

JAP

CNC LATHES
High-Precision Technology





Why technology like JAP's was necessary?

The METOSA GROUP, a pioneering company in the machine tool industry has been designing and manufacturing continuously for more than 70 years its range of quality, efficient lathes and is now a company positioned in the supply of cutting-edge technology.

The current market is more and more competitive and demanding, requesting reliable and accurate products offering minimal downtime in the manufacturing processes and needs to produce workpieces with tight tolerances, consistently in a profitable way.

In response The METOSA GROUP has created the new Premium line JAP range of conventional and CNC flat-bed lathes. This range offers machines with rigid and stable beds combined with the selection of high quality materials, components and accessories in its construction, making JAP a new benchmark in the machine tool industry.



JAP: The Metosa Group's latest brand

The Metosa Group's launch of JAP, the new brand offering cutting-edge technology lathes incorporates a new design of bed with improved stiffness, careful selection of raw materials and components, the optimizing of the assembly and quality control process, which combined provides a significant improvement in the performance of all JAP models.

As a result of the effort in the R&D investment of The Metosa Group, the new JAP lathes improve the machining time, guarantee the dimensional stability of workpieces produced and obtain an optimum surface finishing.

The supply of the JAP range always provides a complete service for the customers from the analysis of the customer's needs, in house manufacturing, commercial advice, transport service, control and commissioning of the machine, training of the operators in our facilities to the technical after sales service and maintenance contracts.





A Premium line for the challenges of the future.

The JAP range has been created with an irrevocable commitment to quality and state of the art technology, presenting 4 innovative models designed to cover any industrial need request for its customers.

JAP models are destined to work in demanding sectors such as automotive, oil & gas, wind generators, steel makers, metalworking, shipyards, railways etc. as well as the training sector within technical schools and universities.

> MLS

Conventional servo controlled lathe.

MLS 200 | MLS 250 | MLS 400



> SMS

The optimum choice for training, maintenance and prototyping.

SMS 200 | SMS 250 | SMS 325



> STS

Work speed and versatility in up to 3 axis.

STS 200 | STS 250 | STS 350



> STH

High capacity CNC lathes up to 4 axis.

STH 400 | STH 500



> SLT

CNC Slant bed lathe.

SLT 275x640 | SLT 275x640 M



> MLS

Conventional servo controlled lathe

The new MLS series are servo assisted manual lathes with visual programming using cycles. Easy to operate for a wide range of operations with minimum setup time. Extra wide bed offers the best rigidity and vibration absorption for the most demanding works.

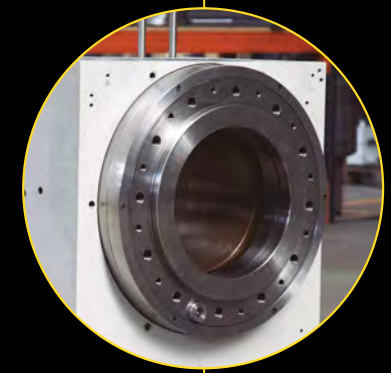
MODELS: MLS-200 > MLS-250 > MLS-400

STANDARD EQUIPMENT

- Control Fagor 8058
- Assisted cycles
- Touch screen
- Electronic handwheels
- Increased width and stiffness of the bed
- Headstock with variable speed 2 and 3 ranges
- Lubrication pump for the main spindle bearings
- Reducing brush of main shaft and dead center
- High precision main spindle bearings
- Dead center for tailstock
- Manual quick-change toolpost
- Electric spindle brake
- Interlocked chuck guard
- Emergency stop button
- Automatic central lubrication
- Full length rear splash guard
- Sliding front guard
- Fully guarded leadscrew
- Coolant system
- Heavy duty cast iron bed
- Levelling bolts
- LED Work light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

OPTIONAL EXTRAS

- 3 and 4 jaw Chucks
- Rear chuck
- Fixed steady rest
- Large capacity fixed steady rest
- Follow rest
- Multifix quick-change toolpost
- Linear scale feedback
- Live center
- Transformer for other voltajes
- Chip conveyor
- Anti-vibration kit



Working capacity		MLS-200		MLS-250			MLS-400				
Center distance	mm / in	1000 / 40	1500 / 60	1000 / 40	1500 / 60	2000 / 80	1000 / 40	2000 / 80	3000 / 120	4000 / 157 1/2	5000 / 197
Bed width	mm / in	300 / 11 3/4		350 / 13 3/4			425 / 16 3/4				
Center height	mm / in	200 / 7 3/4		250 / 9 3/4			400 / 15 3/4				
Ø max. swing over bed	mm / in	400 / 15 3/4		500 / 19 1/2			800 / 31 1/2				
Ø max. swing over carriage	mm / in	360 / 14		450 / 17 1/2			710 / 28 1/4				
Ø max. over cross slide	mm / in	200 / 7 3/4		290 / 11 1/4			510/ 20 3/4				
Cross slide travel	mm / in	235/ 9		335/ 13			400 / 15 3/4				
Longitudinal carriage travel	mm / in	850 / 33 1/4	1350 / 53	850 / 33 1/4	1350 / 53	1850 / 72 3/4	1000 / 39 1/2	2000 / 78 3/4	3000 / 118	4000 / 157 1/2	5000 / 197

Headstock									
Main motor power	kW	75		15			17		
Headstock main spindle bore Valid for all center distances	mm / in	42 / 1 1/2		58/2 1/4			105 / 4		
Main spindle nose	ASA / CAM-LOCK	A2-5 / D1-5		A2-6 / D1-6 A2-8 / D1-8			A2 - 8/ D1-8 A2-11/--		
Morse cone main spindle nose	MT	4		5			5		
Speed ranges	Range I	r.p.m.	0 - 4000		0 - 3000	0 - 2500	0 - 424	0 - 288	0 - 217
	Range II	r.p.m.					424 - 1700	288 -1000	217 - 750

X-axis, Z-axis							
Working feeds Z	m/min			0 - 10			
Working feeds X	m/min			0 - 12			
Rapid traverse Z	m/min			12,5			
Rapid traverse X	m/min			15			
Standard spindle, Ø/pitch	mm			35 / 6		50 / 10	

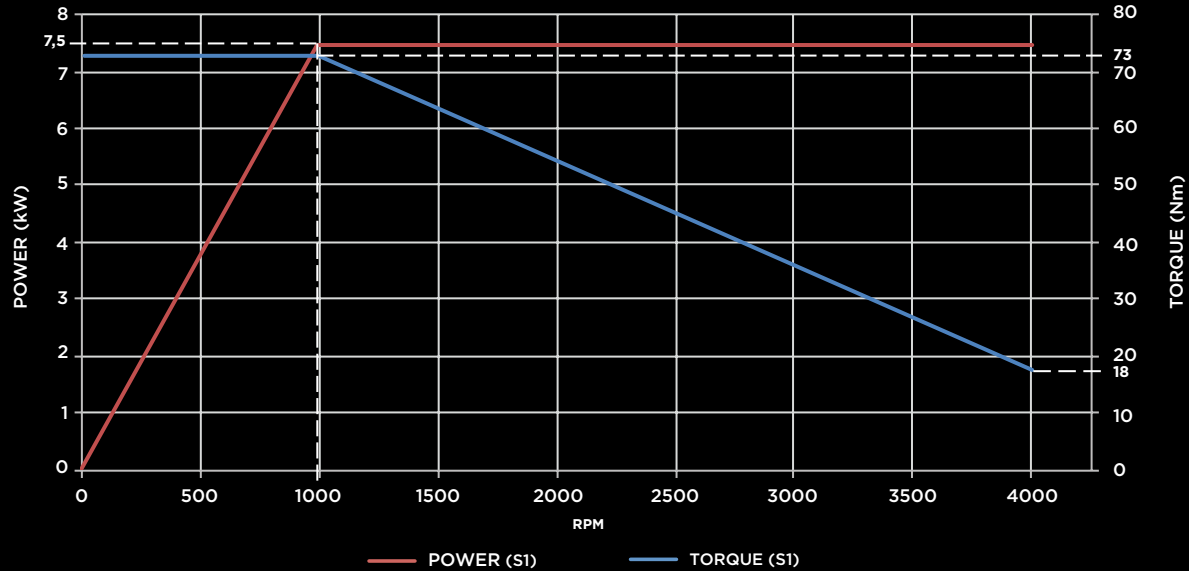
Tailstock							
Tailstock barrel Ø	mm / in	68 / 2 1/2		95 / 3 3/4		106 / 4	
Tailstock barre travel	mm / in	200 / 7 3/4		220 / 8 1/2		215/ 8 1/2	
Tail stock Morse taper	MT	4		5		6	

Dimensions and Weight											
Length	mm	2620	3040	2540	3020	3650	2995	3995	4995	5995	6995
Width	mm	1000		1140		1920					
Height	mm	1650		1770		2090					
Weight	kg	1845	2035	2160	2400	2650	5460	5760	6560	7360	8160

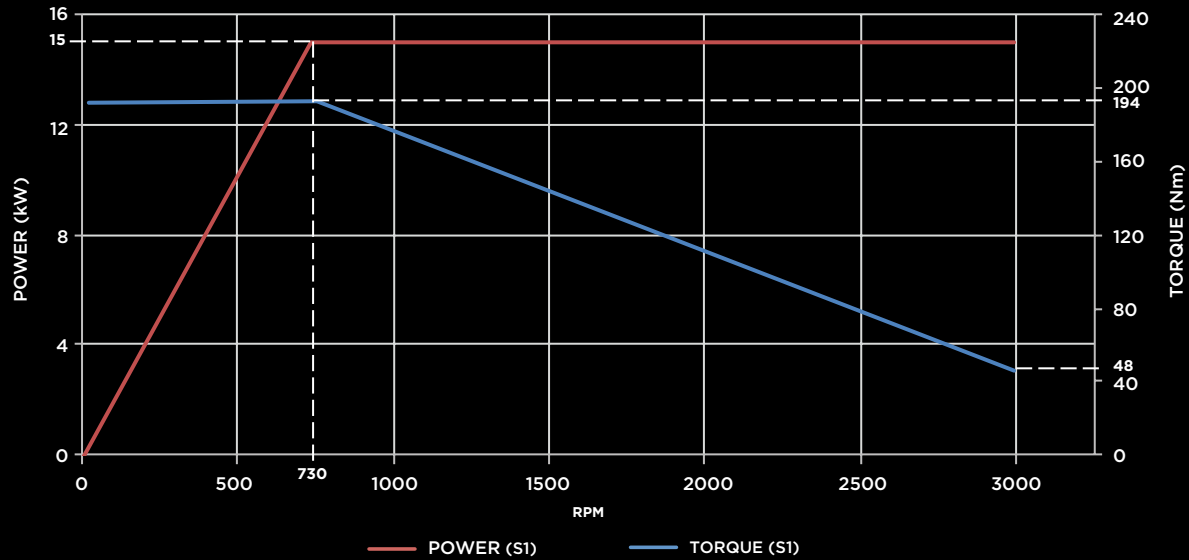
Options							
Fixed steady rest Ø	mm	10 - 125		10 - 140		10 - 380	
Large capacity fixed steady rest Ø	mm	110 - 200		140 - 300		370 - 730	
Follow rest Ø	mm	10 - 80		10 - 100		35 - 310	

Dimensions and Weight with packaging											
Length	mm	2820	3240	2740	3220	3850	3195	4195	5195	6195	7195
Width	mm	1100		1240		2020					
Height	mm	1850		1970		2290					
Weight	kg	2145	2335	2460	2700	3000	5860	6160	6960	7760	8560

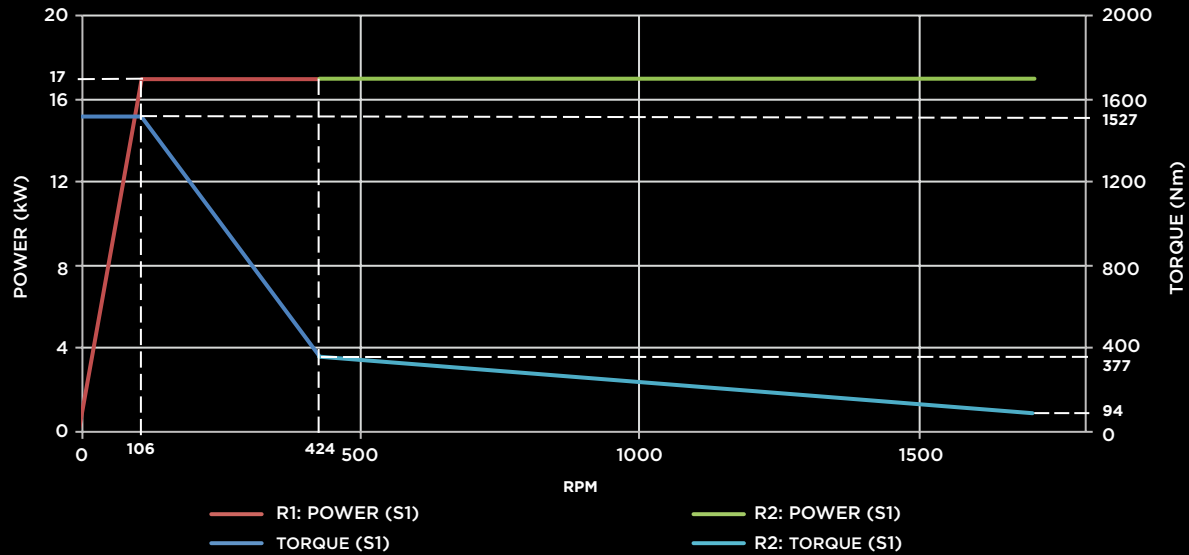
MLS-200



MLS-250



MLS-400



> 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

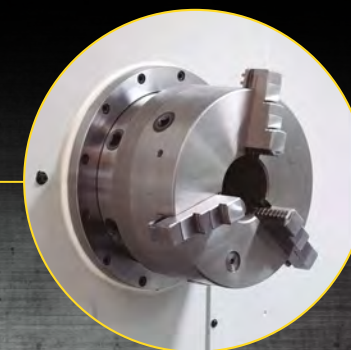
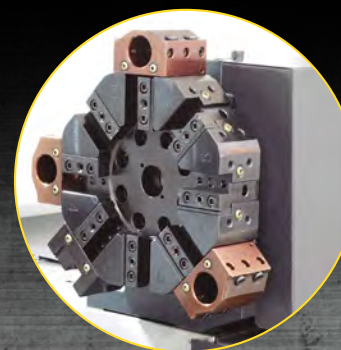


STANDARD EQUIPMENT

- 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



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										
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				80 / 3	105 / 4	155 / 6
Main spindle nose	ASA/CAM-LOCK	A2 - 5 / D1 - 5		A2 - 6 / D1 - 6				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		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		

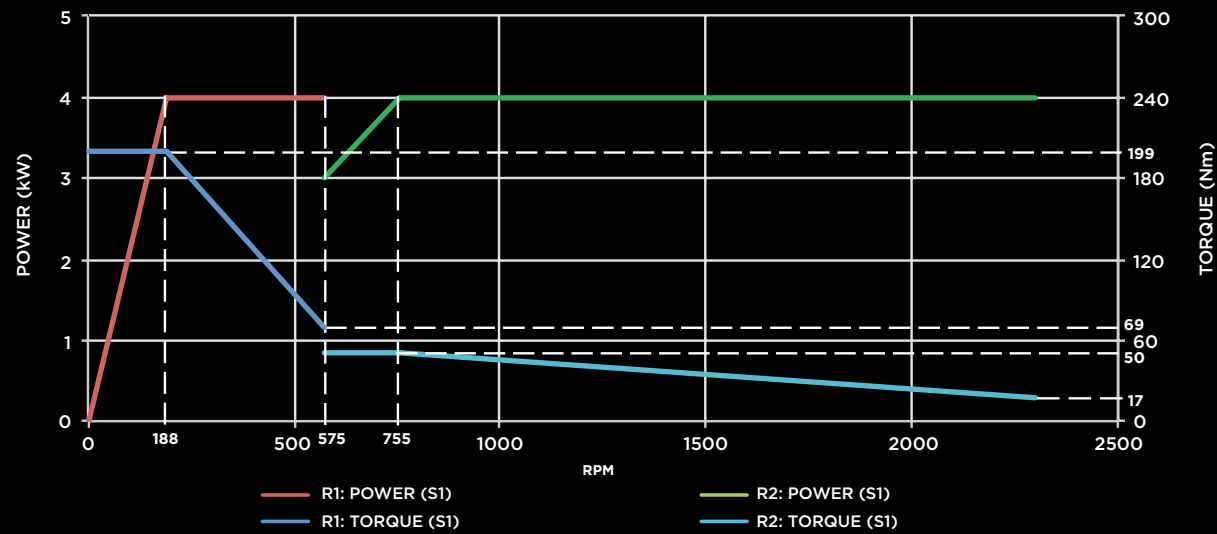
Turret			
Manual turret			
Tool shank	mm	25x25	32x32
Ø Boring bar	mm	20	25

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

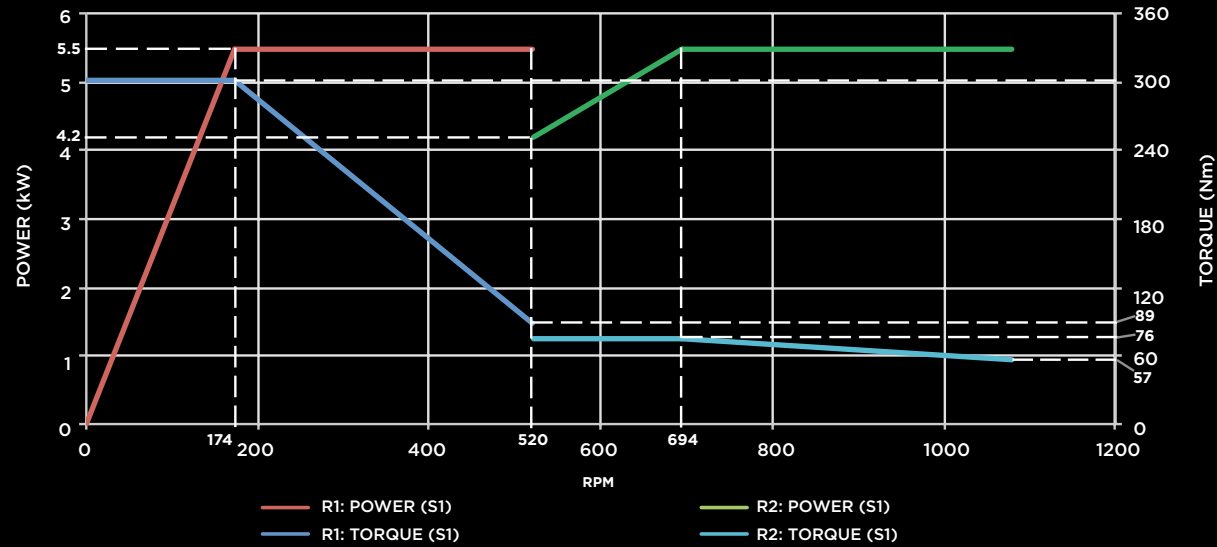
Options										
Fixed steady rest Ø	mm	10 - 125		10 - 140				55 - 180		
Large capacity fixed steady rest Ø	mm	110 - 200		140 - 300				180 - 400		
Mobile Steady Rest Ø	mm	10 - 80		10 - 90				10 - 140		

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



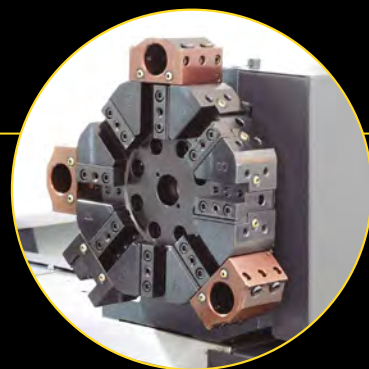
> STS

Work speed and versatility in up to 3 axis

The new STS CNC lathe series is versatile, fast and accurate, developed under the robust quality standards of the JAP premium technology. The new JAP beds provides increased rigidity improving the dimensional and thermal stability of the machine and reduces the level of vibration during the machining process.

The STS series has a headstock equipped with a belt-drive servomotor and a high quality and low run-out main spindle, providing a lathe with high spindle speed, reduced noise level and high quality surface finish capability. The JAP STS are lathes with up to 3 axes that provide extraordinary versatility in the world of machine tools.

MODELS: STS 200 > STS 250 > STS 350

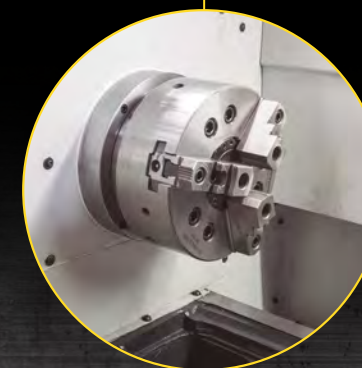
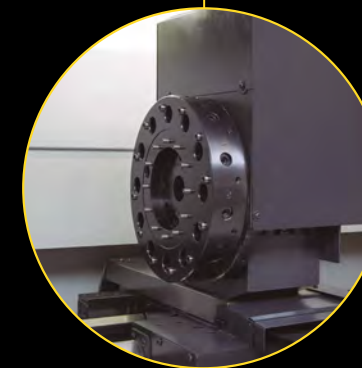


STANDARD EQUIPMENT

- Fanuc Oi-TF Control
- Dynamic graphics / trajectory
- Profile Editor
- Electronic handwheel for X and Z axes
- Increased width and stiffness of the bed
- Direct drive headstock with servomotor
- High precision main spindle
- Reducing bush of main shaft and dead centers
- 8-position automatic turret with 4 toolholders
- Automatic lubrication of the guideways
- Refrigeration equipment
- Cast iron pedestals
- Precision Levellers
- LED Work light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

OPTIONAL EXTRAS

- Control Fagor 8055T, Siemens 828D
- C-axis
- 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
- Livetool 12 positions
- Live center
- Chip conveyor
- Electric transformer
- Higher pressure cooling system
- Electric panel refrigeration
- Anti-vibration kit
- Remote jog unit
- Tool Presetter
- Bar feeder



Working capacity		STS-200		STS-250				STS-350		
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				350 / 13 3/4		
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	Fagor	kW	7.5	15	15			
	Fanuc		11	15	15			
	Siemens		7	9	11			
Headstock main spindle bore <i>Valid for all centre distances</i>	mm / in		42 / 1 1/2	65 / 2 1/2	80 / 3	105 / 4	155 / 6	
Main spindle nose	ASA		A2 - 5	A2 - 6	A2 - 8		A2-11	
Main spindle nose taper	MT		4	5	5		5	
Speed ranges	r.p.m.		0-4000	0-3000	0-2500	0-2500	0-1000	

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

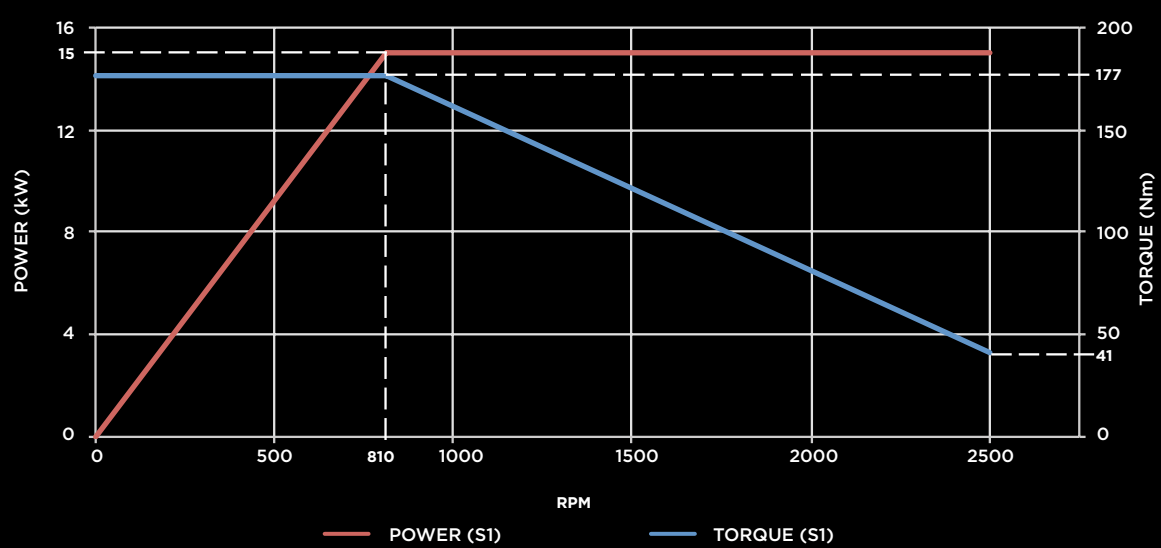
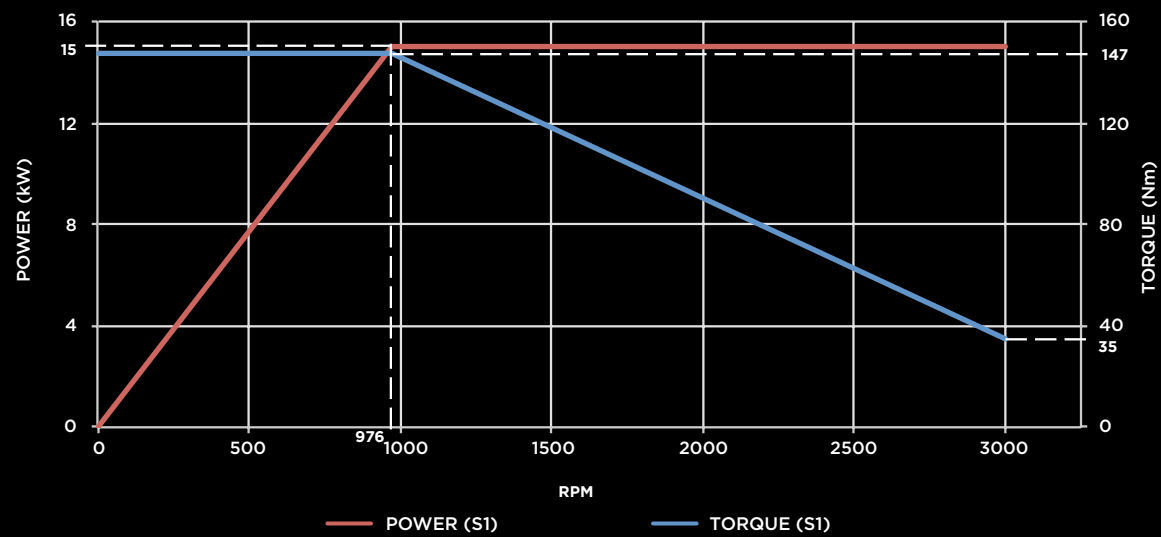
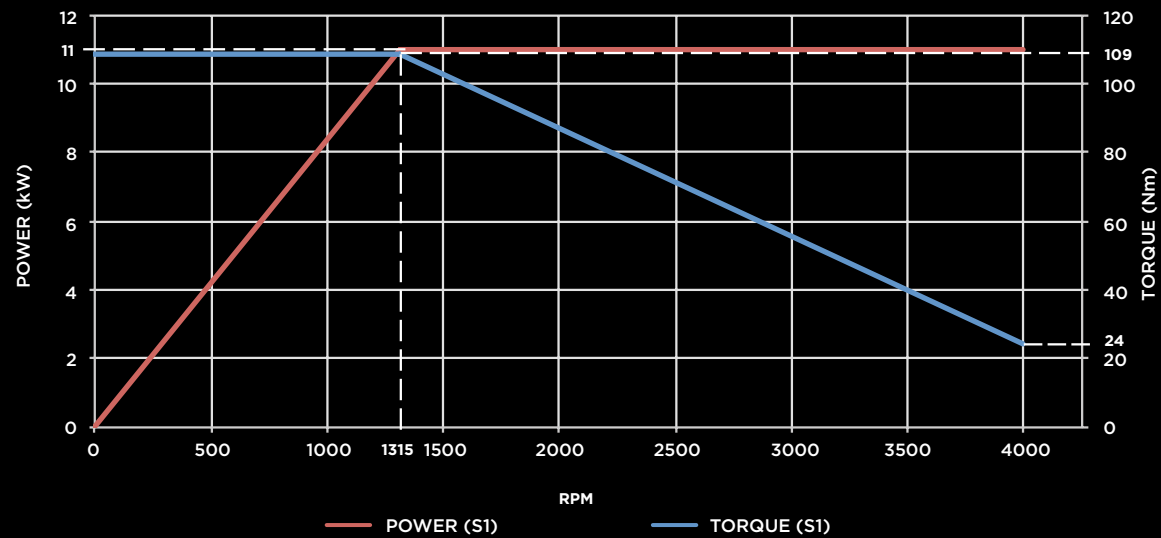
Tailstock										
Tailstock barrel Ø	mm / in	68 / 2 1/2		95 / 3 3/4				106 / 4		
Tailstock barrel travel	mm / in	200 / 7 3/4		220 / 8 1/2				225 / 8 3/4		
Tailstock Morse taper	MT	4		5				6		

Turret										
Stations of standard turret		8		8						
Tool shank	mm	25x25		25x25						
Ø Boring bar	mm	32		40						

Dimensions and Weight										
Length	mm	2810	3300	2800	3325	3940	4750	3290	4290	5290
Width	mm	1260		1350		1700		2170		
Height	mm	1890		1810		2110		2090		
Weight	kg	2230	2340	2250	2475	2970	3640	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 - 250				180 - 400		
Mobile Steady Rest Ø	mm	10 - 80		10 - 90				10 - 130		

Dimensions and Weight with packaging										
Length	mm	3010	3500	3000	3525	4140	4950	3490	4490	5490
Width	mm	1360		1450		1800		2270		
Height	mm	2090		2010		2310		2290		
Weight	kg	2530	2640	2650	2875	3370	4040	5860	6160	6960



> STH

Large roughing CNC lathes with up to 4 axes

The STH series of CNC lathes marks a milestone among flatbed numerical control machines. STH are parallel lathes with up to 4 axes that have a reputation for versatility within their segment without loss of precision and quality of surface finish that have made STH a reference in the world of machine tools.

The headstock of the STH series is equipped with a 2-step gear box providing a high output in the roughing operation. In addition, the high quality and reduced run-out main spindle of the JAP machines, makes the STH the best friend of the most complex works.

STH parallel lathes have been designed with our most demanding customers in mind, using the highest quality components combined with the most innovative technology, the result of more than 70 years of experience.

Models with up to 4 CNC axes, 1050 mm turning on over bed and 5000 mm between centres.

MODELS: STH 400 > STH 500

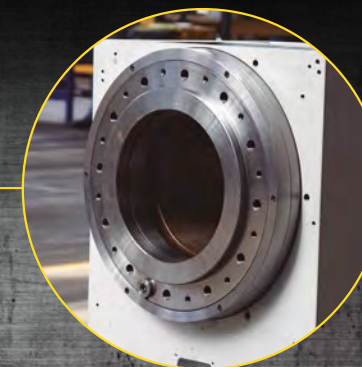
STANDARD EQUIPMENT

- Fanuc Oi-TF
- Dynamic graphics / trajectory
- Profile Editor
- Screen 15"
- High precision main spindle
- Reducing bush of main shaft and dead centres
- Servomotor
- Gearbox 2 ranges
- 8-position automatic turret with 4 toolholders
- Remote jog unit
- Refrigeration equipment
- Cast iron pedestals
- Precision Levellers
- LED Work light
- Status signal light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

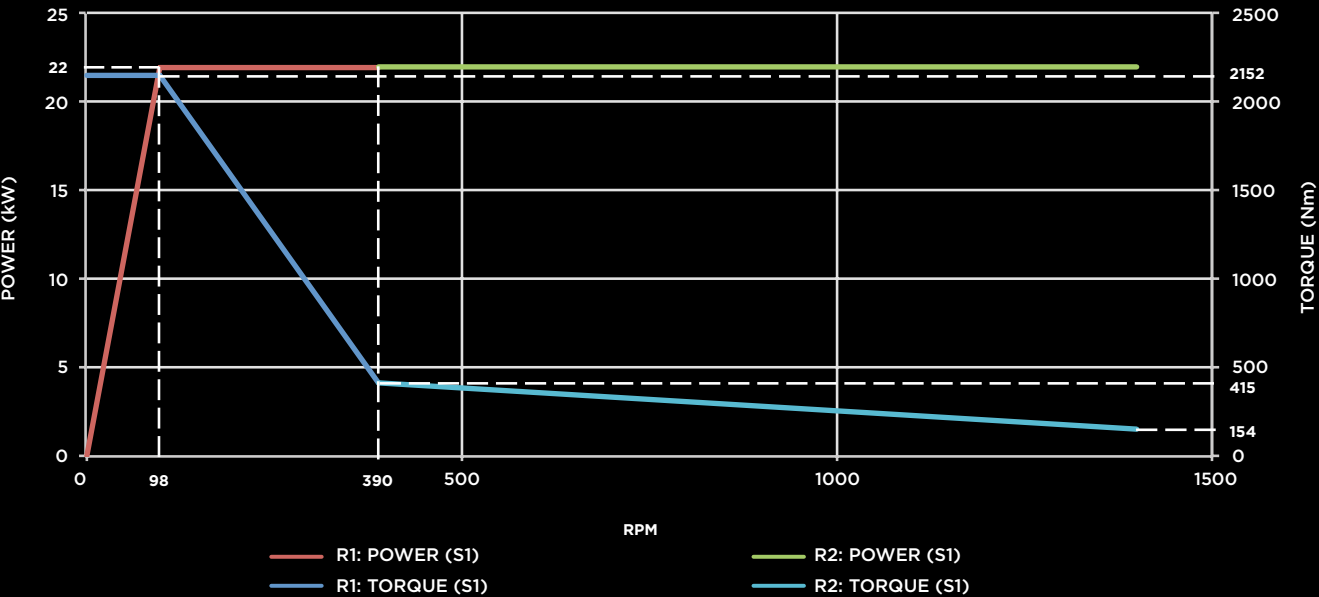
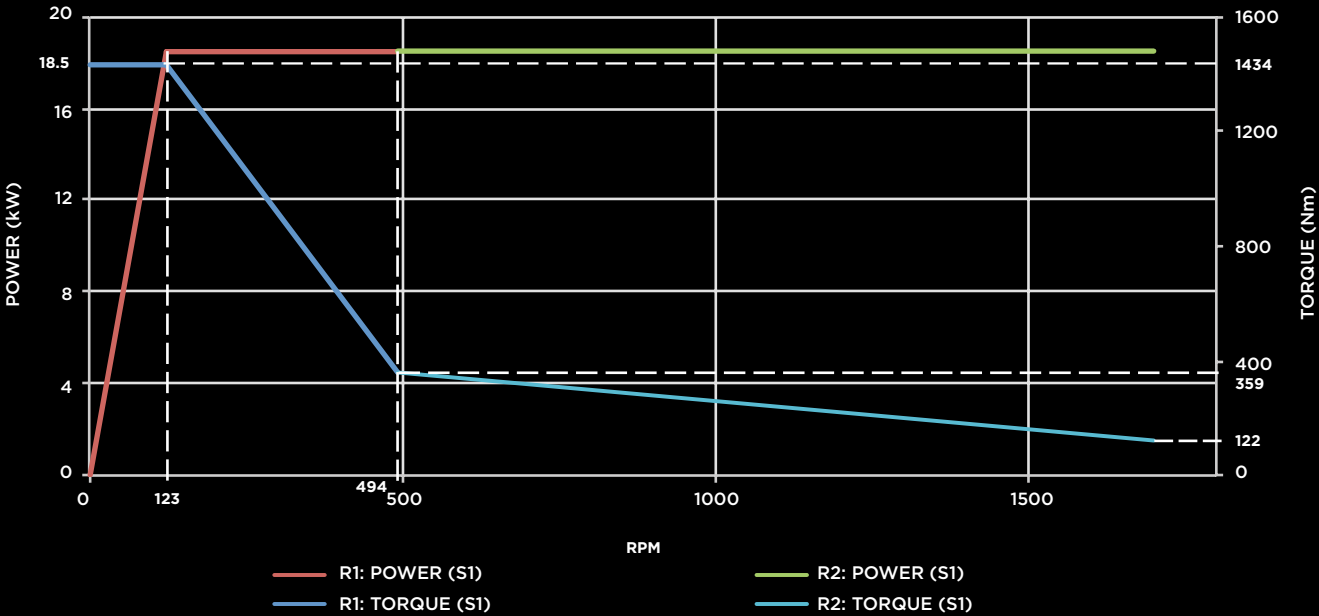


OPTIONAL EXTRAS

- Control Fagor 8060T, Siemens 828D
- Boring bar up to 360 mm
- High accuracy C-axis
- Y-axis
- Automatic and live tool 8 or 12 positions VDI or BMT
- Chucks with 3 and 4 jaws
- Hydraulic chuck and tailstock
- Fixed steady rests of various capacities
- Follow Rest
- Hydraulic Steady Rest
- Electric transformer
- Rear chuck
- Support for boring bars
- Live center
- Higher pressure coolant pump
- Chip conveyor
- Linear capacitance scales
- Anti-vibration kit
- Tool Presetter
- Electric panel cooler



STH-400							STH-500				
Working capacity											
Distance between centres		mm / in	1000 / 39 1/2	2000 / 78 3/4 3/4	3000 / 118	4000 / 157 1/2	5000 / 197	2000 / 78 3/4	3000 / 118	4000 / 157 1/2	5000 / 197
Bed width		mm / in	425 / 16 3/4					500 / 20			
Centre height		mm / in	400 / 15 3/4					500 / 19 3/4			
Ø max. swing over bed		mm / in	805 / 31 3/4					1010 / 39 3/4			
Ø max. swing over carriage		mm / in	720 / 28 1/4					900 / 35 1/4			
Ø max. over cross slide		mm / in	510 / 20 1/4					710 / 27 3/4			
Cross slide travel		mm / in	400 / 15 3/4					500 / 19 1/4			
Length inal carriage travel		mm / in	1000 / 39 1/2	2000 / 78 3/4	3000 / 118	4000 / 157 1/2	5000 / 197	2000 / 78 3/4	3000 / 118	4000 / 157 1/2	5000 / 197
Headstock											
Main motor power		kW	17					22			
Headstock main spindle bore <i>Valid for all centre distances</i>		mm / in	105 / 4	155 / 6		230 / 9		130 / 5	155 / 6	230 / 9	360 / 12 1/43/4
Main spindle nose		ASA	A2-8	A2-11		A2-15		A2-11	A2-11	A2-15	A2-20
Main spindle nose taper		MT	5	5		6		6	5	6	6
Speed ranges	Range I	r.p.m.	0-424	0-288		0-217		0-260	0-240	0-203	0-149
	Range II		424-1700	288-1000		217-750		260-1400	240-1000	203-750	149-560
X-axis, Z-axis											
Working feeds Z		m/min	0 – 8.5								
Working feeds X		m/min	0 - 6								
Rapid traverse Z		m/min	10								
Rapid traverse X		m/min	7.5								
Z - Ball screw, Ø/pitch		mm	50/10								
X - Ball screw, Ø/pitch		mm	32/5								
Tailstock											
Tailstock barrel Ø		mm / in	96 / 3 3/4					120 / 4 1/2			
Tailstock barrel travel		mm / in	215 / 8 1/4					300 / 11 3/4			
Tailstock Morse taper		MT	6								
Turret											
Stations of standard turret			8								
Tool shank		mm	32x32								
Ø Boring bar		mm	50								
Dimensions and Weight											
Length		mm	3290	4290	5290	6290	7290	4600	5600	6600	7600
Width		mm	2170					2190			
Height		mm	2090					2315			
Weight		kg	5460	5760	6460	7560	9060	6400	7600	8800	10000
Options											
Fixed steady rest Ø		mm	90 – 300					10 – 380			
Large capacity fixed steady rest Ø		mm	300 - 530					370 – 730			
Mobile Steady Rest Ø		mm	70 – 290					35 - 310			
Dimensions and Weight with packaging											
Length		mm	3490	4490	5490	6490	7490	4800	5800	6800	7800
Width		mm	2270					2290			
Height		mm	2290					2515			
Weight		kg	5810	6160	7110	8060	9610	6800	8050	9300	10550



> SLT

CNC Slant bed lathe

The SLT series are up to 3-axes horizontal turning centres designed to provide a complete customization and component specific solutions to customers. Tailor made solutions with maximum flexibility to produce parts when extra rigidity is needed.

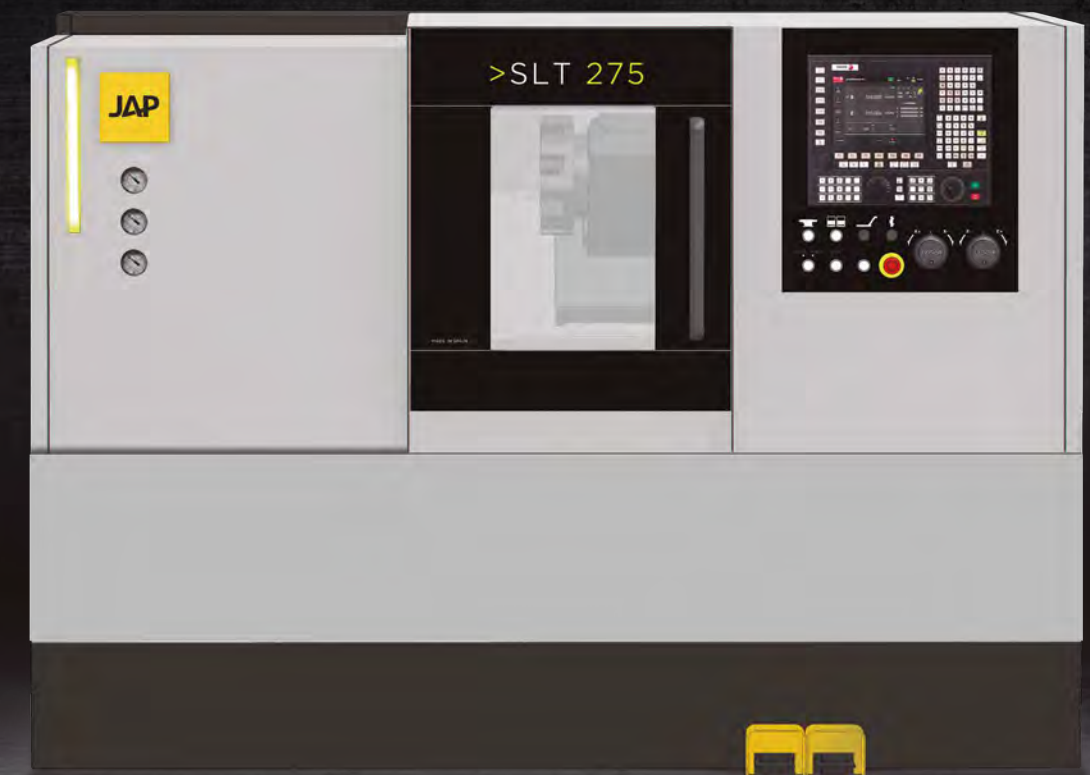
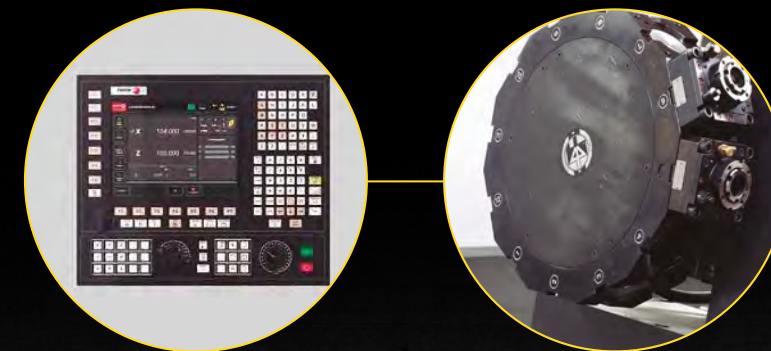
MODELS: SLT 275x640 > SLT 275x640 M

STANDARD EQUIPMENT

- Fagor 8058 Control
- Dynamic graphics / trajectory
- Profile editor
- Electronic handwheel for X and Z
- Main spindle A2-6 with bore Ø63 mm
- Hydraulic power chuck
- 8-position automatic turret
- Linear motion guides on both axis
- Dead center for tailstock
- Hydraulic tailstock
- Hydraulic system
- Coolant system (4 bar)
- Automatic lubrication system
- Heavy duty cast iron machine base
- Precision levelling bolts
- Work light
- Status signal light
- Control cabinet cooler with filtration
- Instruction manual
- CE standard

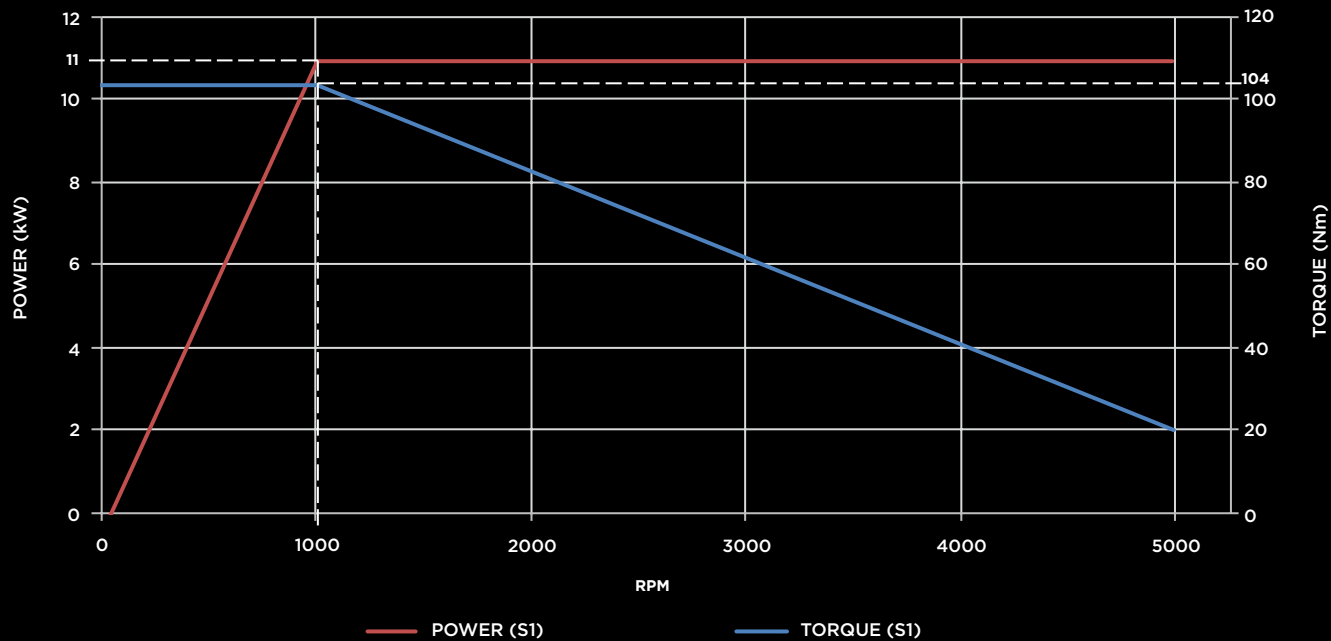
OPTIONAL EXTRAS

- Fanuc Control Oi-TF Plus, Siemens 828D
- Main spindle with Ø 74 and 86 bore
- C-axis
- Automatic live tool turret with 12 or 16 positions VDI or BMT
- Hydraulic chuck with larger bar pitch
- Transformer for other voltages
- Live center
- Chip conveyor
- Tool pre-setter
- Control cabinet refrigeration
- Anti-vibration kit
- Auto parts catcher
- Bar feeder

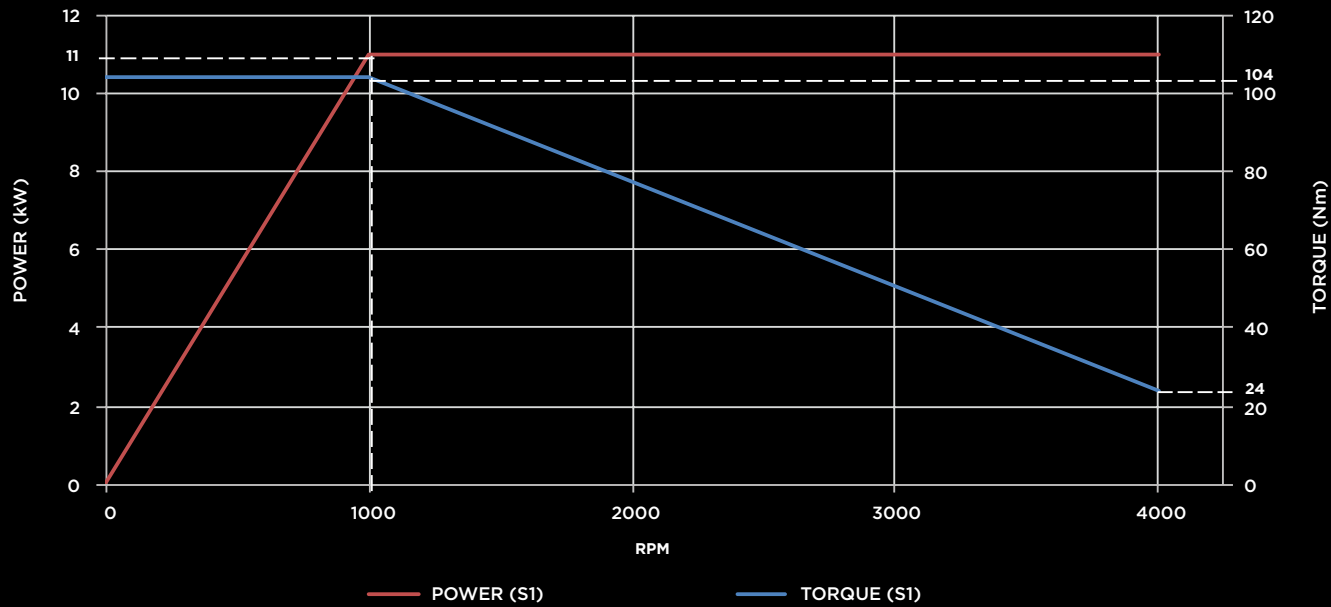


Working capacity		SLT 275x640		SLT 275x640 M	
Ø max. swing over bed	mm	550		550	
Ø max. swing over carriage	mm	260		210	
Ø max. turned	mm	350		272	
Max. turning length	mm	643		643	
Longitudinal carriage travel	mm	643		643	
Cross slide travel	mm	180		193	
Headstock					
Main motor power	FAGOR (S6/S1)	kW	15/11	15/11	
	FANUC (S3/S1)		11/7.5	11/9	
	SIEMENS (S6/S1)		10.2/9	14.4/12	
Headstock main spindle bore	mm	63		74	
Main spindle nose	ASA	A2-6		A2-6	
Ø max. bar capacity	mm	51		63	
Ø bearing	mm	100		110	
Max. Spindle speed	r.p.m.	5000		4000	
X-axis, Z-axis					
Rapid traverse Z	m/min	30			
Rapid traverse X	m/min	30			
Z - Ball screw, Ø/pitch	mm	32/10			
X - Ball screw, Ø/pitch	mm	32/10			
X - TORQUE MOTOR	FAGOR	Nm	6,3		
	FANUC	Nm	7	11	
	SIEMENS	Nm	11		
Z - TORQUE MOTOR	FAGOR	Nm	11,6		
	FANUC	Nm	7	11	
	SIEMENS	Nm	11		
Tailstock					
Tailstock barrel	mm	410			
Tailstock barrel Ø	mm	80			
Tailstock barrel travel	mm	100			
Tailstock Morse taper	MT	4			
Turret					
Standard turret		PRAGATI HTP-80		SAUTER 0.5.436.216	
Turret type		HIDRAULICA		SERVO	
Stations of standard turret		8		12	
Tool shank	mm	25X25		20X20	
Ø Boring bar	mm	40		32	
Cooling system					
Coolant pump	bar	4			
Tank capacity	l	150			
Hydraulic system					
Hydraulic pump capacity	l.p.m.	14			
Tank capacity	l	45			
System pressure	Kg/cm²	30			
Dimensions and weight (chip conveyor included)					
Length	mm	2460		2590	
Width	mm	1950		1950	
Height	mm	1740		1740	
Weight	kg	3625		4000	
Dimensions and weight with packaging					
Length	mm	2660		2790	
Width	mm	2050		2050	
Height	mm	1940		1940	
Weight	kg	3925		4300	

SLT-275 > FAGOR



SLT-275M > FAGOR



Metosa Showroom: professionals at the service of professionals

In the METOSA GROUP facilities we have a large Showroom of 2,000 square meters where our Clients can go through the evolution of our lathes and see in detail the model that best suits their business needs. It will always be attended by qualified technical personnel who will be able to solve any doubt that could arise.

1 Presentation

This multifunctional room allows to carry out acts of presentation of the new models, of the different activities of our commercial brands, etc.

All the models we manufacture are on permanent display, so that who visits the factory can see all the lathes and the differences between them.

2 Training

The training courses are taught by our qualified technicians, very experienced teachers who know every corner and performance of the lathe. They are designed for Customers and Distributors of our brand. Additionally, we provide workshops and updating-days for our own staff in order to keep up to date with the technologic novelties.

3 Product Launches

Every time a new model is launched on the market, we make an official presentation in which we bring together Clients, staff, personalities and the sectorial press.

It is another way of being permanently close to the industrial environment in which we move.



product
made in
Spain

presence
in 80 countries

+100
distributors
worldwide



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Austria
Belgium
Bulgaria
Croatia
Czech Republic
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Ireland
Italy
Latvia
Lithuania
Norway
Poland
Portugal
Romania
Russia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
Ukraine
United Kingdom

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Canada
Chile
Colombia
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Cuba
Ecuador
El Salvador
Guatemala
Mexico
Nicaragua
Peru
United States
Uruguay
Venezuela

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India
Indonesia
Iraq
Israel
Jordan
Korea
Malaysia
Mauritius
Oman
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Thailand
United Arab Emirates
Vietnam

AFRICA

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Morocco
South Africa
Tunisia

CE certificate for all
products manufactured
by Grupo Metosa.

JAP is a registered trademark of:



www.metosagroup.com

JAP

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