



Supercut - 5N|6N|7NS

SUPERCUT SERIES COMPACT SLANT BED CNC LATHE

- True slant bed small CNC lathe
- Larger Workholding $\text{Ø}135/\text{Ø}165/\text{Ø}200$ x 3 Jaw
- High speed spindle with variable speed
- Integral **hardened and precision ground** axes guide ways or **LM guide ways**
- Precision slides with latest servomotor and absolute encoders
- Precision ball screws double nut-flange FF mounting pre-stretched
- Ergonomically designed machine enclosure
- Compact foot print 2.4 sq.m
- Hydraulic power operated work holding system and **hydraulic turret**
- Turning **tool size 25 x 25 mm** & Boring bar size **Ø40**
- Latest fanuc / Siemens control systems

SPECIFICATIONS : SUPERCUT - 5N/6N/7NS

Capacity	Unit	SC- 5N	SC- 6N	SC- 7NS
Chuck size	mm	135	165	200
Max turning diameter	mm	150	150	200
Max turning length	mm	300	300	250
Max length between center	mm	350	350	300
Swing over cross slide	mm	205	205	200
Swing over way covers	mm	350	350	350

Spindle				
Spindle nose	Type	A2-4	A2-5	A2-6
Front bearing dia	mm	60	75	90
Hole through spindle	mm	42	45	55
Bar Capacity	mm	25	32	42
Spindle speed range	rpm	40 - 4500	40 - 4000	30-3000
Spindle motor power	kW	3.7 / 5.5	5.5 / 7.5	5.5 / 7.5
Spindle centre height from floor	mm	965	965	965

Axes				
X- axis stroke	mm		80	110
Z - axis Stroke	mm			300
Ball - screw dia & pitch mm	Dia			25 x 5p
Rapid rate X/Z	m/min			20,000
Feed rate	mm/min			5,000

Turret & Tooling's				
Turret type	-			Hydraulic Turret
Number of stations	-			8
Indexing time 180 deg	Sec			1
Positioning accuracy	arc sec			+/-6
Repeatability	arc sec			+/-2"
Turning tool size	mm			25 x 25
Boring bar size	mm			Dia 40

Tail Stock				
Quill size	mm			70
Quill stroke	mm			70
Taillstock centre	MT		3	4
Tail stock travel	mm			120

Tank Capacity				
Coolant tank with chip conveyor	ltr			100
Lubrication tank capacity	ltr			3
Hydraulic tank capacity	ltr			35

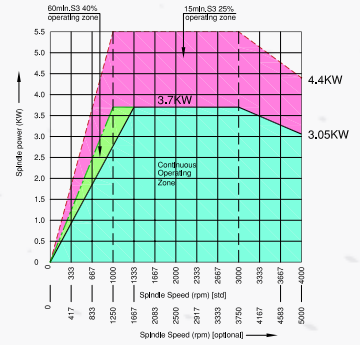
Machine Dimensions				
L X W X H (approx with chip trolley)	mm			2100 x 1300 x 1700
Weight (approx)	kg	2050	2050	2050

CNC Electrical Details				
No. of axes	-			2(Fanuc / Siemens)
Electricals	-			415V, 3 Phase / 50 Hz
Control voltage	-			24 V DC
Total connected load (Approx)	KVA			15

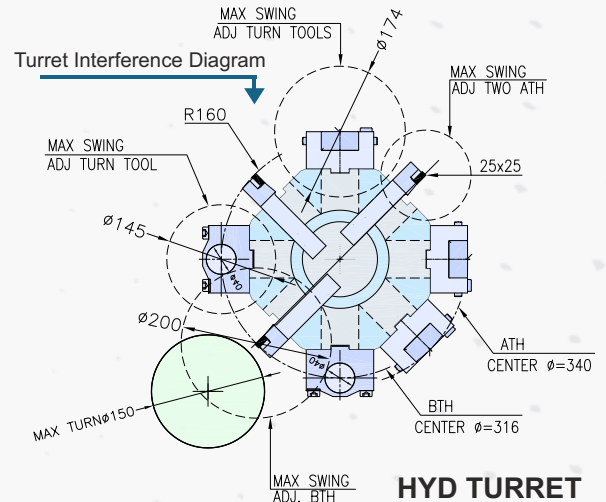
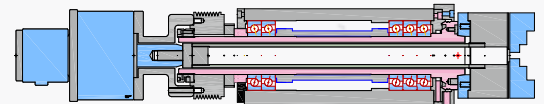
Accuracy (JIS)				
Positioning of axes X/Z	mm			0.005 / 0.008
Repeatability of axes	mm			0.003
Roundness on std test piece	mm			0.002
Surface finish on std test piece	Ra			1.22

Note: All Specifications in the catalogue are subject to change without notice.

Spindle Speed Power Chart

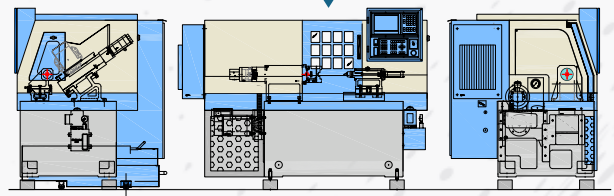


Spindle Bearing Arrangement



HYD TURRET

M/c layout Diagram



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