



# SANDS

**HIGH PERFORMANCE  
SLANT BED TURNING CENTERS**

	MODEL	SLT 135	SPECTRATURN	SUPERTURN	SLT 200H	SLT 200 EX
<b>Capacity</b>	Chuck dia (mm)	135	165	165 / 200	200 / 250	200 / 250
	Max. turning dia (mm)	180	250	260	290	390
	Max. turning Length from chuck face (mm)	270	290	390	500	500
	Swing over Bed (mm)	370	410	500	520	520
<b>Axis Travel</b>	LM Guide width (mm) X / Z	25/25	30/30	35/35	35/35	35/35
	Axis motor torque (nm) X / Z	4/4	8/8	8/8	8/8	8/8
	X axis stroke (mm)	140	170	170	180	225
	Z axis stroke (mm)	280	305	440	540	540
	Rapid traverse (met / min)	26	30	30	30	30
	Ball screw dia x pitch & class (mm)	25 x 10 P C3	32 x 10 P C3	32 x 10 P C3	32 x 10 P C3	32 x 10 P C3
	Positioning accuracy (mm)	0.008	0.008	0.008	0.008	0.008
<b>Spindle</b>	Repeatability (mm)	±0.003	±0.003	±0.003	±0.003	±0.003
	Spindle nose	A2 - 4	A2 - 5	A2 - 5	A2 - 6	A2 - 6
	Max. Spindle speed (RPM)	4000	4000	4000	3000 / 4000	3000 / 4000
	Max. Bar Capacity (mm)	25	42	42	51	51
	Spindle power cont. / 15 min rating Fanuc (kW)	3.7/5.5	5.5/7.5	5.5/7.5 7.5/11	7.5/11 / 11/15	7.5/11 / 11/15
	Spindle power cont. / 15 min rating Siemens (kW)	3.7/5.6	5.5/7.0	5.5 / 7.0 7/10.5	7.0/10.5 / 9/13.5	7.0/10.5 / 9/13.5
<b>Tooling</b>	Turret (Pragathi BTP, Cosmos CHT)	BTP 63	CLT63	BTP 80 / CHT 80	BTP 80 / CHT 80	BTP 80 / CHT 80
	Tool shank cross section(mm)	20 x 20	25 x 25	25 x 25	25 x 25	25 x 25
	Max. boring bar capacity (mm)	32	40	40	40	40
<b>Tail Stock</b>	Quill diameter (mm)	40	70	80	90	90
	Quill stroke (mm)	90	100	120	130	130
	Internal taper	MT3	MT4	MT4	MT4	MT4
	Base travel	160	310	350	400	400
<b>Power Req'd.</b>	Continuous / 15 min rating (kVA)	8/10	10/12.5	10/12.5 / 12.5/15	12/15 / 20/25	12/15 / 20/25
<b>Weight</b>	Kgs. (Approx)	2100	2600	3500	4000	4220

Fanuc Oi TF Plus / Siemens Sinumerik 828D

Control System Features :

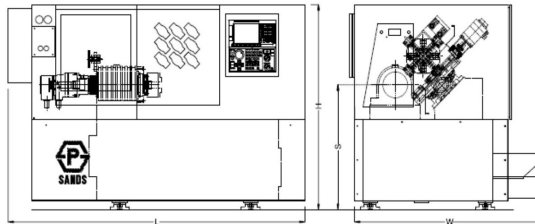
Manual data input  
2 axes simultaneous interpolation  
Part program storage & editing  
Constant surface speed control  
Tool nose radius compensation  
Circular interpolation  
Turning cycles  
Thread cutting cycle  
Direct drawing dimension programming  
Absolute / Incremental programming  
PCMCIA card and USB slot on front panel  
Backlash compensation  
Graphic simulation  
Electronic hand wheel (MPG)  
10.4" color TFT display  
Run hour display  
Part count

#### OPTIONAL FEATURES

12 station turret  
Tailstock with built in center(Live center)  
Servo voltage stabiliser  
Bar feeding attachment  
Bar puller  
Part catcher  
Collet chuck  
Chip conveyor with bin  
Hyd. steady rest  
C axis for spindle  
Higher spindle power  
Fully toolod - up machine  
Auto loader  
Auto door  
Linear scales for axes

#### STANDARD FEATURES

8 Station bi-directional turret  
Hydraulic chuck and actuator  
Hydraulic tailstock  
Hydraulic power pack  
A C spindle motor  
A C servo axes motors  
Precision ball screws  
Precision linear motion guide ways  
Coolant tank with rear chip tray  
Isolation transformer  
LED machine lamp  
Panel air conditioner  
3 tier LED patrol lamp  
Leveling pads



MODEL	Length L	Width W	Height H	Spindle Height S
SLT 135	2050	1225	1520	920
SPECTRATURN	2175	1260	1550	930
SUPERTURN	2300	1400	1600	970
SLT 200H	2500	1500	1600	1000
SLT 200 EX	2500	1500	1710	1000



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The specifications mentioned in this catalogue may be changed without notice owing to continuous upgradation of the products.

**SANDS PRECISION (P) LTD.,**