O.D. cutoff cycle; G76 thread cutting cycle	
	Decimal point input	Decimal point can be used for numeric commands (in tape and MDI modes)	
	Block delete	A function to ignore blocks marked with "/"(slash) on a tape	
	Inch/metric conversion	Inch/metric input conversion: G20 inch input; G21 metric input	
Thread Cutting Function	Optional stop	A function to switch between stoppage and non-stoppage; determined by snap switches on the control panel; M01	
	Thread cutting, lead	F code: 0.01 ~ 500.00mm/rev (0.0001 ~ 50.0000"/rev)	
	E 6-digit thread cutting	E code: 0.0001 ~ 500.0000mm/rev (0.000001 ~ 9.999999"/rev)	
Tape Function	Tape memory & edit	Memory storage: 20m; deletion, insertion alteration, etc.	
	Search function	Sequence number search and other word search	
	Tape punching interface	For FACIT 4070	
	Buffer register	Advanced tape reading	
Miscellaneous	CRT (Braun tube)	Data input keyboard and display unit (CRT)	
	Machine lock	To lock the machine	
	Single block	Executes commands block by block	
	Memory protect	Key switch to prevent program from being destroyed by improper operation	
Stored stroke limit	A function to control over-travel by the use of software technique		

Installation Drawing

	SL-8	SL-8A	SL-8B	SL-8C
①	1700mm (67")	1700mm (67")	1758mm (69.2")	2758mm (100")
②	2400mm (94.4")	2400mm (94.4")	2342mm (92.2")	2342mm (92.2")



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