



SVL-1200 • SVL-1600 • SVL-2000  
SVL-2500 • SVL-3000 • SVL-3500

## CNC Vertical Lathe

*HEAVY DUTY Series*

Sahil Alloys & Machine Tools

CNC SVL Series

## Specifications:

MODEL	UNIT	SVL-1200	SVL-1600	SVL-2000	SVL-2500	SVL-3000	SVL-3500
<b>CAPACITY</b>							
Max. Swing Diameter	mm	1400	1800	2200	2700	3200	3700
Max. Turning Diameter	mm	1200	1600	2000	2500	3000	3500
Distance from Ram to Table	mm	750	1000	1200	1500	1750	2250
Max. Turning Height	mm	700	950	1150	1400	1650	2100
Max. Workpiece Weight	Kg	3500	5000	8000	12000	15000	20000
<b>SPINDLE</b>							
Table Diameter(Manual Chuck)	mm	1000	1250	1600	2000	2500	3000
Range of Table Speed	rpm	3 - 300	3 - 250	3-200	3-150	3-100	2-80
Change Gear Speed	-	2 - step	2 - step	2 - step	2 - step	2 - step	2 - step
<b>ATC/TURRET</b>							
ATC (Automatic Tool Change)	-	12 16	12 16	12 16	12 16	12 16	12 16
Number of Tool Position	-	12 16	12 16	12 16	12 16	12 16	12 16
Tool Size	mm	□ 25, □32	□ 25, □32	□ 25, □32	□ 25, □32	□ 25, □32	□ 32, □40
Cross - Section of Ram	mm	200 x 200	220 x 220	220 x 220	250 x 250	250 x 250	250 x 250
<b>TRAVEL</b>							
X Axis /Z Axis Rapid Rate	m / min	6 - 10	6 - 10	6 - 10	6 - 10	6 - 10	6 - 10
X Axis Horizontal Travel	mm	800	1000	1200	1450	1700	1950
Z Axis Vertical Travel	mm	600	900	900	1200	1200	1200
Cross - Rail Travel	mm	Fixed	800	950	1200	1450	1900
<b>CNC CONTROLLER SYSTEM</b>							
Fanuc / Siemens							
<b>MOTOR</b>							
Spindle Motor (Cont. / 30min)	kw	AC 22/37	AC 37/45	AC 37/45	AC 45/55	AC 45/55	AC 55/65
Feed Motor (X / Z Axis)	kw	4.0/4.0	7.0/7.0	7.0/7.0	7.0/7.0	7.0/7.0	7.0/7.0
Live Tool Motor (optional)	kw	AC 11 / 15	AC 11 / 15	AC 11 / 15	AC 11 / 15	AC 11 / 15	AC 11 / 15
<b>POWER REQUIREMENT</b>							
	kva	75	90	75	90	105	125
<b>MACHINE SIZE</b>							
Floor Space (L x W)	mm	4050 x 2900	4950 x 3200	5800 x 4000	7200 x 5500	7900 x 6100	8500 x 6600
Max. Height (H)	mm	4000	5000	5000	6300	6800	6500
Net. Weight	kg	12000	18000	24000	30000	36000	45000

Specifications are subject to alteration and improvement without prior notice

### Standard Accessories:

1. Complete splash guard
2. Table with manual 4-jaw chuck as spec
3. Protection door
4. Automatic lubrication system
5. Work light
6. Warning light (R/Y/G)
7. Workpiece counter
8. Coolant system with tank(3 bars through tool holder)
9. Heat exchanger for electrical cabinet
10. SVL-1000 fixed type crossrail
11. Leveling bolts & seat pads

### Options:

1. Hydraulic chuck
2. High power motor than spec.
3. Air conditioner for electrical cabinet
4. Power transformer, external
5. Oil skimmer (Disk type)
6. Tool holder base
7. Tool presetter
8. Linear encoder of X/Z axis
9. Lubricant chiller for spindle bearing & gear
10. Vertical travel (Z axis) to raise travel is variable
11. Hard jaws of hydraulic chuck
12. Live spindle with c-axis
13. Through coolant
14. Dual gear box for tool live spindle
15. Chip conveyor, scraper type
16. SVL-1000 travel type crossrail
17. CNC Controller 18i-T (model C series)
18. Turnkey solution



## SAHIL ALLOYS AND MACHINE TOOLS

AN ISO 9001 2015

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