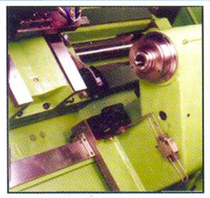
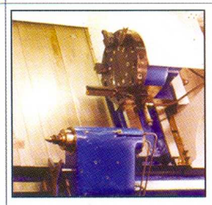
MIVEN Machine Tools

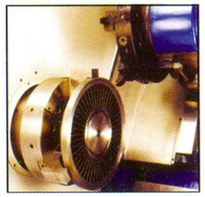
MIVEN MACHINE TOOLS LIMITED

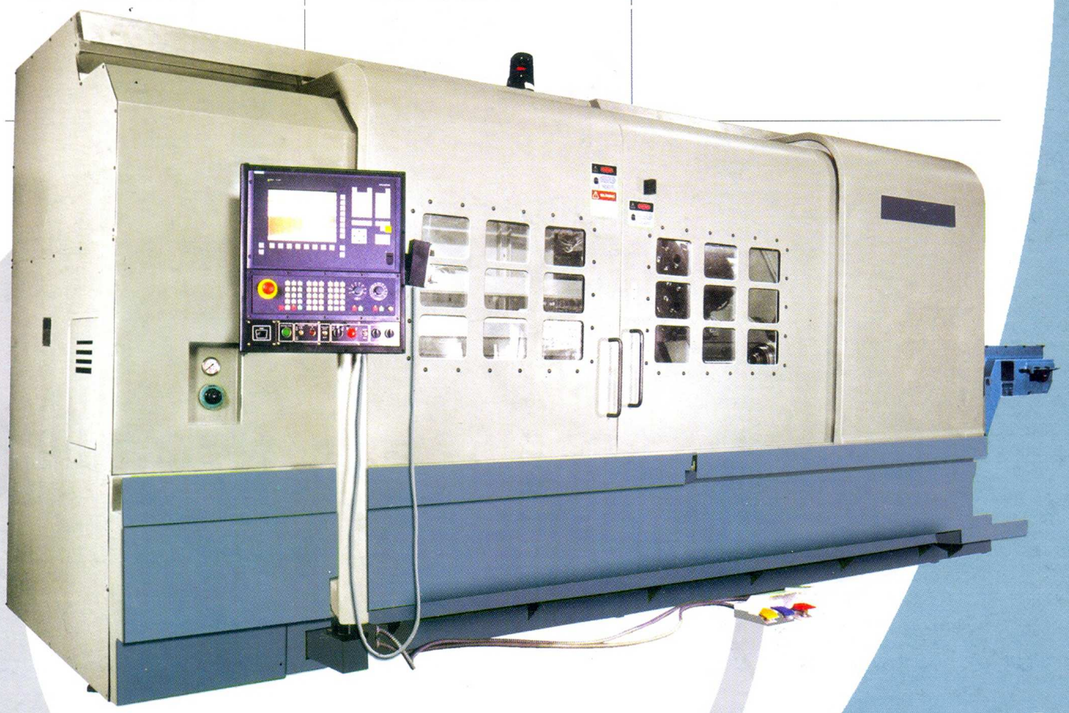
An ISO 9001:2000 Certified Company

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









WSU 40

SLANT BED HEAVY DUTY

CNC LATHES

WSU - 40 / C - 700 - SLANT BED HEAVY DUTY

MIVEN Machine Tools

Specifications	Universal (WSU - 40)	Chucker (C - 700)
Chuck Size	800 mm	800 mm
Max. turning diameter (chucking/bet'n center)	750/690 mm	750/690 mm
Swing over way covers	1000 mm	1000 mm
Swing over Carriage	700 mm	700 mm
Turning Length (ABC)	1000 to 3000 mm	500 mm
Spindle Nose	A2-15	A2-15
Hole through spindle	210 mm/166mm	210 mm/166mm
Spindle speed range	20-1200 rpm	20-1200 rpm
Cont. Power rating	37 Kw	37 Kw
30 minutes power rating	45 Kw	45 Kw
Longitudinal stroke	1077 to 3077 mm	577 mm
Cross Stroke	487 mm	487 mm
Rapid Traverse Rate X/Z	X-10 M / Z- 8 M /Min	X-10 M / Z-8 M /Min
Maximum Threading rate	5 M / min	5 M / min
Ball Screw Diameter/pitch	50, 63.5 mm / 10 mm	50, 63.5 mm / 10 mm
Number of tool station	8 station Octogonal Turret	8 station Octogonal Turret
Index time for 1 station	2 Sec	2 Sec
OD Tool Shank Size	32 x 32 mm	32 x 32 mm
ID Bar Diameter	60 mm	60 mm
Tailstock Quill Stroke	170 mm	170 mm
Tailstock Quill Diameter	160 mm	160 mm
Tailstock Centre	MT5	MT5
Tailstock Position & Lock	Programmable / Auto	Programmable / Auto
Machine Length	5860 to 7860 mm	5360 mm
Machine Depth	4000 mm	4000 mm
Machine Height	2580 mm	2580 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	14000 to 19500 Kgs	12500 Kgs

The specifications are subject to change without notice.

PRODUCT HIGHLIGHTS

- High rapid traverse speed on hardened and ground guideways for carriage and cross slide.
- Main spindle run on super precision bearings. grease packed for life. Carriage & cross-slide guideways are surface coated with Epoxy to eliminate stick slip free motion.
- Warner and Swasey designed single piece cross slide turret casting / equivalent electro mechanical turret.
- Automatic slide way lubrication with alarm indication.
- Spindle supported on angular contact bearings ensures excellent part roundness and surface finish.
- Laser used for linear slide positioning accuracy and repeatability on each axis to enure high accuracy
- 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.
- Integral box type guideways are hardened and ground.

OPTIONS

- Hydraulic operated steady rest
- Tool touch probe
- Live Tooling
- C-axis
- Spindle orientation
- Manual pulse generator
- Auto door
- Automatic Chip Conveyor
- Gantry loading system
- Programmable Tailstock
- Octogonal 8 - Station W&S DISC

MANUFACTURED BY:

MIVEN Machine Tools

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MANUFACTURERS REPRESENTATIVE:

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MMTL / B / 05 -01/010107