

# CNC SLANT BED TURNING MACHINE

## Salient Features

- ◆ 45° Slant Bed Structure
- ◆ High-speed indexing and Positioning in idle time
- ◆ High rigid bed design
- ◆ Rigid Headstock & Heavy Duty Spindle
- ◆ High precision L.M. guide ways
- ◆ Tail stock with hydraulic quill
- ◆ Centralized & Programmable Lubrication
- ◆ Operator Friendly CNC machine



## Job Components



## Optional Accessories

- ◆ Chip Conveyor
- ◆ Bar Feeder
- ◆ Live Tooling
- ◆ Stabilizer
- ◆ Hydraulic Collect Chuck
- ◆ Steady Rest

# Technical Specification

## CNC SLANT BED TURNING MACHINE

Model Name		Ri 1020	Ri 1520	Ri 2020	Ri 2030	Ri 2050	Ri 3050	Ri 3070	Ri 5050	Ri 5070	Ri 5080
Controller	Siemens / Fanuc / Mitsubishi / Delta										
<b>Capacity</b>											
Chuck Size	mm	100	135	200	200	200	250	250	315 / 400	315 / 400	315 / 400
Standard Turning Diameter	mm	100	150	200	200	200	300	300	500	500	500
Maximum Turning Diameter	mm	200	200	250	250	250	400	400	650	650	650
Maximum Turning Length	mm	200	200	200	300	500	500	700	500	700	800
Max. Job Swing over Dia.	mm	300	350	400	400	400	550	550	700	700	700
Slant Angle	degree	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°
<b>Main Spindle</b>											
Spindle Nose	-	A2-4	A2-4	A2-4	A2-5	A2-5 / A2-6	A2-8	A2-8	A2-8 / A2-11	A2-8 / A2-11	A2-8 / A2-11
Hole Through Spindle	mm	50	50	50	50	70	70	70	90	90	90
Spindle Speed Range	rpm	4000	3000	3000	2500	2500	2000	2000	1500	1500	1500
Spindle Motor Power(Ind./Servo)	kw/hp	5.5 / 7.5	5.5 / 7.5	7.35 / 10	7.35 / 10	11 / 15	11 / 15	11 / 15	14.7 / 20	14.7 / 20	18.3 / 25
<b>Axis</b>											
X-Axis Stroke	mm	120	120	150	150	150	250	250	350	350	350
Z-Axis Stroke	mm	200	200	200	300	500	500	700	500	700	800
Feed Drive (X & Z)	mm	6 / 6	6 / 6	6 / 6	6 / 6	6 / 6	6 / 6	6 / 8	6 / 8	6 / 8	6 / 8
LM Size(X / Z)	mm	25 / 35	25 / 35	35 / 35	35 / 35	35 / 45	35 / 45	35 / 45	45 / 55	45 / 55	45 / 55
Ball Screw Dia & Pitch (Z / X)	mm	32 x 10 / 25 x 10	32 x 10 / 25 x 10	32 x 10 / 32 x 10	32 x 10 / 32 x 10	32 x 10 / 32 x 10	32 x 10 / 32 x 10	32 x 10 / 32 x 10	40 x 10 / 32 x 10	40 x 10 / 32 x 10	40 x 10 / 32 x 10
<b>Tool Turret(BTP-8 / 12)</b>											
No of Station	-	8	8	8	8	8	8	8	8 / 12	8 / 12	8 / 12
Max. Boring Bar Diameter	mm	40	40	40	40	40	40	40	50	50	50
Tool Size	mm	25 x 25	25 x 25	25 x 25	25 x 25	25 x 25	25 x 25	25 x 25	32 x 32	32 x 32	32 x 32
<b>Tail Stock</b>											
Quill Dia	mm	-	-	-	70	70	70	70	100	100	100
Quill Stroke	mm	-	-	-	125	125	125	125	125	125	125
<b>Accuracy</b>											
Max. Spindle Nose Runout	mm	0.003	0.004	0.005	0.005	0.005	0.003	0.003	0.005	0.005	0.005
Repeatability	mm	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Positioning	mm	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
<b>Other Data</b>											
Machine Weight(Approx)	kg	2550	2800	3250	3400	3625	3900	4200	4325	4650	4800
Length(Approx)	mm	1800	2100	2100	2100	2500	2555	2755	3000	3350	3500
Width(Approx)	mm	1300	1630	1630	1630	1630	1780	1820	1950	1950	1950
Height(Approx)	mm	1500	1600	1600	1600	1600	1625	1625	1850	1850	1850