



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

SUPERCUT SERIES COMPACT SLANT BED CNC LATHE

- True slant bed small CNC lathe
- Larger Workholding Ø135/Ø165/Ø200 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 **EM turret**
- Turning **tool size 20 x 20 mm** & Boring bar size **Ø32**
- Latest fanuc / Siemens control systems

SPECIFICATIONS : SUPERCUT - 5N/6N/7NS (EM 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	300	300	300/500
Max length between center	mm	350	350	350
Swing over cross slide	mm	205	205	205
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 7.5 / 11
Spindle centre height from floor	mm	965	965	965

Axes				
X- axis stroke	mm	110	110	110
Z - axis Stroke	mm	350	350	350
Rapid rate X/Z	m/min	20000	20000	20000
Feed rate	mm/min	5000	5000	5000

Turret & Tooling's				
Turret type -(EM Pragati Make)	-	EM (BTP-63)		
Number of stations	-	8		
Indexing time 180 deg	Sec	1.6		
Positioning accuracy	arc sec	+/-6		
Repeatability	arc sec	+/-2"		
Turning tool size	mm	20 x 20		
Boring bar size	mm	Dia 32		

Tail Stock				
Quill size	mm	70	70	70
Quill stroke	mm	70	70	70
Taillstock centre	MT	MT-3	MT-3	MT-3
Taillstock centre (Optional)	MT	MT-4	MT-4	MT-4
Tail stock travel	mm	260	260	220

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

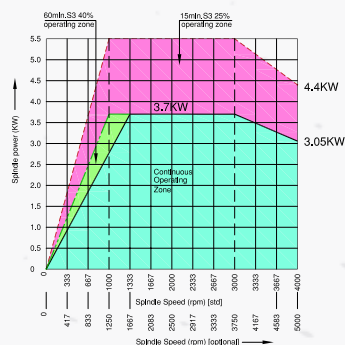
Machine Dimensions				
L X W X H (approx with chip trolley)	mm	2100 x 1300 x 1700		
Weight (approx)	kg	2050	2050	2050

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		

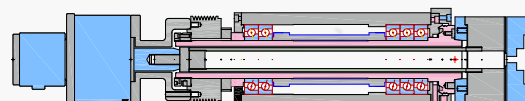
Accuracy (JIS)				
Positioning of axes X/Z	mm	0.005 / 0.008		
Repeatability of axes	mm	0.003		
Roundness on std test piece	mm	0.002		
Surface finish on std test piece	Ra	1.22		

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

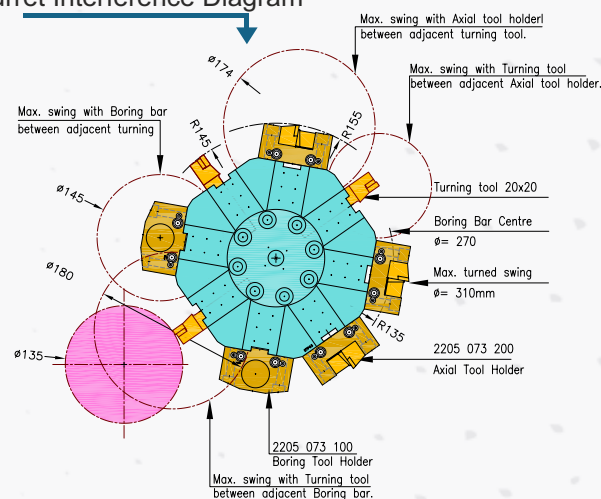
Spindle Speed Power Chart



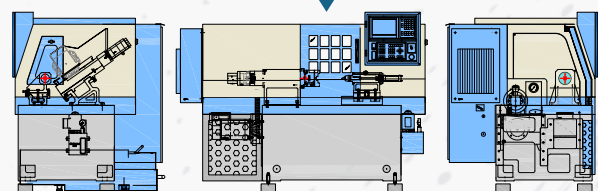
Spindle Bearing Arrangement



Turret Interference Diagram



M/c layout Diagram



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