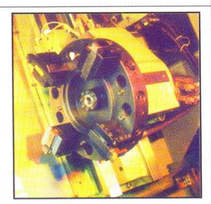
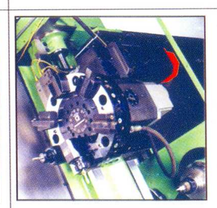
MIVEN Machine Tools

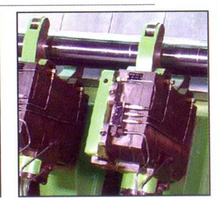
MIVEN MACHINE TOOLS LIMITED

An ISO 9001:2000 Certified Company

The Closer you look into a Warner & Swasey Turning Center
The further your expectations are exceeded







SLANT BED

ULTRA SERIES

CNC LATHES

ULTRA SERIES SLANT BED

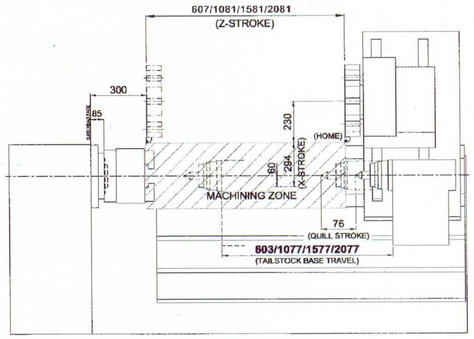
Specifications	Universal	Chucker
Chuck Size	315 mm	315 mm
Max. turning diameter (chucking/bet'n center)	400/315 mm	400/315 mm
Swing over way covers	660 mm	660 mm
Swing over Carriage	381 mm	381 mm
Turning Length (ABC)	1000 / 1500 / 2000 mm	600 mm
Spindle Nose	A2-8	A2-8
Hole through spindle	80 mm	80 mm
Spindle speed range	40-3000 rpm	40-3000 rpm
Cont. Power rating	11 Kw	11 Kw
30 minutes power rating	15 Kw	15 Kw
Longitudinal stroke	1081 / 1581 / 2081 mm	607 mm
Cross Stroke	294 mm	294 mm
Rapid Traverse Rate X/Z	12/12 M / min	12/12 M / min
Maximum Threading rate	5 M / min	5 M / min
Ball Screw Diameter/pitch	40 mm / 10 mm	40 mm / 10 mm
Number of tool station	12 station (Drum type)	12 station (Drum type)
Index time for 1 station	2 Sec	2 Sec
OD Tool Shank Size	25 x 25 mm	25 x 25 mm
ID Bar Diameter	40 mm	40 mm
Tailstock Quill Stroke	76 mm	-
Tailstock Quill Diameter	130 mm	-
Tailstock Centre	MT4	-
Tailstock Position & Lock	Manual	-
Machine Length	5080/5580/6280 mm	4580 mm
Machine Depth	3015 mm	3015 mm
Machine Height	2375 mm	2375 mm
Controls	Fanuc / Siemens	Fanuc / Siemens
Positioning (for 300 mm)	0.010 mm	0.010 mm
Repeatability	+/- 0.005 mm	+/- 0.005 mm
Basic Machine weight	9000 Kgs	7500 Kgs.

The specifications are subject to change without notice.

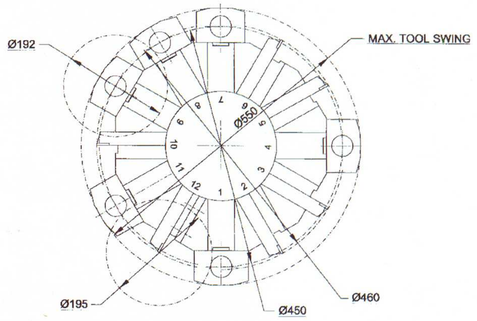
PRODUCT HIGHLIGHTS

- Single piece weldment base with headstock filled with composite material for better dynamic stiffness and dampening.
- Machine supported on three points ensures no precision leveling. Easy installation.
- Box type guideways are hardened and ground.
- Carriage & cross-slide guideways are surface coated with Epoxy to eliminate stick slip motion.
- Single piece cross slide casting provides high rigidity.
- Large diameter curvic coupling to ensure heavy clamping force and repeat index accuracy.
- Spindle supported on angular contact bearings ensures excellent part roundness and surface finish.
- Gearless spindle. No metal to metal contact. No vibration. No heat generation.
- Swing away tailstock is offered as option to permit end operations on the components without moving the tailstock away.
- Laser used for linear slide positioning accuracy and repeatability on each axis to enure high accuracy

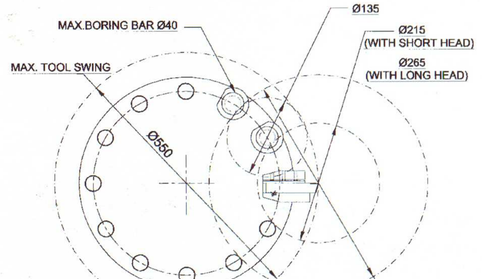
WORKING CAPACITY



TOOL CLEARANCES LAYOUT (DRUM TYPE TURRET)



VDI TOOL CLEARANCES LAYOUT (VDI TURRET)



OPTIONS

- Hydraulic operated steady rest
- VDI 40, 12 station turret in lieu of Drum type turret
- Tool touch probe for updating tool offsets
- Rotary tools with C axis facility
- Swing away tailstock in lieu of standard tailstock
- Hydraulic clamping tailstock in lieu of Manual Clamping standard tailstock
- Live Tooling
- Auto door
- Bar Puller with filler tube kit
- Bar feeder
- Parts catcher

MANUFACTURED BY:

MIVEN Machine Tools

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MANUFACTURERS REPRESENTATIVE:

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MMTL / B / 03 -01/010107