

**SVLM** series**Vertical Lathe Machines**

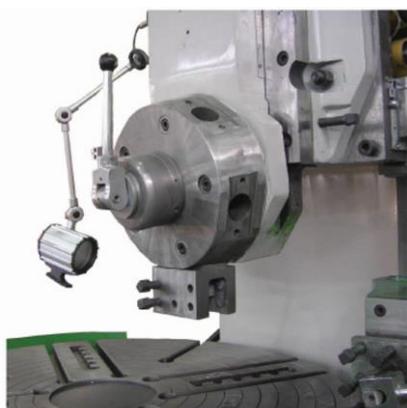
**SVLM** series machine is suitable for machining parts in all industries. On the machine cylindrical turning and boring. Tapering and surfacing as well as grooving and cutting off can be carried out rough and finishing.

**Features**

- The table adopts thrust ball bearing with high accuracy for rolling guide way. Spindle radial is performed NN30 type double row cylindrical rolling bearing. So it can improve the rotary precision and load capacity of the table.
- The rail head is equipped with pentagonal turret, and the side head is designed with square turret. The two heads are all adopted the hydraulic balance.
- The rail head is adopted sliding lead screw bearing for transmission in horizontal and vertical movement.
- Overall dimensions of machine are beautiful and it is delightful for people to use. It is easily for maintenance and service.
- The attachment of side head, digital control and turning taper can provided on special requirement.
- Major electrical components are Siemens.

### Technical specifications

Model:	SVLM1205	SVLM1605 SVLM1608	SVLM2008 SVLM2012
Max. turning diameter	1250mm	1600mm	2000mm
Table diameter	1010mm	1400mm	1800mm
Max. height of work piece	1000mm /1400mm	1000mm / 1400mm	1250mm / 1600mm
Max. weight of work piece	5T	5/8T	8/12T
Max. cutting force of rail head	20kn	25kn	25kn
Max. cutting force of side head	20kn	20kn	20kn
Max. torque of table	17.Skn.m	2Skn.m	32kn.m
Range of table speeds (16steps)	6.3-200r/min	S-160r/min	2-100r/min
Swivel of rail head	±30°	±30°	±30°
Range of feed rates (12steps)	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min
Ram travel of rail head	650mm	800mm	800mm
Ram hor. travel of side head	500mm	500mm	500mm
Vertical travel of side head	970mm	900mm	900mm
Rapid traverse of tool heads	1800mmlmin	1800mmlmin	1800mm/min
Height of tool bar section	40mm	40mm	40mm
Power of main motor	AC:22kw	AC:30kw	AC:37kw
Overall dimensions(L x W x H)	2360x2470x3480mm	2830X2870X3600mm	3210x4050x3800mm
Weight of machine(Approx.)	8.3T/8.9T	13.8T/14.1T	17.5/17.8T



**SVLM** series



**Vertical Lathe Machines**

**SVLM** series machine is suitable for motor, water turbine generator, aviation, mining machinery, metallurgy and common machinery industries machining cylindrical turning and boring, tapering and grooving roughly and finely etc.

**Features**

- The main drive adopts A.C or D.C motors, and sliding guide way or rolling guide way for table are provided according to the customers' requests.
- Feed system adopts A. C motor with 18 steps.
- Accessories including side head, cooling system and digital display device can be provided according to the special requirements.
- Major electrical components are Siemens.

### Technical specifications

Model:	SVLM2512 SVLM2520	SVLM3112 SVLM3120	SVLM3512 SVLM3520	SVLM4012 SVLM4020
Table diameter	2250mm	2500/2830mm	2830/3150mm	
Max. turning diameter	2500mm	3150mm	3500mm	4000mm
Max. height of work piece	1600/2000/2500mm			
Max. weight of work piece	12/20T			
Size of tool bar section	40 x 50mm			
Max. cutting force of right rail head	35000N			
Max. cutting force of left rail head	30000N			
Total culling force	63000N			
Max. torque of tool table	63000N.m			
Table speed	2-63rpm(16 steps)			
Tool head feeds	0.25-50mm/min(18 steps)			
Max. travel of right and left tool head	1400mm	1730mm	1920mm	2165mm
Vertical	1000mm			
Swivel of rail head	t30°			
Speed rapid travel of tool post	1560mm/min			
Max. travel of cross rail	1250mm			
Rapid travel speed of cross rail	350mm/min	354mm/min		
Main motor power	AC55kw			
lifting motor power	7.5kw	11kw		
GW.	33t	36.3t	40.2t	47.8t

