



Supercut - 5N|6N|7NS ( Hyd )

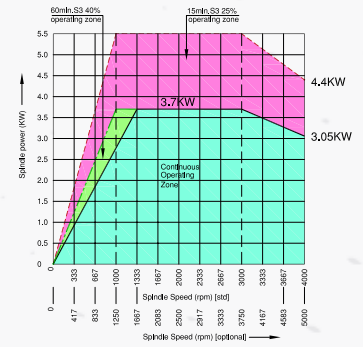
## SUPERCUT SERIES COMPACT SLANT BED CNC LATHE

- 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 **LM guide ways** or **hardened and precision ground** axes 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

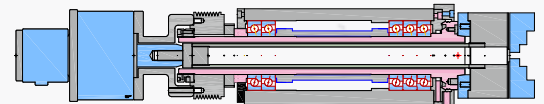
# SPECIFICATIONS : SUPERCUT - 5N/6N/7NS ( Hyd Turret )

Capacity	Unit	SC- 5N	SC- 6N	SC- 7NS
Chuck size	mm	135	165	200
Max turning diameter	mm	200	200	200
Max turning length	mm	250	250	250
Max length between center	mm	350	350	350 / 500 325(MT-4)
Swing over cross slide	mm	205	205	205
Swing over way covers	mm	350	350	350
<b>Spindle</b>				
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 7.5 / 11
Spindle centre height from floor	mm	965	965	965
<b>Axes</b>				
X- axis stroke	mm	110	110	110
Z- axis Stroke	mm	300	300	300
Rapid rate X/Z	m/min	20000	20000	20000
Feed rate	mm/min	5000	5000	5000
<b>Turret &amp; Tooling's</b>				
Turret type -Hydraulic Cosmos Make	-	<b>Hydraulic Turret (CLT-63)</b>		
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		
<b>Tail Stock</b>				
Quill size	mm	70	70	70
Quill stroke	mm	70	70	70
Taillstock centre	MT	MT-3	MT-3	MT-3
<b>Taillstock centre (Optional)</b>	MT	MT-4	MT-4	MT-4
Tail stock travel	mm	260	260	200
<b>Tank Capacity</b>				
Coolant tank with chip conveyor	ltr	100		
Lubrication tank capacity	ltr	3		
Hydraulic tank capacity	ltr	35		
<b>Machine Dimensions</b>				
L X W X H ( approx with chip trolley )	mm	2100 x 1300 x 1700		
Weight ( approx )	kg	2050	2050	2050
<b>CNC Electrical Details</b>				
No.of axes	-	2( Fanuc / Siemens)		
Electricals	-	415V, 3 Phase / 50 Hz		
Control voltage	-	24 V DC		
Total connected load ( Approx)	KVA	15		
<b>Accuracy ( JIS )</b>				
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.				

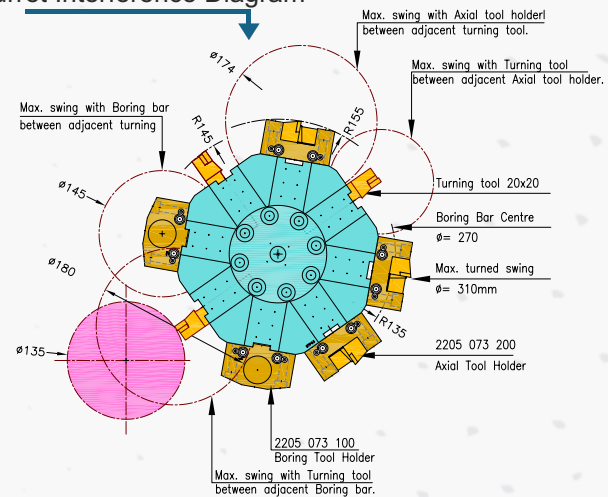
Spindle Speed Power Chart



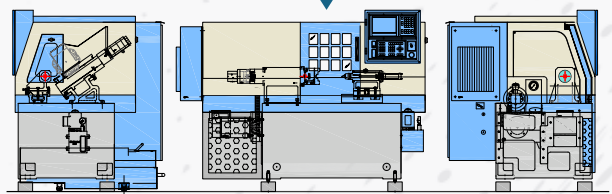
Spindle Bearing Arrangement



Turret Interference Diagram



M/c layout Diagram



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