

> SMS

MODELS:
SMS 200 > SMS 250 > SMS 325

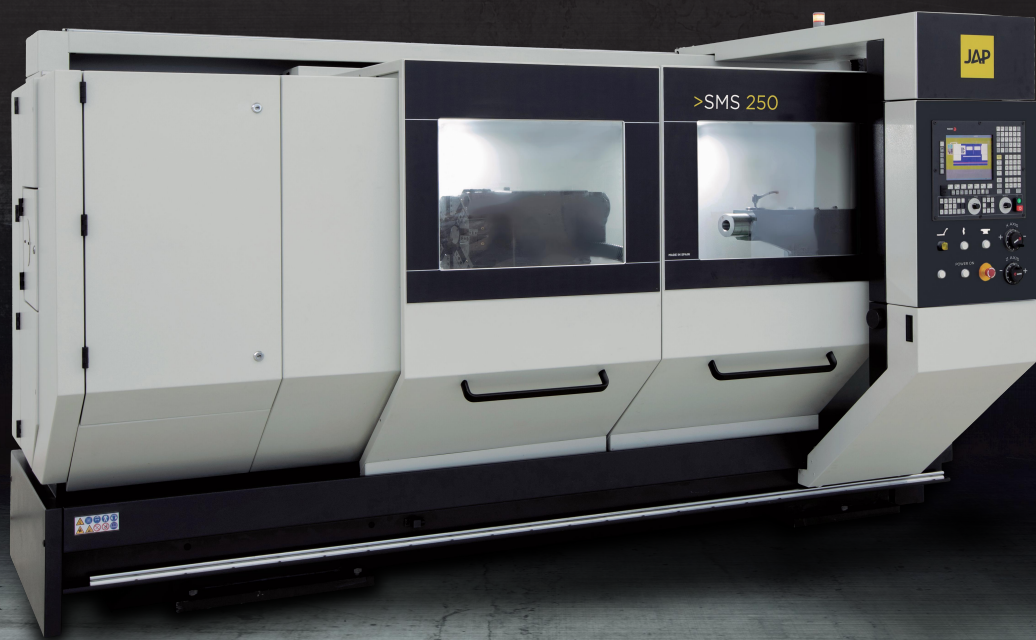
JAP

The optimum choice for training, maintenance and prototyping

The new CNC lathes of the SMS series are robust and accurate machines equipped with a geared headstock providing high torque for the most demanding roughing work.

The new JAP beds provide increased stiffness improving the dimensional and thermal stability of the machine and reduce the level of vibration during the turning process.

The SMS series are intuitive and user-friendly thanks to the conversational programming options offered with the controls Siemens or Fagor, ideal for the production of short series, prototyping and training centers.



STANDARD EQUIPMENT

- Siemens 808D Control
- Linear Path Graphs
- Electronic handwheel for X and Z axes
- Increased width and stiffness of the bed
- Headstock with electronic speed variator 3 ranges
- Lubrication pump for the main spindle bearings
- High precision main spindle bearings
- Reducing bush of main shaft and dead center
- Dead center for tailstock
- Manual quick-change toolpost
- Automatic guide lubrication system
- Coolant equipment
- Complete guarding enclosure
- Cast iron pedestals
- Precision Levellers
- LED Work light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

OPTIONAL EXTRAS

- Control Fagor 8037T or Fagor 8055T
- Chucks with 3 and 4 jaws
- Rear chuck
- Hydraulic power chuck
- Hydraulic collect chuck
- Hydraulic tailstock
- Fixed Steady Rest
- Large capacity fixed steady rest
- Follow Rest
- Multifix quick-change toolpost
- 4 and 8 position automatic turret
- Live center
- Chip conveyor
- Electric transformer
- Higher pressure cooling system
- Electric panel refrigeration
- Anti-vibration kit
- Remote jog unit
- Tool Presetter

Working capacity		SMS-200		SMS-250				SMS-325		
Distance between centres	mm / in	1000/40	1500/60	1000/40	1500/60	2000/80	3000/120	1000/40	2000/80	3000/120
Bed width	mm / in	300 / 11 3/4		350 / 13 3/4				425 / 16 3/4		
Centre height	mm / in	200 / 7 3/4		250 / 9 3/4				325 / 13		
Ø max. swing over bed	mm / in	400 / 15 3/4		500 / 19 1/2				700 / 27 1/2		
Ø max. swing over carriage	mm / in	360 / 14		450 / 17 1/2				600 / 23 1/2		
Ø max. over cross slide	mm / in	200 / 7 3/4		290 / 11 1/4				400 / 15 3/4		
Cross slide travel	mm / in	235 / 9		310 / 12				400 / 15 3/4		
Length inal carriage travel	mm / in	850	1350	850	1350	1850	2850	850	1850	2850

Headstock		SMS-200		SMS-250				SMS-325		
Main motor power	kW	4		5,5				7,5		
Headstock main spindle bore <i>Valid for all centre distances</i>	mm / in	42 / 1 1/2		58 / 2 1/4				105 / 4		
Main spindle nose	ASA/CAM-LOCK	A2 - 5 / D1 - 5		A2 - 5 / D1 - 5				A2 - 8 / D1 - 8		
Main spindle nose taper	MT	4		5				5		
Speed ranges	Range I	r.p.m.	0 - 575	0 - 520				0 - 312		
	Range II	r.p.m.	575 -1500	520 - 1080				312 - 1250		
								0 - 375	0 - 312	0 - 200
								375-1500	241-1250	200-800

X-axis, Z-axis		SMS-200		SMS-250				SMS-325		
Working feeds Z	Siemens	m/min	0 - 7				0 - 5			
	Fagor	m/min	0 - 10				0 - 8.5			
Working feeds X	Siemens	m/min	0 - 8.5				0 - 4			
	Fagor	m/min	0 - 12				0 - 6			
Rapid traverse Z	Siemens	m/min	9				6.5			
	Fagor	m/min	12.5				10			
Rapid traverse X	Siemens	m/min	10				5			
	Fagor	m/min	15				7.5			
Z - Ball screw, Ø/pitch	mm	40 / 10				50 / 10				
X - Ball screw, Ø/pitch	mm	20 / 5				32 / 5				

Tailstock		SMS-200		SMS-250				SMS-325		
Tailstock barrel Ø	mm / in	68 / 2 1/2		95 / 3 3/4				106 / 4		
Tailstock barrel travel	mm / in	200 / 7 3/4		220 / 8 1/2				225 / 8 3/4		
Tailstock Morse taper	MT	4		5				6		

Turret		SMS-200		SMS-250				SMS-325		
Manual turret										
Tool shank	mm	25x25		32x32						
Ø Boring bar	mm	20		25						

Dimensions and Weight		SMS-200		SMS-250				SMS-325		
Length	mm	2800	3350	2810	3525	3850	4750	3290	4290	5290
Width	mm	1270		1370				1450		
Height	mm	1890		1910				1875		
Weight	kg	1670	1980	1850	2200	2600	3200	5460	5760	6560

Options		SMS-200		SMS-250				SMS-325		
Fixed steady rest Ø	mm	10 - 140		10 - 180				90 - 300		
Large capacity fixed steady rest Ø	mm	140 - 300		180 - 400				300 - 530		
Mobile Steady Rest Ø	mm	10 - 100		10 - 140				70 - 290		

Dimensions and Weight with packaging		SMS-200		SMS-250				SMS-325		
Length	mm	2900	3450	2910	3625	3950	4850	3390	4390	5390
Width	mm	1470		1570				1650		
Height	mm	2080		2100				2065		
Weight	kg	1970	2280	2250	2600	3000	3600	5860	6160	6960