

# MICROTURN LINEAR SERIES



MT

Twin Spindle : 150TS | Linear : 100-200

**YANTRANG CNC**  
AUTOMATION PVT. LTD.



Excellence in Metal Cutting

# MICROTURN LINEAR SERIES

CNC Turning Center

## TECHNICAL SPECIFICATION

CAPACITY	UNIT	MT - 150TS	MT - 100
SWING OVER BED	MM	275	275
MAXIMUM TURNING LENGTH	MM	120	200
STANDARD TURNING DIA.	MM	100	100
CHUCK SIZE	MM	165	165
MAX. TURNING DIA.	MM	125	200
X-AXIS TRAVEL	MM	380	380
Z-AXIS TRAVEL	MM	475	225
RAPID TRAVERSE (X axis)	M/Min.	20	24
RAPID TRAVERSE (Z axis)	M/Min.	20	24
CENTER HEIGHT	MM	-	105
<b>SLIDE</b>			
X - Z AXIS LM	MM	35	35
Z AXIS BALL SCREW (P x D)		32 x 10	32 x 10
MOTOR TORQUE (Z axis)	NM	6	6
X AXIS BALL SCREW (P x D)		32 x 10	32 x 10
MOTOR TORQUE (X axis)	NM	6	6
<b>MAIN SPINDLE</b>			
SPINDLE MOTOR : SIEMENS	KW	5.5/7.5	7.5 / 9
FANUC / MITSUBISHI	KW	5.5/7.5	5.5 / 7.5
SPINDLE BORE		47	47
SPINDLE NOSE		A2-5	A2-5
MAXIMUM BAR CAPACITY		36	36
SPINDLE SPEED RANGE	RPM	50-3000	50-3000
FULL POWER SPEED RANGE	RPM	750-2250	750-2250
<b>TOOL</b>			
MAX. BORING BAR DIA.		40	32
TOOL SIZE (CROSS SECTION)		25 x 25	25 x 25
<b>OTHERS</b>			
WEIGHT	KG.	2500	2400
POSITIONING ACCURACY	MM	0.010	0.010
REPEATABILITY	MM	0.005	0.005
DIMENSION APPROX (L x W x H)	MM	-	2550x1695x1950
<b>TOTAL POWER</b>	<b>KVA</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
- Thread Cutting Cycle
- Direct Drawing Dimensions Programming
- Absolute / Incremental programming
- RS-232 S port serial interface
- Backlash compensation
- Graphic Simulation
- Electronic hand wheel
- Run Hour Display
- LCD Display
- Self Diagnostick
- USB Port

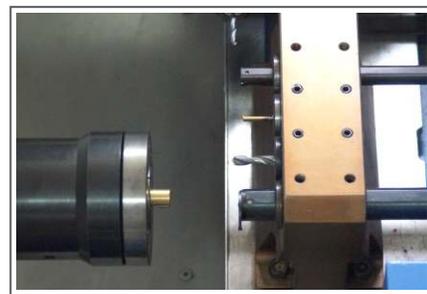
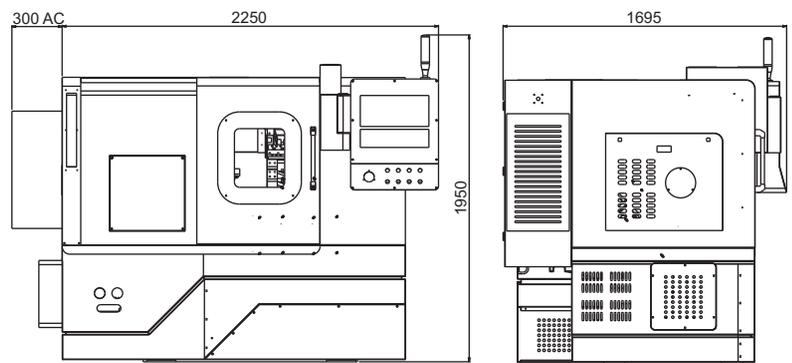
### STANDARD FEATURES :

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

### OPTIONAL :

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

### STRUCTURE DIAGRAM



### APPLICATION :



## YANTRANG CNC AUTOMATION PVT. LTD.

NH-8B, GONDAL ROAD, OPP. PARIN FURNITURE,  
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