

MULTIPLEX 4300-II

PROCESS: MULTI-TASKING, TURNING

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MACHINE DESCRIPTION:

The MULTIPLEX 4300-II CNC Turning Center provides Multi-Tasking capability with dual-spindles, dual-turrets and rotary tool capability for highly efficient mid-sized lot production. Both spindles can be used to machine the front and back sides of parts, including milling operations, for Done-In-One, single-setup production. Equal in performance, both turning spindles can be used to simultaneously cut two parts at one time. Continuous simultaneous machining by both spindles is possible thanks to automatic workpiece transfer from one spindle to the other. Their synchronized rotation also delivers high-accuracy for operations involving longer shaft work with opposite part ends chucked in each spindle.

MACHINE CHARACTERISTICS:

- Dual identical performance spindles
- Dual turrets
- 12-tool capacity turrets
- Tool Eye data management system automatically registers tool position to CNC
- Automatic workpiece transfer
- Easy integration of bar feeders and gantry robots for complete automated production system

MACHINE SPECIFICATIONS

SPECIFICATION		BED LENGTH -
Capacity	Maximum Swing	16.93 in / 430 mm
	Maximum Machining Diameter	16.930 in / 430 mm
	Maximum Bar Work Capacity	3.0 in / 77 mm
	Maximum Machining Length	8.860 in / 225 mm
Main Spindle	Chuck Size	10 in
	Maximum Speed	4000 rpm
	Motor Output (30 minute rating)	30.0 hp / 22 kw
Second Spindle	Chuck Size	10 in
	Maximum Speed	4000 rpm
	Motor Output (30 minute rating)	30.0 hp / 22 kw
Turret (Upper)	Number of Tools	24
Feed Axes	Travel (X Axis)	12.20 in / 310 mm
	Travel (X2 Axis)	12.20 in / 310 mm
	Travel (Z Axis)	23.82 in / 605 mm
	Travel (Z2 Axis)	23.82 in / 605 mm