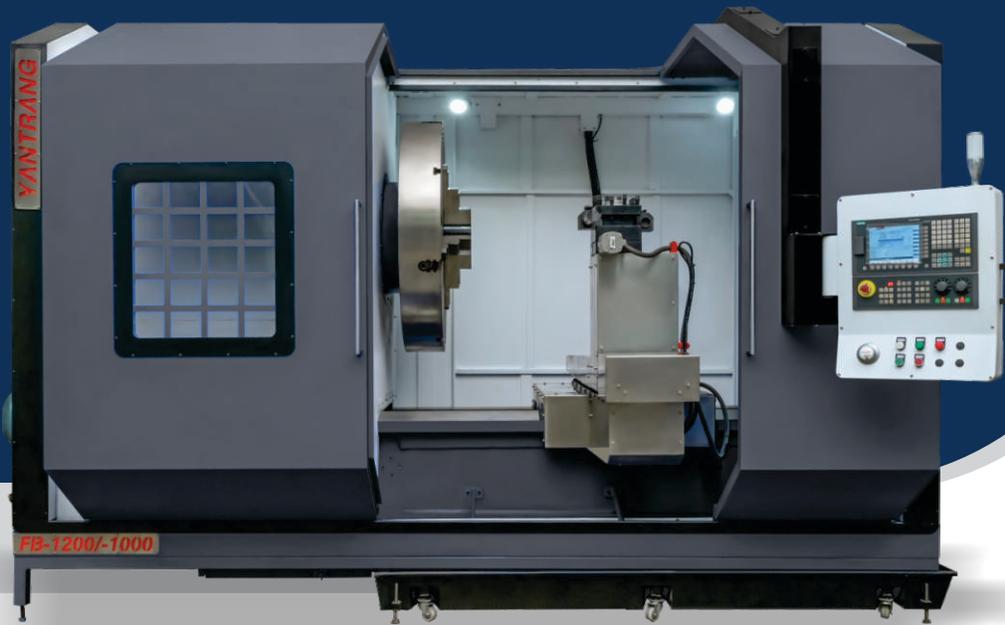


# FLAT BED LATHE - TURNMILL



# FB

250-600 | 250-1000 | 300-1000 | 300-1500 | 400-2000 | 400-3000 | 400-4000 | 500-3000 | 600-1000  
600-2000 | 600-3000 | 600-4000 | 600-5000 | 800-1000 | 800-2000 | 800-3000 | 800-5000 | 800-6000

**YANTRANG CNC**  
**AUTOMATION PVT. LTD.**



Excellence in Metal Cutting

# FLAT BED LATHE - TURNMILL

CNC Turning Center

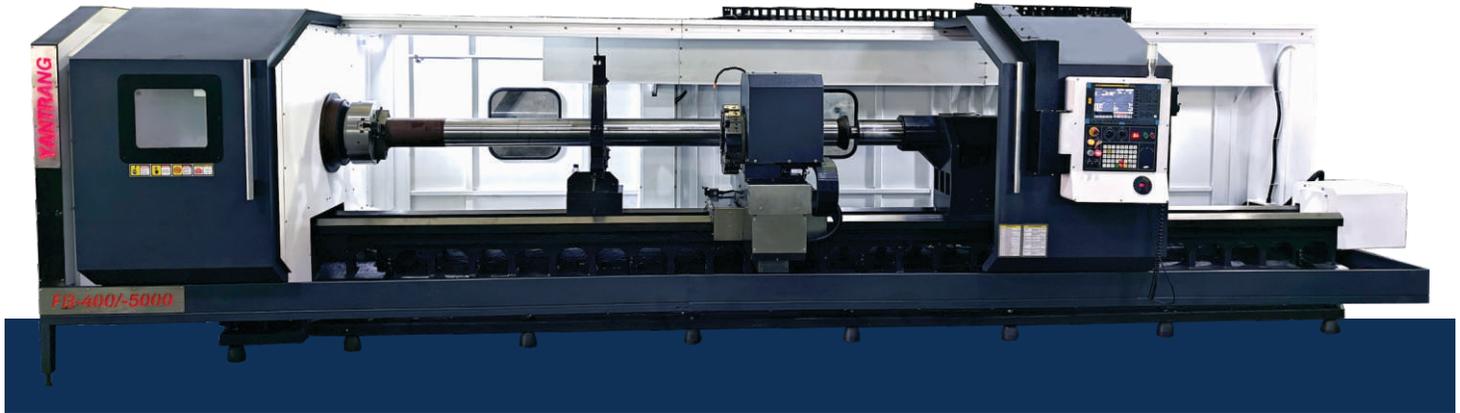


CAPACITY	UNIT	250/600	250/1000	300/1000	300/1500	400/2000	400/3000	400/4000	500/3000
SWING OVER BED	MM	500	500	550	550	700	700	700	700
MAXIMUM TURNING LENGTH	MM	600	1000	1000	1500	2000	3000	4000	3000
MAXI. DIA. BETWEEN CENTER	MM	250	250	300	300	400	400	400	500
DISTANCE BETWEEN CENTER	MM	600	1100	1100	1550	2150	3150	4150	3150
STANDARD TURNING DIA.	MM	250	250	300	300	400	400	400	500
CHUCK SIZE	MM	250	250	300	300	400	400	400	530
MAX. TURNING DIA.	MM	400	400	400	400	500	500	500	600
X-AXIS TRAVEL	MM	225	225	250	250	275	275	275	325
Z-AXIS TRAVEL	MM	700	1100	1100	1550	2150	3150	4150	3150
RAPID TRANSVERSE (X-AXIS)	M/Min.	15	15	15	15	15	15	15	15
RAPID TRANSVERSE (Z-AXIS)	M/Min.	15	15	15	12	10	10	10	5
<b>SLIDE</b>									
X AXIS BALL SCREW (P x D)		32 x 10	32 x 10	40 x 10					
Z AXIS BALL SCREW (P x D)		32 x 10	40 x 10	40 x 10	40 x 10	40 x 10	50 x 10	50 x 10	50 x 10
MOTOR TORQUE (Z axis)	NM	6	6	8	8	11	16	16	16
MOTOR TORQUE (X axis)	NM	6	6	8	8	11	16	16	16
<b>MAIN SPINDLE</b>									
INDUCTION SPINDLE MOTOR	KW	7.5	7.5	11	11	15	22	22	22
SPINDLE BORE		56	56	75	75	75	110	110	110
SPINDLE NOSE		A2-6	A2-6	A2-8	A2-8	A2-8	A2-11	A2-11	A2-11
MAXIMUM BAR CAPACITY		46	46	60	60	60	90	90	90
SPINDLE SPEED RANGE	RPM	200-1500	200-1500	200-800	200-800	200-800	200-800	200-800	200-800
<b>TURRET</b>									
		SQTP-190							
NUMBER OF STATION		4	4	4	4	4	4	4	4
TOOL SIZE (CROSS SECTION)		25 x 25							
<b>TAIL STROKE</b>									
QUILL DIA.		85	85	100	100	100	130	130	130
QUILL STROKE		250	250	250	250	250	250	250	250
THRUST (ADJUSTABLE)	KGF	700	700	700	700	700	700	700	700
<b>OTHERS</b>									
POSITIONING ACCURACY	MM	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
REPEATABILITY	MM	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015

NOTE : Specification Subject to Change without Prior Notice.

# FLAT BED LATHE - TURNMILL

CNC Turning Center



CAPACITY	UNIT	600/1000	600/2000	600/3000	600/4000	800/1000	800/2000	800/3000	800/5000	800/6000
SWING OVER BED	MM	850	850	850	850	1000	1000	1000	1000	1000
MAXIMUM TURNING LENGTH	MM	1000	2000	3000	4000	1000	2000	3000	5000	6000
MAXI. DIA. BETWEEN CENTER	MM	600	600	600	600	800	800	800	800	800
DISTANCE BETWEEN CENTER	MM	1100	2150	3150	4150	1150	2150	3150	5150	6150
STANDARD TURNING DIA.	MM	600	600	600	600	800	800	800	800	800
CHUCK SIZE	MM	600	600	600	600	600/800	600/800	600/800	600/800	600/800
MAX. TURNING DIA.	MM	750	750	750	750	1000	1000	1000	1000	1000
X-AXIS TRAVEL	MM	400	400	400	400	525	525	525	525	525
Z-AXIS TRAVEL	MM	1100	2150	3150	4150	1150	2150	3150	5150	6150
RAPID TRANSVERSE (X-AXIS)	M/Min.	15	15	15	15	15	15	15	15	15
RAPID TRANSVERSE (Z-AXIS)	M/Min.	10	10	10	5	10	10	5	5	5
<b>SLIDE</b>										
X AXIS BALL SCREW (P x D)	MM	40 x 10	40 x 10	40 x 10	50 x 10	50 x 10	50 x 10	50 x 10	63 x 10	63 x 10
Z AXIS BALL SCREW (P x D)	MM	50 x 10	50 x 10	50 x 10	Rack & Pinion	50 x 10	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion
MOTOR TORQUE (Z axis)	NM	16	20	20	20	20	20	20	20	20
MOTOR TORQUE (X axis)	NM	16	16	16	16	16	16	16	16	16
<b>MAIN SPINDLE</b>										
INDUCTION SPINDLE MOTOR	KW	22	22	22	22	30	30	30	30	30
SPINDLE BORE		110	110	110	110	110	110	150	150	150
SPINDLE NOSE		A2-11	A2-11	A2-11	A2-11	A2-11	A2-11	A2-15	A2-15	A2-15
MAXIMUM BAR CAPACITY		90	90	90	90	90	90	120	120	120
SPINDLE SPEED RANGE	RPM	200-800	100-500	100-500	100-500	100-500	100-500	50-500	50-500	50-500
<b>TURRET</b>										
		SQTP-200	SQTP-200	SQTP-200	SQTP-200	SQTP-200	SQTP-200	SQTP-200	SQTP-200	SQTP-200
NUMBER OF STATION		4	4	4	4	4	4	4	4	4
TOOL SIZE (CROSS SECTION)		32 x 32	32 x 32	32 x 32	32 x 32	32 x 32	32 x 32	32 x 32	32 x 32	32 x 32
<b>TAIL STROKE</b>										
QUILL DIA.		130	130	130	130	130	130	130	130	130
QUILL STROKE		250	250	250	250	250	250	250	250	250
THRUST (ADJUSTABLE)	KGF	700	700	700	700	700	700	700	700	700
<b>OTHERS</b>										
POSITIONING ACCURACY	MM	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
REPEATABILITY	MM	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015

NOTE : Specification Subject to Change without Prior Notice.



Excellence in Metal Cutting

# FLAT BED LATHE - TURNMILL

CNC Turning Center

## CONTROL SYSTEM FEATURES :

- Manual Data Input
- 2 Axis Simultaneous
- Part Program Storage & Editing
- Constant Surface Speed Control
- Tool Nose Radius Compensation
- Feed rate Override
- Circular Interpolation
- Threaded Cutting Cycle
- Direct Drawing Dimensions Programming
- Absolute / Incremental Programming
- RS-232 Serial Interface Port
- Backlash Compensation
- Graphic Simulation
- Electronic Hand Wheel
- Run hour Display
- LCD Display
- Self Diagnostick
- USB Port

## STANDARD FEATURES :

- Hardened & Ground Box Guideways
- AC Spindle Drive & Servo Drive
- Hydraulic Chuck with Actuating cylinder
- Hydraulic Unit, Foot Switch, Coolant System
- Centralized Lubrication System
- Electrical Quality Device
- Boring Holder & Axial holder

## OPTIONAL :

- Chip Conveyor
- Bar Feeder
- Bar Puller
- Hydraulic Turret
- Stabilizer

## YANTRANG CNC AUTOMATION PVT. LTD.

📍 NH-8B, GONDAL ROAD, OPP. PARIN FURNITURE,  
INSIDE FROM RAILWAY CROSSING, GOVIND BAG,  
KOTHARIYA, RAJKOT-360 022. (GUJARAT) INDIA.

📞 +91-81283 45525, +91-90330 56103

✉ sales@yantrang.com, admin@yantrang.com



www.yantrang.com