



FCT700 CNC SLANT BED DESIGN, C-Axis Std.

27" x 62"-122" bc ■ SUPERIOR EUROPEAN BUILT LATHES



CAPACITY / MODEL	28" FCT700
Swing Over Bed	28"
Swing Over Cross Slide	19.3"
Distance Between Centers	62", 82", 122" bc
Max. Turning Dia. for Outside Seat of Tool Disc	24.8"
Max. Turning Dia. for Inside Seat of Tool Disc	28"
HEADSTOCK	
Spindle Speed Range	10 - 2500 RPM
Spindle Front Bearing	8.2"
Main Drive, Continuous Duty / 40% Duty	45 / 30 HP
Spindle Nose	A2-8
Spindle Direct Drive, C-Axis Indexing, min. Increment	.001 degree
Max. Turning Torque	570 ft. lbs.
Spindle Bore without Hyd. Cylinder & Chuck	4.1" (3.58" with 12.4" chuck)
SADDLE / CROSS SLIDE	
Cross Slide Travel X-Axis	18"
Linear Scale, Direct Feed Back for X-Axis	std.
Rapid Travels, Z and X Axes	780 IPM
Ball Screw Dia., Z-Axis (X-Axis)	2" (1.57")
Width of Cross Slide	9.8"
Toolturret, 12 Position for Static Tools, std.	VDI 50
Toolturret, 12 Position for Rotating Tools, 6 Positions, opt.	VDI 50
Capacity of Tooldrive: Max Speed / Power / Torque	2500 RPM / 15 HP / 48 ft. lbs.
Toolturret, 12 Position with Y-Axis (option)	VDI 40 (+/- 2" stroke)
TAILSTOCK	
Quill Diameter, Std.	4.7"
Quill Taper	MT 5
Quill Stroke	3.9"
GENERAL	
Voltage, std.	440V / 3PH / 60Hz
70 degree slant, Width of bed slideways	15.5"
Machine Length, 82" bc	236"
Machine Width / Height	93" / 100"
Machine Weight, 82" bc	27,720 lbs.

FEATURES:

- 27.5" swing over bed x 62", 82" or 122" bc
- Siemens 840DSL with ShopTurn Manual software
- 12-Station VDI 50 Turret and C-Axis std. (optional Y-Axis)
- BIG 4.1" or 5.5" spindle bores
- Direct driven spindle or optional 2-Range Autoshifting headstock = greater HP & Torque
- 70 degree Slant Bed for easy loading & chip evacuation
- Linear feed back scale on X-Axis for increased accuracy
- Linear guideways and digital drives allowing 780 IPM rapids
- Heavy-duty design, machine weight x 82" bc over 27,000 lbs.
- Toolmex USA parts facility & factory service technicians
- Wide range of options including Y-Axis, 2-Range Autoshifting headstock, chip conveyor, "Live" tool turret, hyd. chucks & steadies, high pressure coolant, tool pre-setter, etc.