

PMT Machines Limited

AN ISO 9001 : 2008 COMPANY

| Expanding Horizons...



Supercut 25

HEAVY DUTY FLAT BED CNC TURNING LATHE

Three guideway heavy duty flat bed CNC lathes

Robust spindle with big bore nose size : A2-15 / A2-20

Suitable for heavy duty rotor and shafts

Integral flame hardened and precision ground guideways

Wide span guideways - separate for tailstock and saddle movement

Precision ball-screw Fixed-Fixed, pre-stretched mounting - higher stiffness & accuracy

Chip conveyor along the machine

Latest FANUC or Siemens CNC system

3000/5000 ABC

SPECIFICATIONS : 3000/5000 ABC SUPERCUT 25

Capacity:	Unit	3000ABC	5000ABC
Chuck size Max. (Manual)	mm	1000	1200
Turning length between centre	mm	3000	5000
Max Turning diameter between centre	mm	800*	1600*
Swing over cross slide	mm	800	1600
Swing over bed ways	mm	1200	1700
Bed guideway type	Type	Flat	Flat
Number bed guideway type	nos	3	3

Headstock:

Spindle nose	-	A2-15	A2-20
Hole through spindle	mm	150	250
Front bearing dia	mm	230	396
Spindle speed range	rpm	20-800	10-500
Constant power speed range	rpm	Refer speed-power graph	
Spindle motor power cont / 30min	kW	Fanuc 30/47, Siemens 39/58kW	
Spindle centre height	mm	600	850

Axes:

X-axis stroke	mm	600	600
Z-axis stroke	mm	3000	5000
Ball-screw dia & Pitch	mm	Dia 40x10P(X), Dia 63X10P(Z)	
Axes motor power and torque	Nm	Fanuc 30Nm/Siemens 27Nm	
Rapid rate	m/min	10 (X), 06 (Z)	
Feed rate	mm/min	2500	2500

Turret & Tooling's:

Turret type	-	EM / SERVO / 4 position fixed	
Number of stations	-	12 / 8 / 4-fixed	
Positioning Accuracy	deg	+/-6"	+/-6"
Repeatability	deg	+/-2"	+/-2"
Type of Disc	-	Oct - Slotted wedge type	
Turning tool size	mm	40 x 40	
Boring bar size	mm	Dia 50 / Dia 60	

Tailstock:

Quill diameter	mm	160 / 250	
Tailstock centre	-	Metric-80 / A2-6	
Quill movement	mm	150	150
Tailstock travel	mm	2000	4000
Maximum thrust at 25 bar	N	20,000	20,000

Tank Capacity:

Coolant tank with chip conveyor	ltr	300	300
Hydraulic tank capacity	ltr	50	50

Machine Size & Weight:

Lx Wx H(approx)	M	8(3M)/10(5M) x 4 x 3 Height	
Weight (approx) Co. chip conveyor	kg	16000	20000

CNC System:

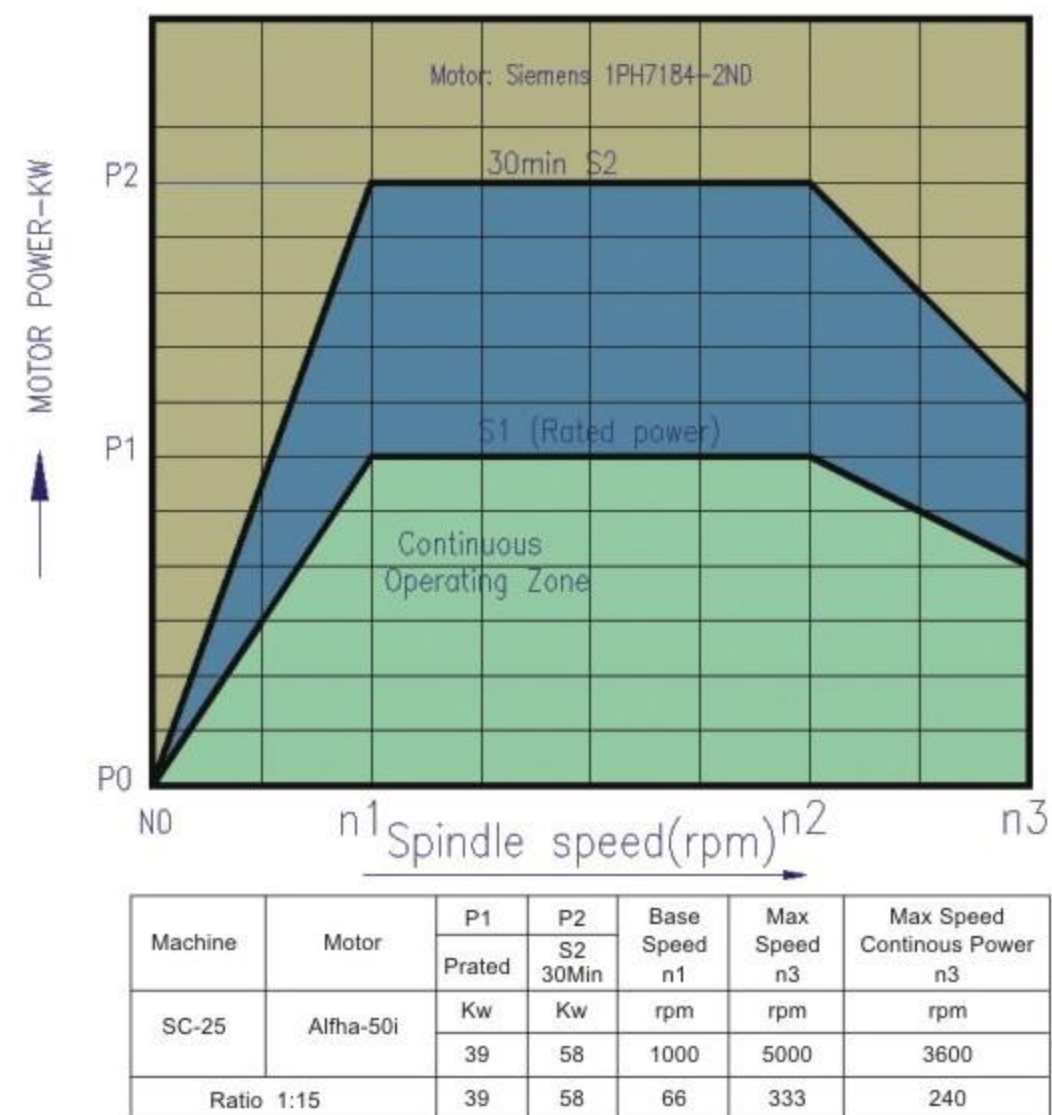
		Fanuc /Siemens
No. of axes	-	2
Electricals	-	415V, 3Phase, 50Hz
Control voltage	-	24V DC
Total connected load (Approx)	KVA	40

Accuracies:

Positioning accuracy x/z	mm	0.01(X)/0.015/300(Z)	
Repeatability accuracy x/z	mm	+/- 0.004	+/- 0.006

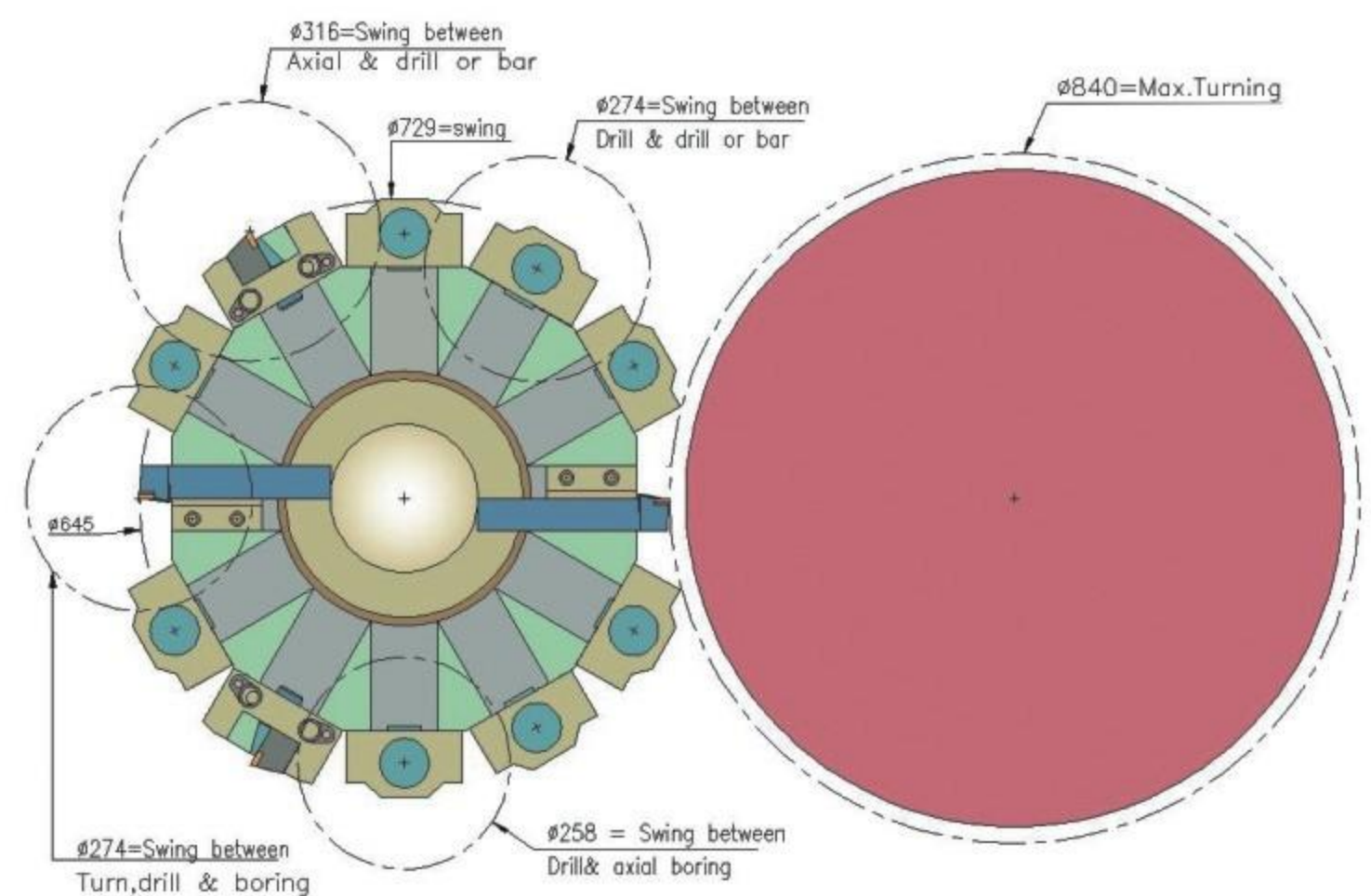
Note : All specifications in this catalogue are subject to change without notice.

POWER SPEED DIAGRAM



Further details on request

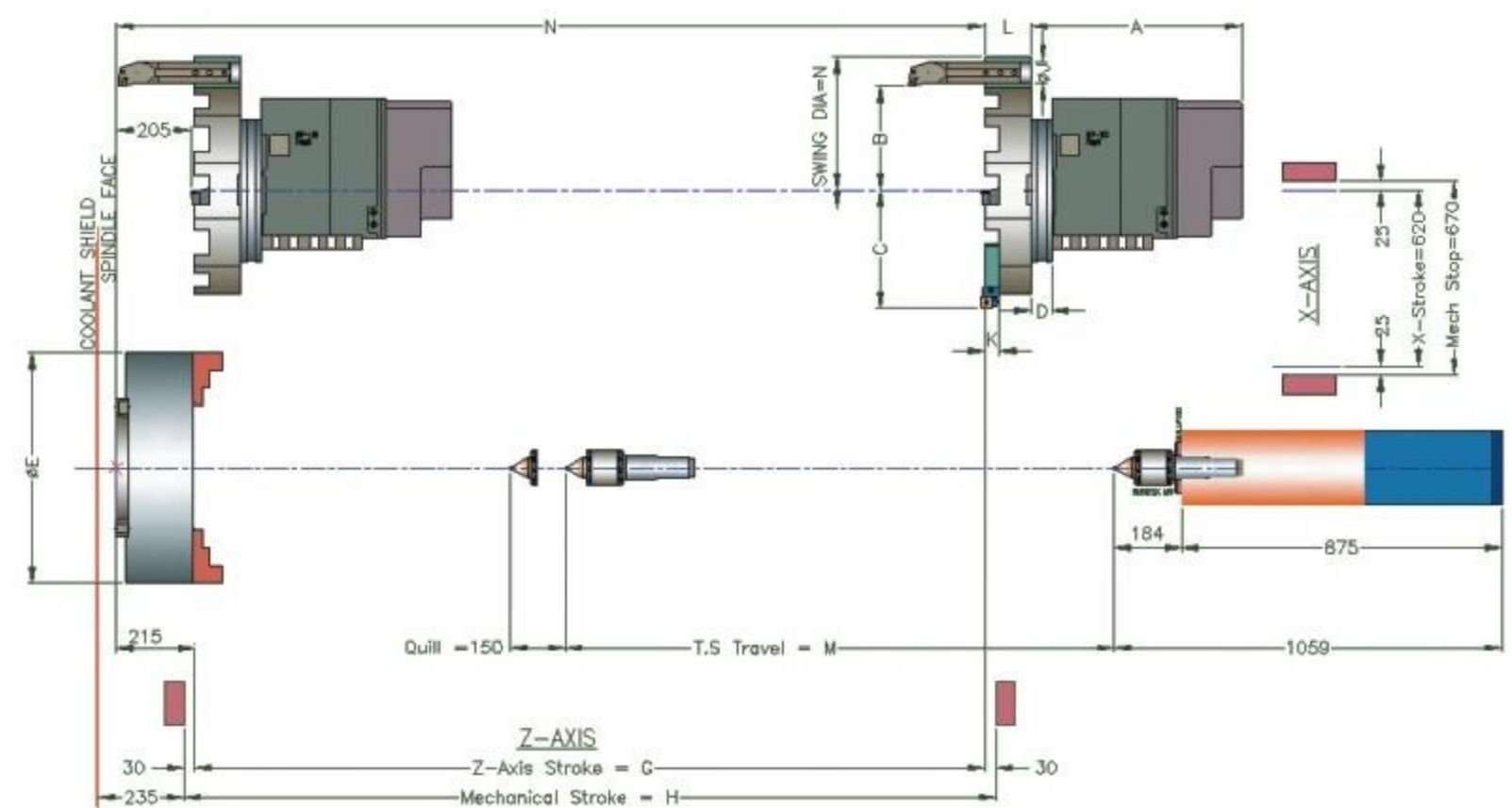
INTERFERENCE DIAGRAM



TURRET MODEL=BTP-160/TB320/SM32: PRAGATI/BARUFFALDI/DUPLOMATIC SC14/25-2000 & 3000 ABC

VDI-60 disc on request available

CAPACITY DIAGRAM



Model /dimention	A	B	C	D	E	G	H	J	K	L	M	N	TRT
SC-25/3000ABC	510	283	323	56	1000	3000	2060	50/60	40	97	3000	2375	BTP160
SC-25/5000ABC	510	283	323	56	1000	5000	3060	50/60	40	97	5000	3215	BTP160



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