



Excellence in Metal Cutting

# MICROTURN SERIES

CNC Turning Center



200-300 | 200-400 | 200-600 | 200-800 | 250-1000 | 250-1250

**YANTRANG CNC**  
AUTOMATION PVT. LTD.



Excellence in Metal Cutting

# MICROTURN SERIES

CNC Turning Center

## TECHNICAL SPECIFICATION

CAPACITY	Units	200/300	200/400	200/600	200/800	250/1000	250/1250
Swing Over Bed	mm	500	500	500	500	500	500
Maximum Turning Length	mm	325	410	600	800	1000	1250
Maximum Dia. Between Center	mm	250	250	250	250	330	330
Distance Between Center	mm	350	425	600	800	1000	1250
Standard Turning Dia.	mm	200	200	200	200	250	250
Chuck Size	mm	200	200	200	200	250	250
Max. Turning Dia.	mm	330	330	330	330	330	330
X-axis Travel (A)	mm	175	175	175	175	175	175
Z-axis Travel (B)	mm	350	425	600	800	1000	1250
Rapid Traverse*	m/min.	24	24	24	24	24	24
<b>Slide</b>							
Z Axis Ball Screw (P X D)		32 x 10					
Motor Torque (Z Axis)	nm	7	7	7	7	7	7
X Axis Ball Screw (P X D)		32 x 10					
Motor Torque (X Axis)	nm	7	7	7	7	7	7
<b>Main Spindle</b>							
Spindle Motor : Siemens	Kw	5.5 / 7.5	7.5 / 9	7.5 / 9	7.5 / 9	7.5 / 9	7.5 / 9
Fanuc	Kw	5.5 / 7.5	7.5 / 11	7.5 / 11	7.5 / 11	7.5 / 11	7.5 / 11
Spindle Bore		50.5	50.5	65	65	65 (86)	65 (86)
Spindle Nose		A2-5	A2-5	A2-6	A2-6	A2-6 (A2-8)	A2-6 (A2-8)
Maximum Bar Capacity		41	41	51	51	51 (75)	51 (75)
Spindle Speed Range	RPM	50-3000	50-3000	50-3000	50-3000	50-2500	50-2500
Full Power Speed Range	RPM	750-2250	750-2250	750-2250	750-2250	500-1500	500-1500
<b>Turret</b>		<b>BTP-80</b>	<b>BTP-80</b>	<b>BTP-80</b>	<b>BTP-80</b>	<b>BTP-80</b>	<b>BTP-80</b>
Number of Station		8	8	8	8	8	8
Max. Boring Bar Dia.		40	40	40	40	40	40
Tool Size (Cross Section)		25 x 25					
<b>Tail Stock</b>							
Quill Dia.		85	85	85	85	85	85
Quill Stroke		120	120	120	120	120	120
Thrust (Adjustable)	KGF	500	500	500	500	500	500
<b>Others</b>							
Weight (Approx)	Kg.	2700	2900	3100	3400	4400	4800
Positioning Accuracy	mm	0.010	0.010	0.010	0.010	0.010	0.010
Repeatability	mm	0.005	0.005	0.005	0.005	0.005	0.005
<b>Total Power</b>	<b>KVA</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>

\* BOX GUIDE WAY RAPID 20m/Min.

NOTE : Specification Subject to Change without Prior Notice.

### CONTROL SYSTEM FEATURES :

- Manual Data Input
- 2 Axis Simultaneous
- Part Program Storage and 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

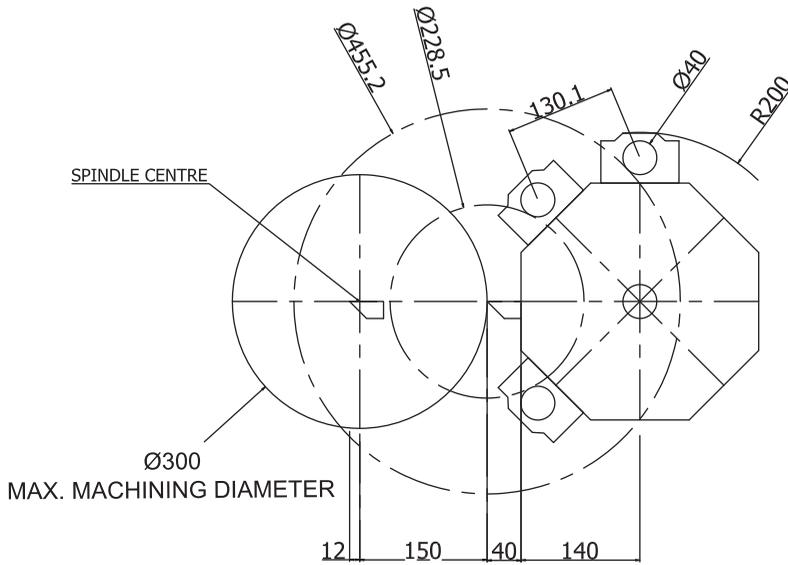
### STANDARD FEATURES :

- 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
- Linear Motion Guideway

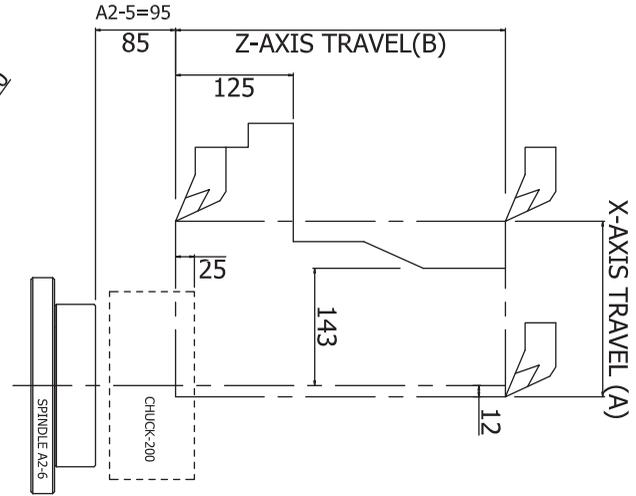
### OPTIONAL :

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

### TOOL INTERFERENCE DIAGRAM

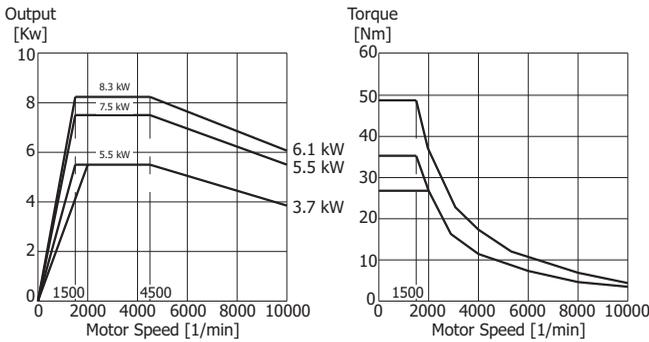


### WORKING DIAGRAM

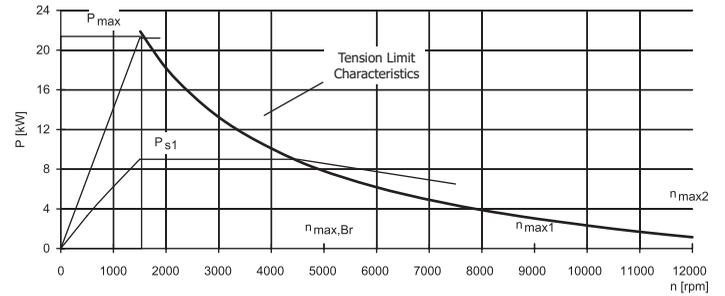


### POWER DIAGRAM

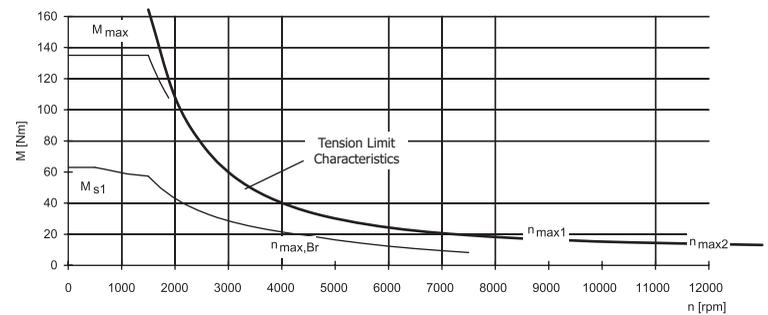
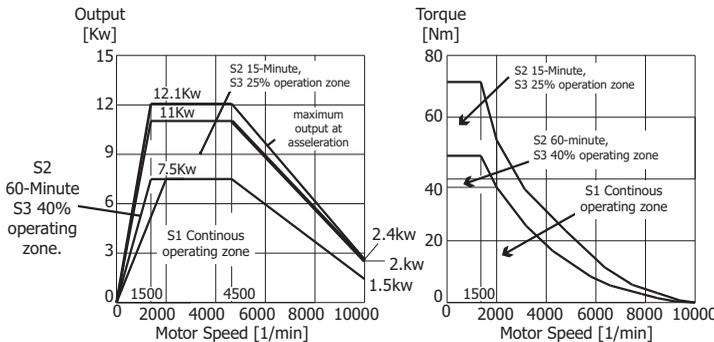
#### FANUC : 5.5/7.5Kw



#### SIMENS : 7.5/9Kw



#### FANUC : 7.5/11Kw



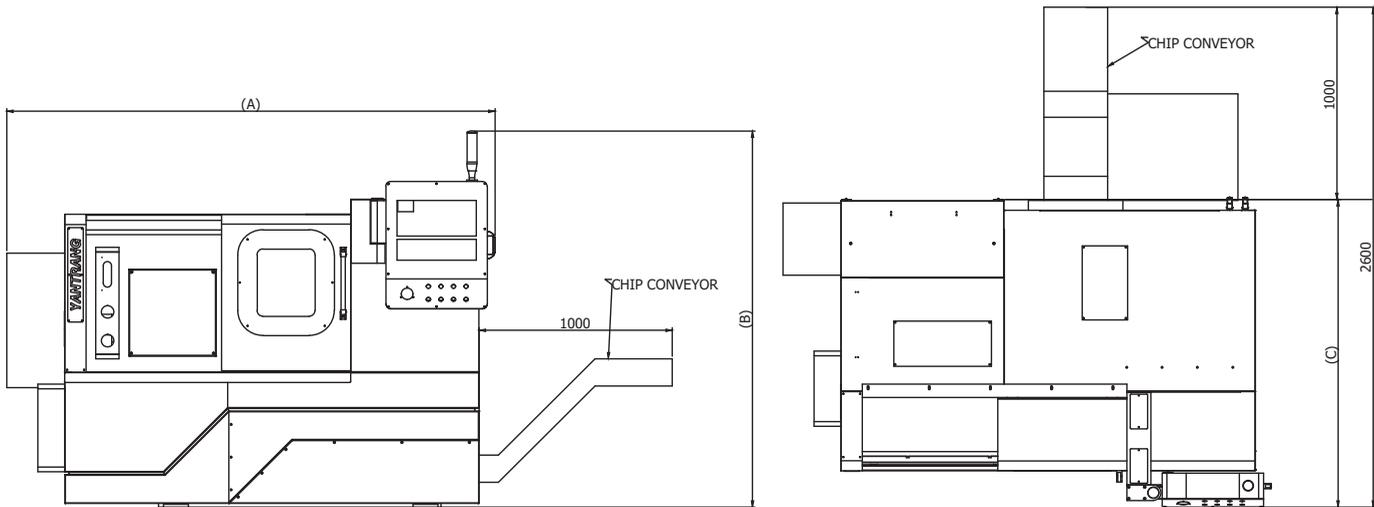


Excellence in Metal Cutting

# MICROTURN SERIES

CNC Turning Center

## MACHINE DIAGRAM



MODEL	A - Length	C - Width	B - Hight
M-200/300	2500	1350	1650
M-200/400	2500	2000	1650
M-200/600	2700	2000	1700
M-200/800	2900	1800	2200
M-250/1000	3450	2000	2400
M-250/1250	3700	2000	2500



**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