> SMS

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.

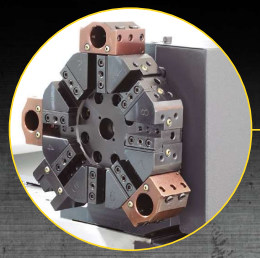
MODELS: SMS 200 > SMS 250 > SMS 325

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 2 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

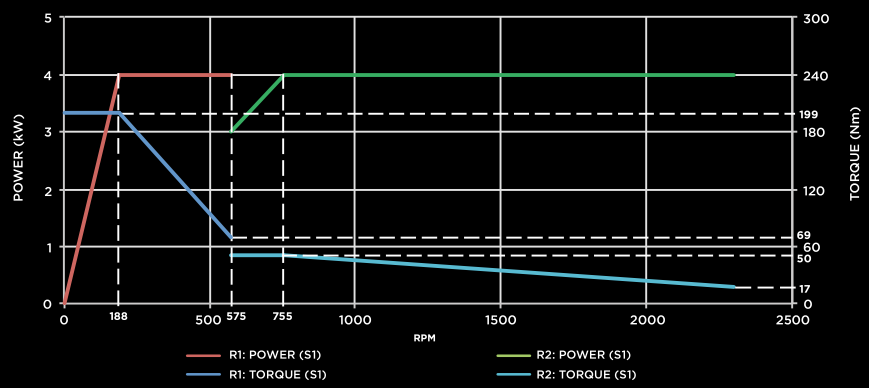
- Control Fagor 8055T
- Chucks with 3 and 4 jaws
- Rear chuck
- Hydraulic power chuck
- Hydraulic collect chuck
- Hydraulic tailstock
- Fixed Steady Rest
- Large capacity fixed steady rest
- Follow Rest
- Multifix quick-change toolpost
- 4 and 8 position automatic turret
- Live center
- Chip conveyor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



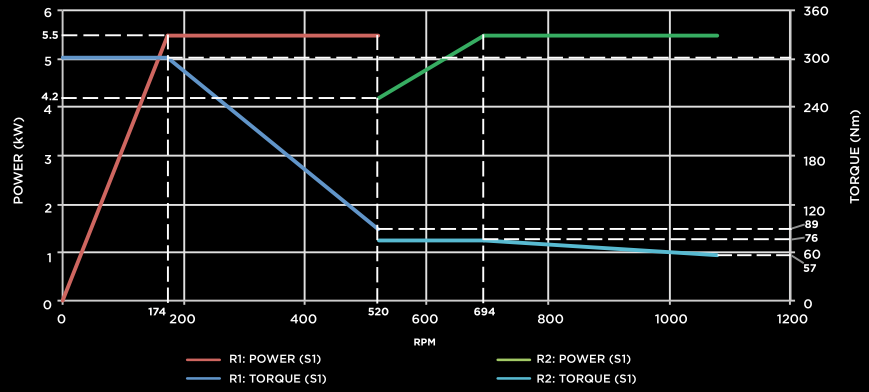
SMS — Technical data sheet

			SMS-200		SMS-250				SMS-325		
Working capacity											
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											
Main motor power		kW	4		5,5				7.5		
Headstock main spindle bore *Valid for all centre distances*		mm / in	42 / 1 1/2		58 / 2 1/4		105 / 4		80 / 3	105 / 4	155 / 6
Main spindle nose		ASA/CAM-LOCK	A2 - 5 / D1 - 5		A2 - 6 / D1 - 6		A2 - 8 / D1 - 8		A2 - 8 / D1 - 8		A2 -11 / - -
Main spindle nose taper		MT	4		6		5		5		
Speed ranges	Range I	r.p.m.	0 - 575		0 - 520		0 - 312		0 - 375	0 - 312	0 - 200
	Range II	r.p.m.	575 -2350		520 - 2080		312 - 1250		375-1500	241-1250	200-800
X-axis, Z-axis											
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											
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											
Manual turret											
Tool shank		mm	25x25		32x32						
Ø Boring bar		mm	20		25						
Dimensions and Weight											
Length		mm	2800	3350	2810	3525	3850	4750	3290	4290	5290
Width		mm	1270		1370		1450		2170		
Height		mm	1890		1910		1875		2090		
Weight		kg	1670	1980	1850	2200	2600	3200	5460	5760	6560
Options											
Fixed steady rest Ø		mm	10 - 125		10 - 140				55 - 180		
Large capacity fixed steady rest Ø		mm	110 - 200		140 - 300				180 - 400		
Mobile Steady Rest Ø		mm	10 - 80		10 - 90				10 - 140		
Dimensions and Weight with packaging											
Length		mm	2900	3450	2910	3625	3950	4850	3390	4390	5390
Width		mm	1470		1570		1650		2370		
Height		mm	2080		2100		2065		2180		
Weight		kg	1970	2280	2250	2600	3000	3600	5860	6160	6960

SMS-200/42



SMS-250/58



SMS-325/80