

# 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.

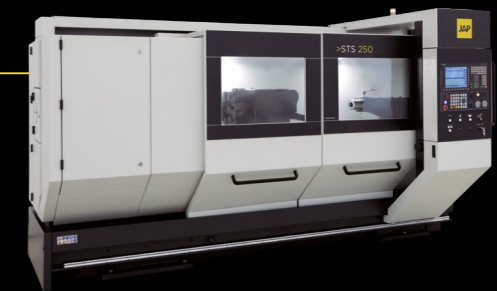
SMS 200 | SMS 250 | SMS 325



### > 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.

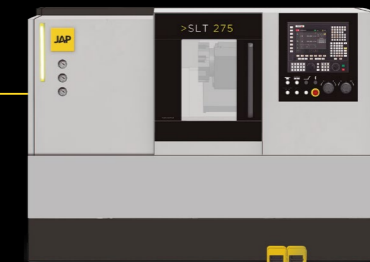
STH 400 | STH 500



### > 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.

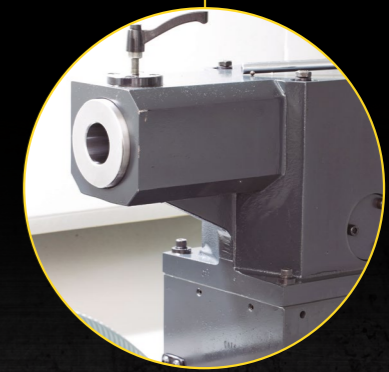
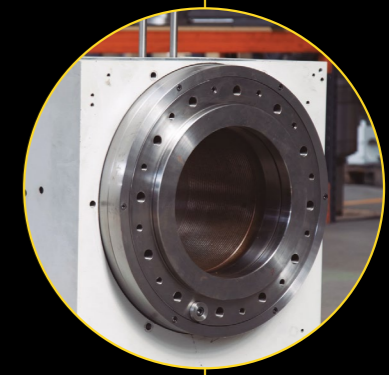
**MODELS:** MLS-200 > MLS-250 > MLS-400

### 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



		MLS-200		MLS-250			MLS-400					
<b>Working capacity</b>												
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	

		MLS-200		MLS-250			MLS-400					
<b>Headstock</b>												
Main motor power	kW	7,5		15			17					
Headstock main spindle bore <small>Valid for all center distances</small>	mm / in	42 / 1 1/2		58 / 2 1/4	105 / 4	105 / 4	155 / 6	230 / 9				
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		6	5	5			6			
Speed ranges	Range I	0 - 4000		0 - 3000	0 - 2500	0 - 424	0 - 288	0 - 217				
	Range II					424 - 1700	288 - 1000	217 - 750				

		MLS-200		MLS-250			MLS-400					
<b>X-axis, Z-axis</b>												
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					

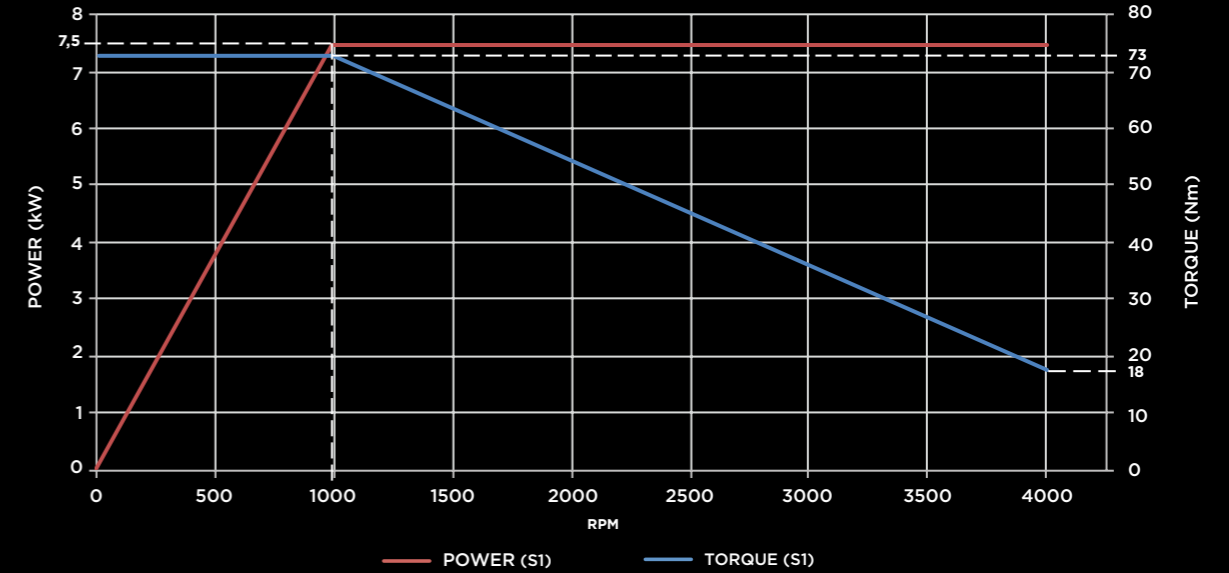
		MLS-200		MLS-250			MLS-400					
<b>Tailstock</b>												
Tailstock barrel Ø	mm / in	68 / 2 1/2		95 / 3 3/4			106 / 4					
Tailstock barre travel	mm / in	200 / 7 3/4		220 / 8 1/2			215 / 8 1/2					
Tail stock Morse taper	MT	4		5			6					

		MLS-200		MLS-250			MLS-400					
<b>Dimensions and Weight</b>												
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	

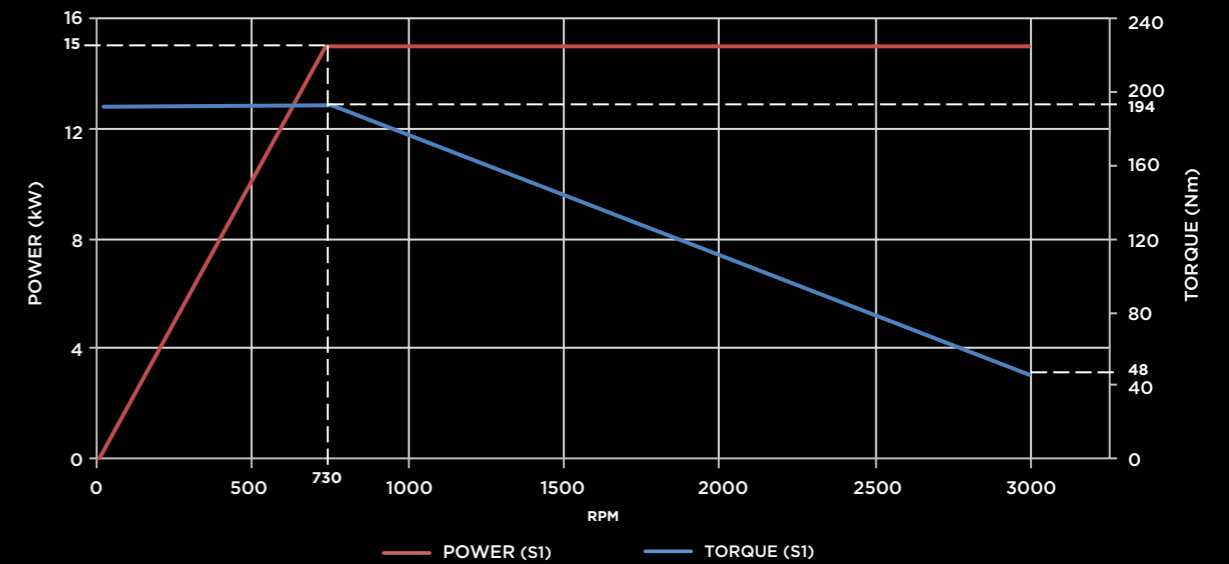
		MLS-200		MLS-250			MLS-400					
<b>Options</b>												
Fixed steady rest Ø	mm	10 - 125		10 - 140			10 - 380					
Large capacity fixed steady rest Ø	mm	110 - 200		140 - 300			370 - 730					
Follow rest Ø	mm	10 - 80		10 - 100			35 - 310					

		MLS-200		MLS-250			MLS-400					
<b>Dimensions and Weight with packaging</b>												
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	

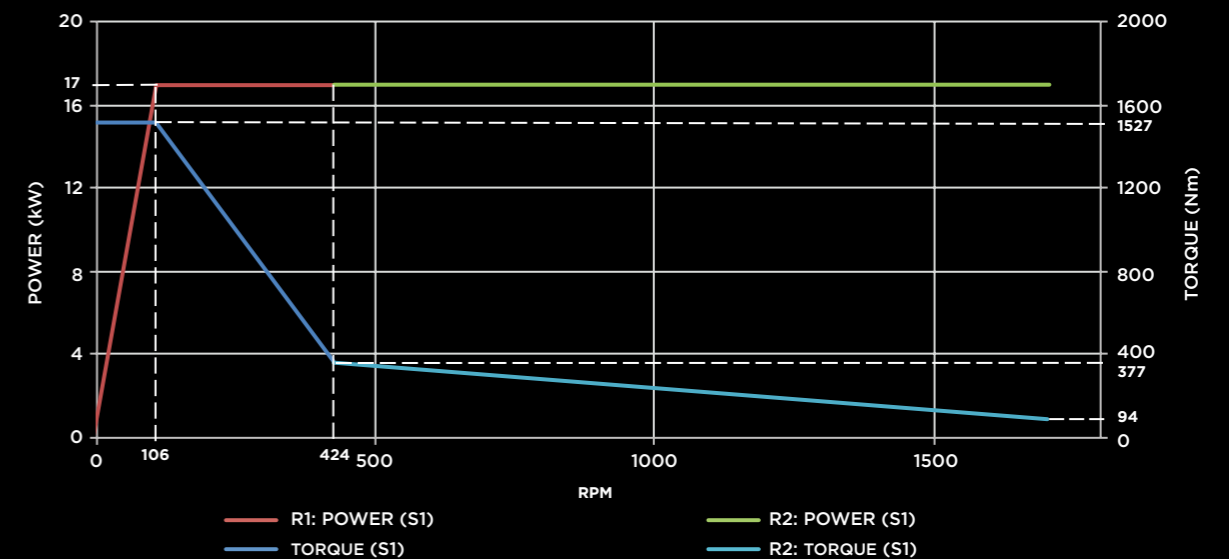
### MLS-200



### 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

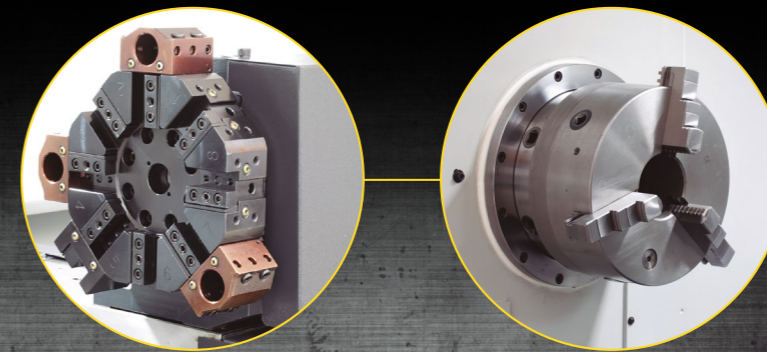


### STANDARD EQUIPMENT

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

Headstock		kW		5,5				7,5		
Main motor power		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 - 6 / D1 - 6				A2 - 8 / D1 - 8		
Main spindle nose taper	MT	4		6				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		m/min		0 - 7				0 - 5		
Working feeds Z	Siemens			0 - 7				0 - 5		
	Fagor			0 - 10				0 - 8.5		
Working feeds X	Siemens			0 - 8.5				0 - 4		
	Fagor			0 - 12				0 - 6		
Rapid traverse Z	Siemens			9				6.5		
	Fagor			12.5				10		
Rapid traverse X	Siemens			10				5		
	Fagor			15				7.5		
Z - Ball screw, Ø/pitch	mm			40 / 10				50 / 10		
X - Ball screw, Ø/pitch	mm			20 / 5				32 / 5		

Tailstock		mm / in		95 / 3 3/4				106 / 4		
Tailstock barrel Ø		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		

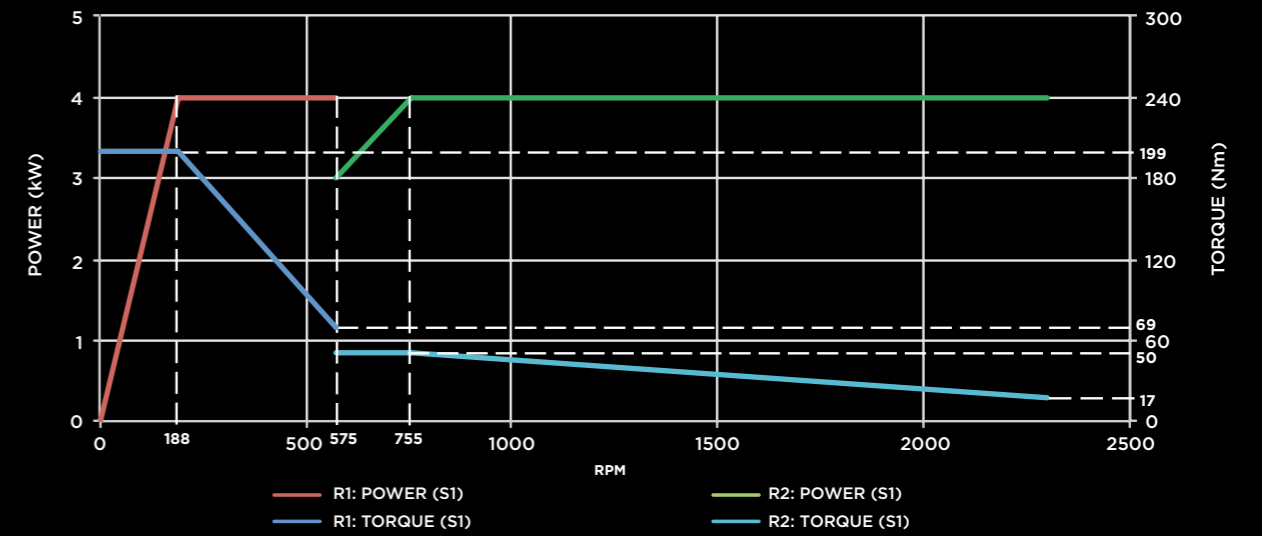
Turret		mm		32x32				32x32		
Manual turret				32x32				32x32		
Tool shank		25x25		32x32				32x32		
Ø Boring bar	mm	20		25				25		

Dimensions and Weight		mm		3850				5290		
Length		2800	3350	2810	3525	3850	4750	3290	4290	5290
Width		1270		1370				2170		
Height		1890		1910				2090		
Weight	kg	1670	1980	1850	2200	2600	3200	5460	5760	6560

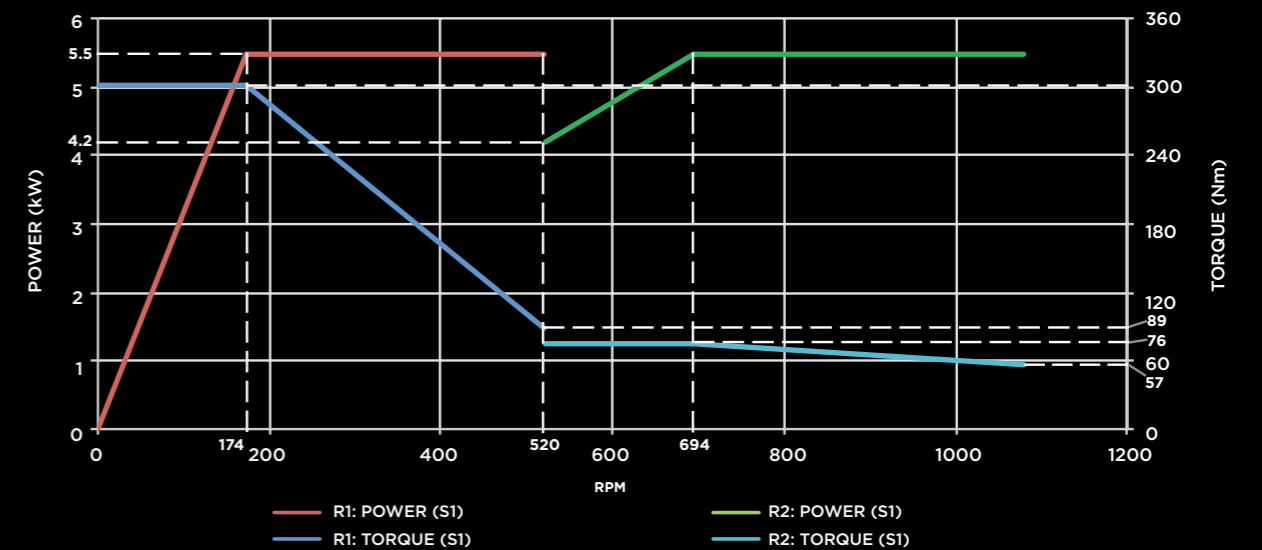
Options		mm		10 - 140				55 - 180		
Fixed steady rest Ø		10 - 125		10 - 140				55 - 180		
Large capacity fixed steady rest Ø		110 - 200		140 - 300				180 - 400		
Mobile Steady Rest Ø		10 - 80		10 - 90				10 - 140		

Dimensions and Weight with packaging		mm		3950				5390		
Length		2900	3450	2910	3625	3950	4850	3390	4390	5390
Width		1470		1570				2370		
Height		2080		2100				2180		
Weight	kg	1970	2280	2250	2600	3000	3600	5860	6160	6960

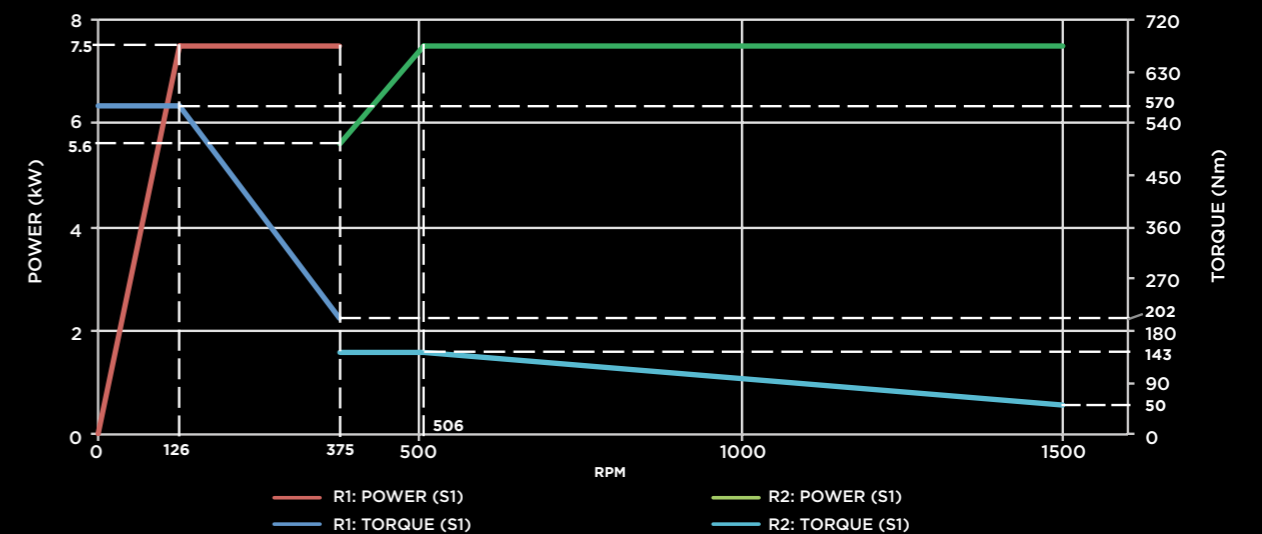
### SMS-200/42



### SMS-250/58



### SMS-325/80



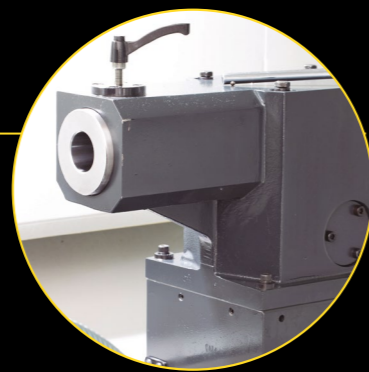
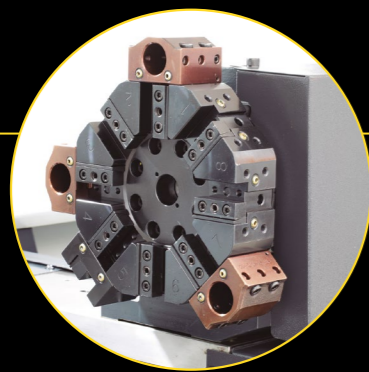
# > STS

## 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

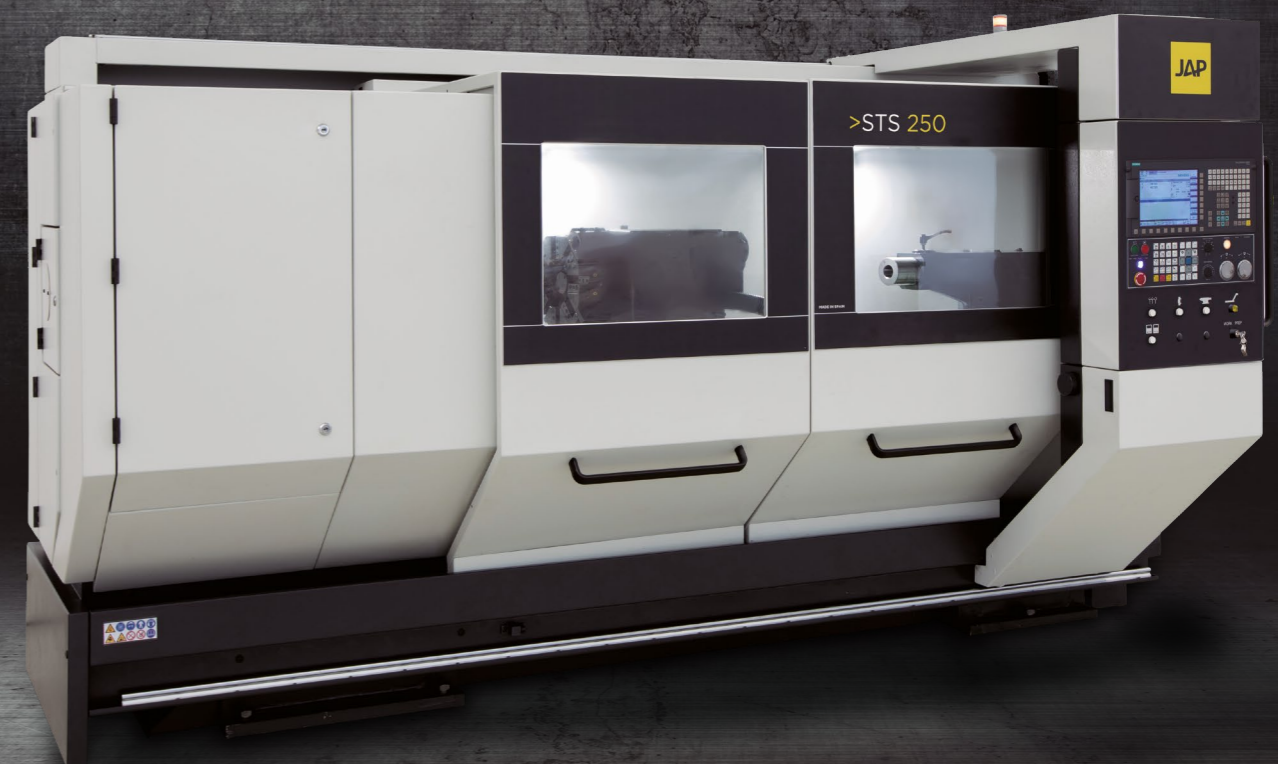
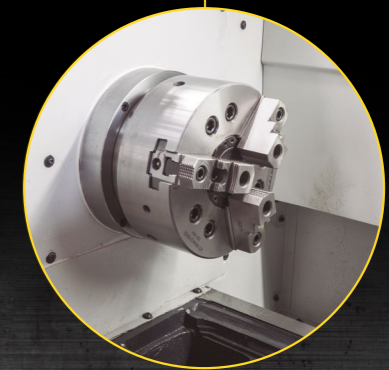


### STANDARD EQUIPMENT

- 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





		STS-200		STS-250			STS-350			
<b>Working capacity</b>										
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

<b>Headstock</b>				STS-200			STS-250			STS-350			
Main motor power	Fagor			7.5			15			15			
	Fanuc	kW		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

<b>X-axis, Z-axis</b>				STS-200			STS-250			STS-350		
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					

<b>Tailstock</b>				STS-200			STS-250			STS-350		
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					

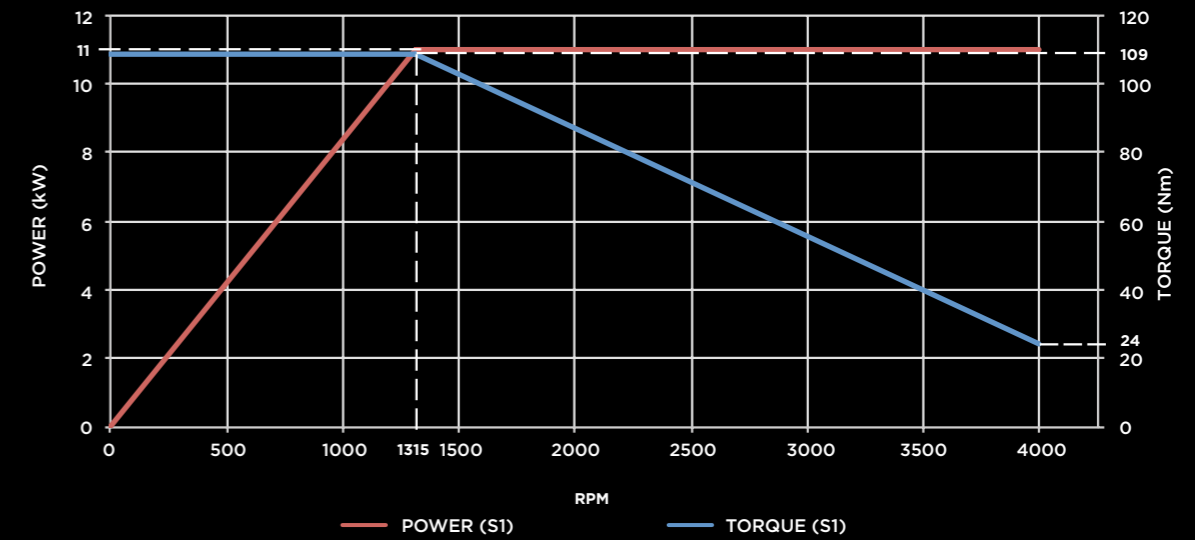
<b>Turret</b>				STS-200			STS-250			STS-350		
Stations of standard turret		8			8							
Tool shank	mm	25x25			25x25							
Ø Boring bar	mm	32			40							

<b>Dimensions and Weight</b>				STS-200			STS-250			STS-350		
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		

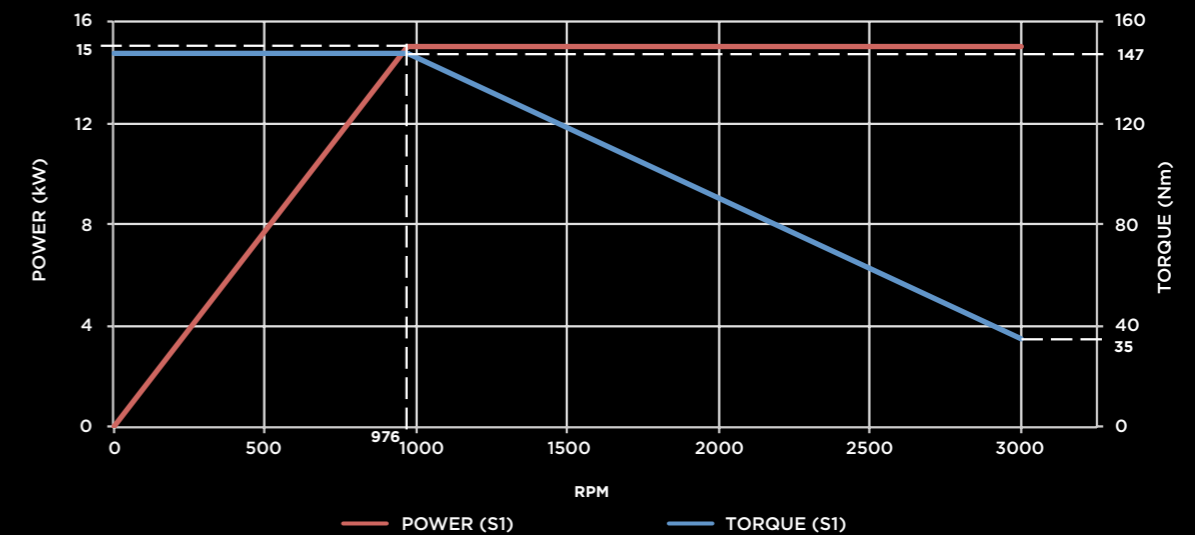
<b>Options</b>				STS-200			STS-250			STS-350		
Fixed steady rest Ø	mm	10 - 125			10 - 140			55 - 180				
Large capacity fixed steady rest Ø	mm	110 - 200			140 - 250			180 - 400				
Mobile Steady Rest Ø	mm	10 - 80			10 - 90			10 - 130				

<b>Dimensions and Weight with packaging</b>				STS-200			STS-250			STS-350		
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		

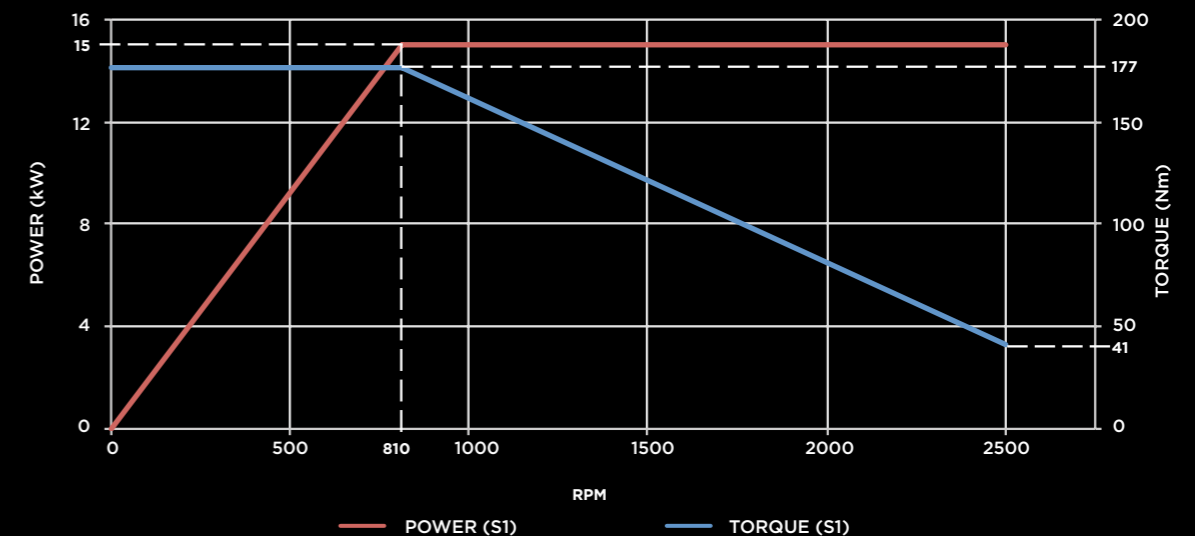
### STS-200/42 > FANUC



### STS-250/65 > FANUC



### STS-350/80 > FANUC



# > 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

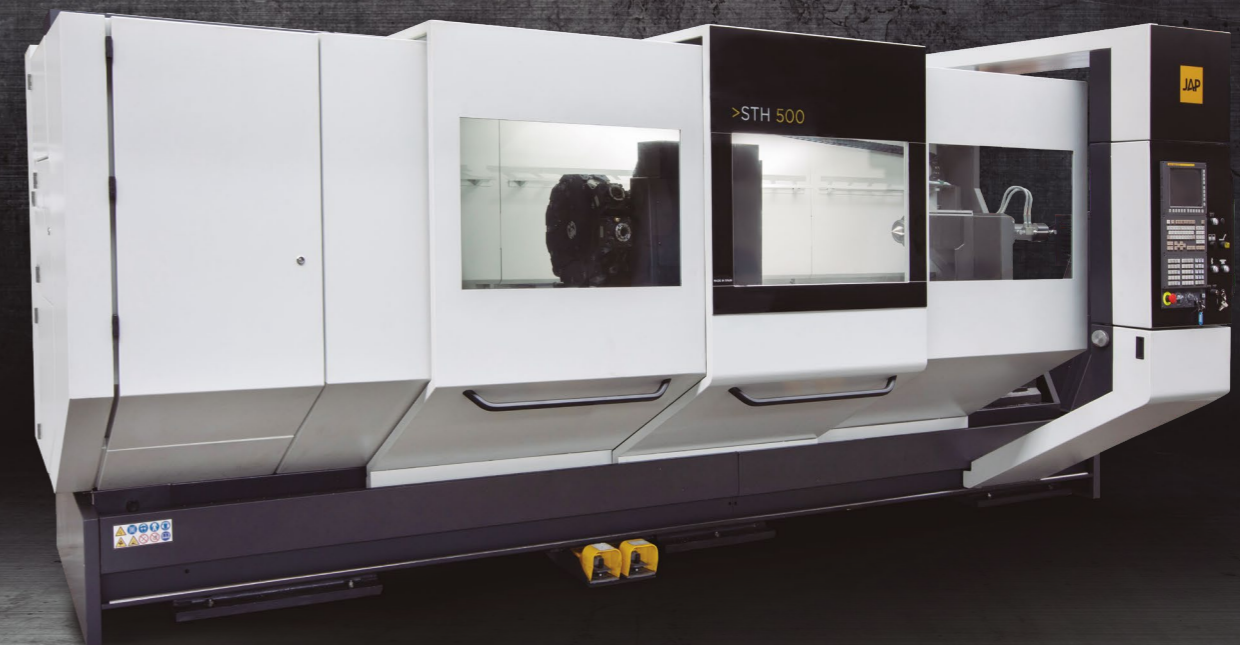
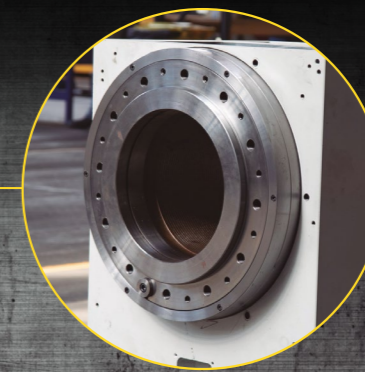
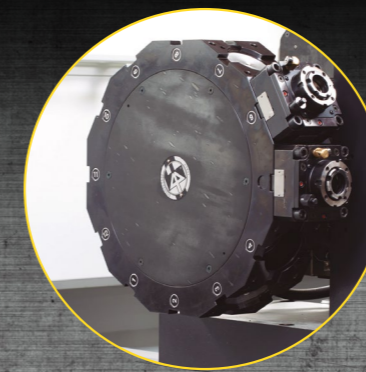
### STANDARD EQUIPMENT

- 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

		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
Distance between centres	mm / in									
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				400 / 15 3/4				
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

		17				22				
Main motor power	kW									
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	310 / 12 1/4 3/4		
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	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

		3610	4610	5610	6610	7610	4610	5610	6610	7610
Length	mm									
Width	mm	2170				2190				
Height	mm	2090				2315				
Weight	kg	5460	5760	6460	7560	9060	6400	7600	8800	10000

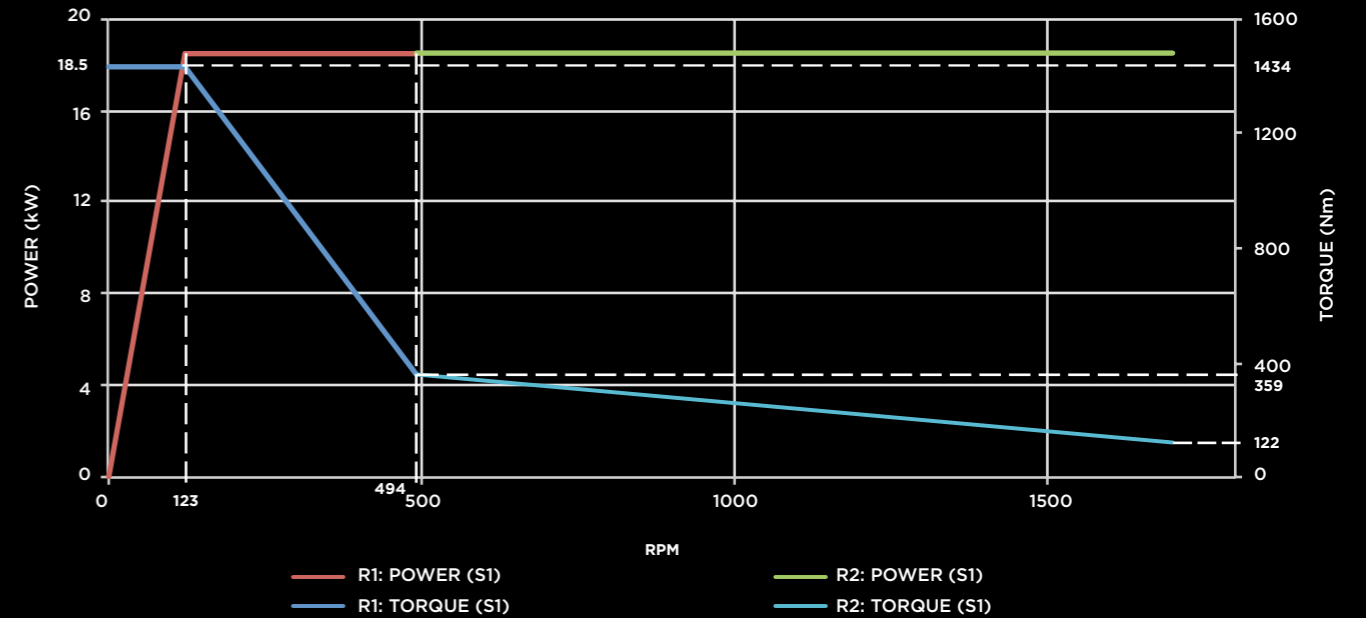
#### Options

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

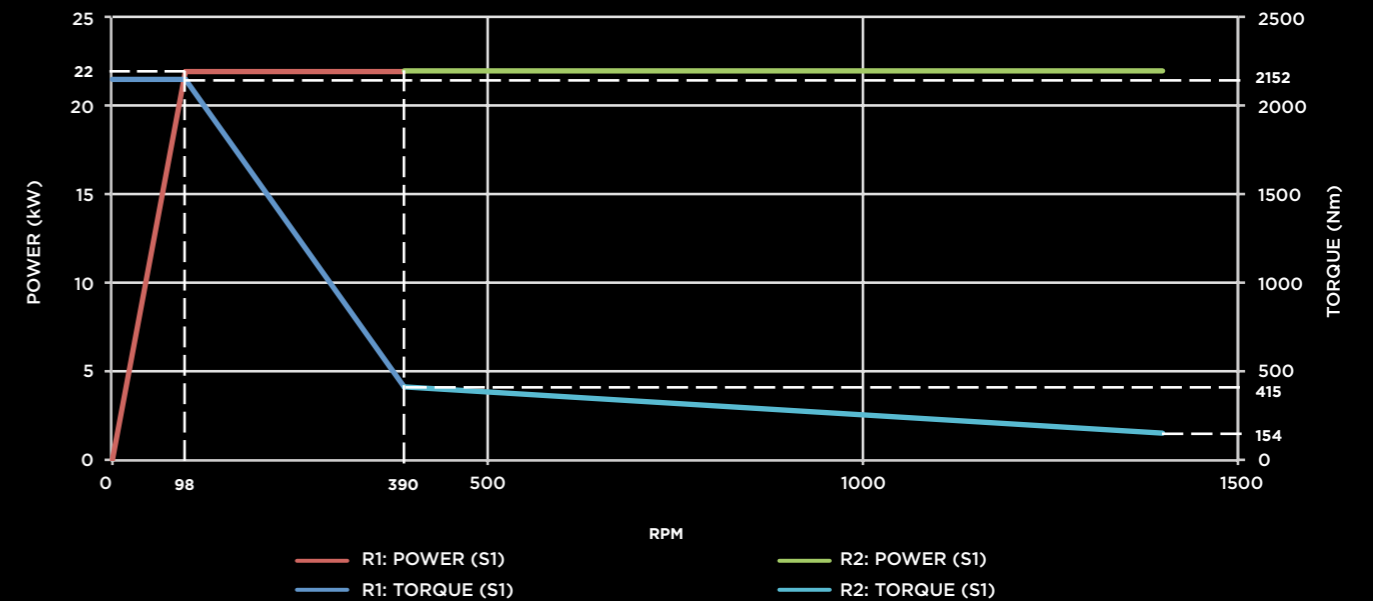
#### Dimensions and Weight with packaging

		4150	5150	6150	7150	8150	5150	6150	7150	8150
Length <i>(with transport cradle)</i>	mm									
Width	mm	2270				2290				
Height	mm	2290				2515				
Weight	kg	5810	6160	7110	8060	9610	6800	8050	9300	10550

## STH-400/105 > FANUC



## STH-500/130 > FANUC



# > 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.

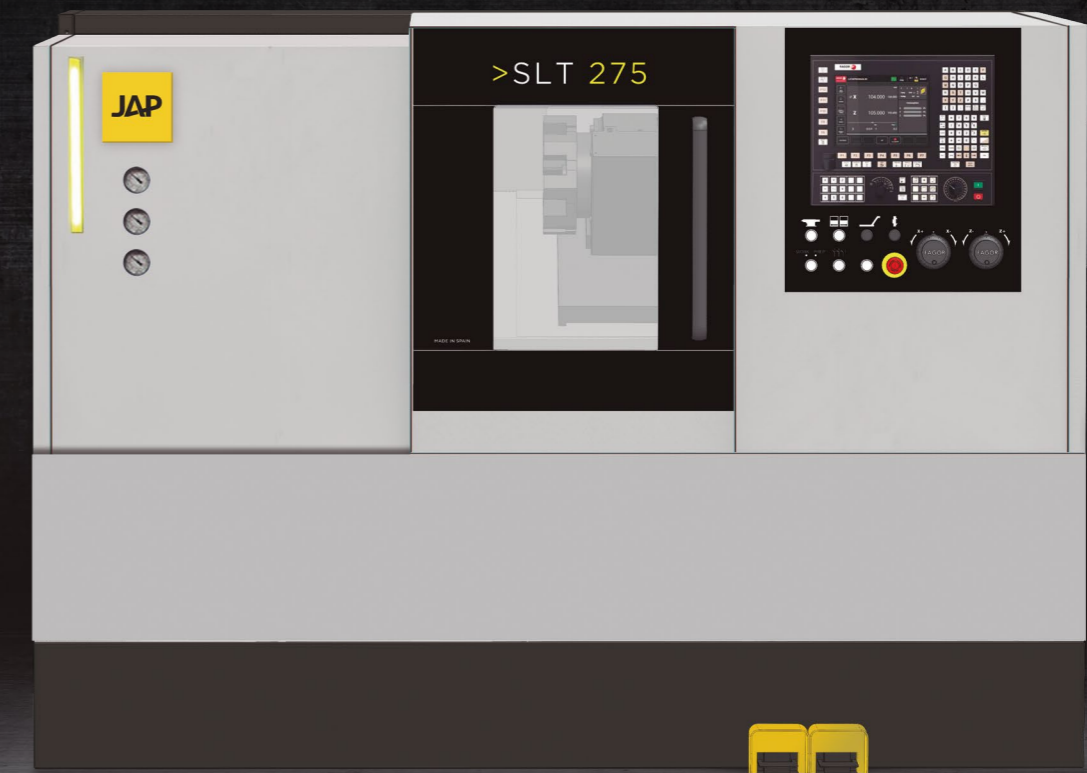
**MODELS:** SLT 275x640 > SLT 275x640 M

### STANDARD EQUIPMENT

- Fagor 8058 Control
- Dynamic graphics / trajectory
- Profile editor
- Electronic handwheel for X and Z
- Main spindle A2-6 with bore  $\varnothing 63$  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  $\varnothing 74$  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



### SLT 275x640

### SLT 275x640 M

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			SLT 275x640	SLT 275x640 M
Main motor power	FAGOR (S6/S1)		15/11	15/11
	FANUC (S3/S1)	kW	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			SLT 275x640	SLT 275x640 M
Rapid traverse Z	m/min		30	30
Rapid traverse X	m/min		30	30
Z - Ball screw, Ø/pitch	mm		32/10	32/10
X - Ball screw, Ø/pitch	mm		32/10	32/10
X - TORQUE MOTOR	FAGOR	Nm	6,3	11
	FANUC	Nm	7	11
	SIEMENS	Nm	11	11
Z - TORQUE MOTOR	FAGOR	Nm	11,6	11
	FANUC	Nm	7	11
	SIEMENS	Nm	11	11

Tailstock			SLT 275x640	SLT 275x640 M
Tailstock barrel	mm		410	410
Tailstock barrel Ø	mm		80	80
Tailstock barrel travel	mm		100	100
Tailstock Morse taper	MT		4	4

Turret			SLT 275x640	SLT 275x640 M
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

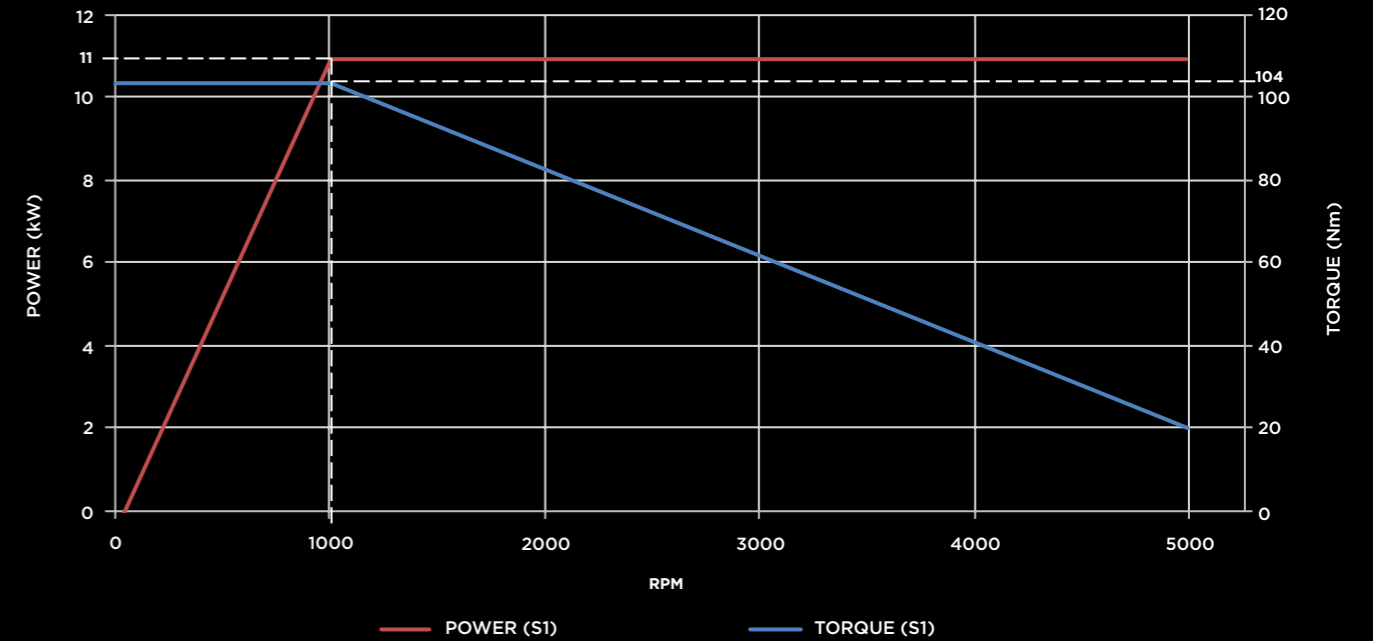
Cooling system			SLT 275x640	SLT 275x640 M
Coolant pump	bar		4	4
Tank capacity	l		150	150

Hydraulic system			SLT 275x640	SLT 275x640 M
Hydraulic pump capacity	l.p.m.		14	14
Tank capacity	l		45	45
System pressure	Kg/cm <sup>2</sup>		30	30

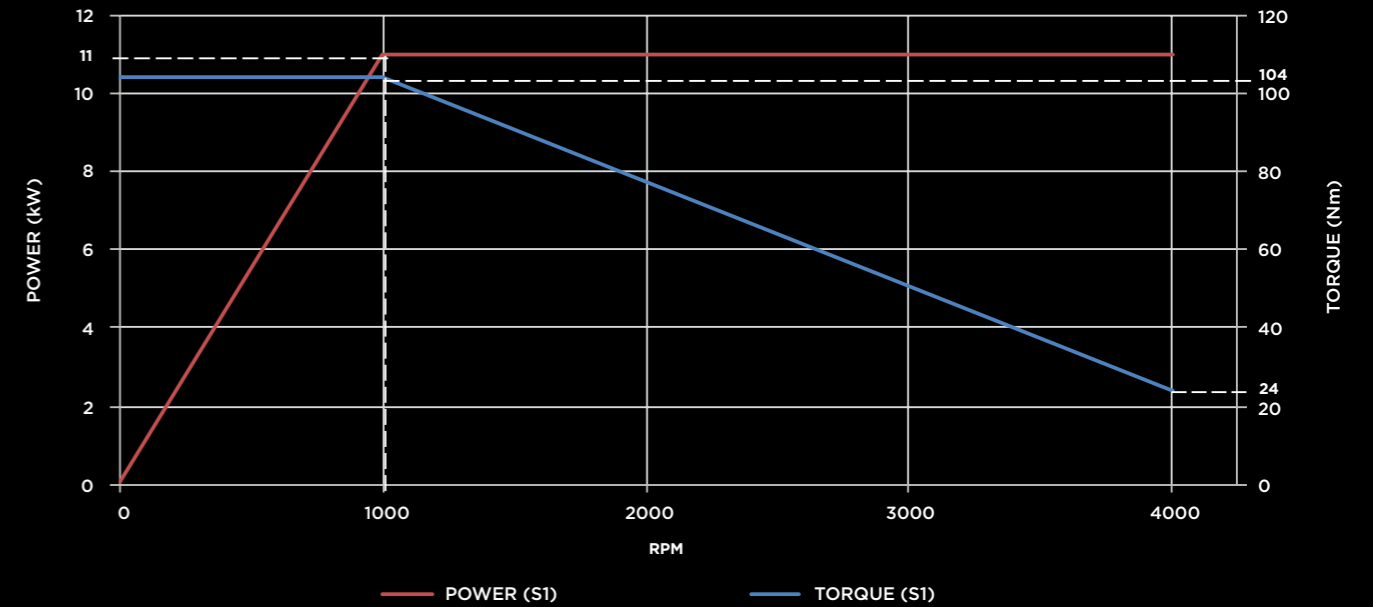
Dimensions and weight (chip conveyor included)			SLT 275x640	SLT 275x640 M
Length	mm		2460	2590
Width	mm		1950	1950
Height	mm		1740	1740
Weight	kg		3625	4000

Dimensions and weight with packaging			SLT 275x640	SLT 275x640 M
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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Greece  
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Ireland  
Italy  
Latvia  
Lithuania  
Norway  
Poland  
Portugal  
Romania  
Russia  
Slovakia  
Slovenia  
Spain  
Sweden  
Switzerland  
Turkey  
Ukraine  
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Ecuador  
El Salvador  
Guatemala  
Mexico  
Nicaragua  
Peru  
United States  
Uruguay  
Venezuela

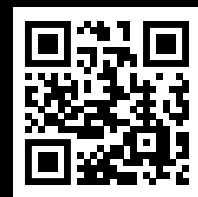
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CE certificate for all  
products manufactured  
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[www.metosagroup.com](http://www.metosagroup.com)

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