



Setup table with manual rotation and manual face slide as standard

- The state-of-the-art machine frame is constructed of premium cast-iron to ensure stability and rigidity even under very heavy machining loads
- 4-side machining is supported by a manually rotated setup table that can be locked with high precision in 4 positions
- The rotary table features a large table center support area that can handle workpiece weights up to 5.5 tons
- Spindle and facing slide speeds can be quickly adjusted via an infinitely variable rpm control
- Siemens 828D control and drives guarantee high productivity, wide functionality and maximum precision
- Excellent functional interaction between hardware and software ensure high dynamics, while motors and drive technologies provide the necessary precision

- Precision preloaded ball screws in all axes ensure high accuracy with low wear and maintenance
- The powerful motor ensures constant torque across the entire speed infinitely range
- Telescoping steel cover protects the guides from chips and dirt
- Easy maintenance due to standard central lubrication system
- Rotary table with controlled positioning are available as an option

Options

	Part No.
• 5° indexing work table for BO T 110 (L) CNC	253423
• 1° indexing work table for BO T 110 (L) CNC	253424
• 0.001° indexing work table for BO T 110 (L) CNC	253425
• Increased Y axis travel by 16	253426

Standard Equipment

Siemens 828D control, electronic hand-wheel, manual rotary table with 4-position indexing, RS-232 interface, work lamp, central lubrication, coolant system, operator manual

Specifications

		BO T 110 CNC	BO T 110 L CNC
Working Area			
Drilling capacity	in	1.97	1.97
Counterbore diameter (max.)	in	9	9
Facing slide working diameter (max.)	in	31	31
Table set up area	in	52x40	52x40
Table load capacity	lbs	11,000	11,000
Spindle center-to-table distance	in	0 - 36	0 - 36
Number of T-slots	positions	7	7
T-slots, width	in	0.9	0.9
T-slots, spacing	in	4.9	4.9
Table rotation range		4 x 90°	4 x 90°
Travels			
Travel X-axis	in	47.2	70.9
Travel Y-axis	in	35	47
Travel Z-axis	in	51	51
Travel W-axis	in	22	22
Facing slide travel	in	5	5
Headstock			
Speed range	rpm	(2) 12 - 1,100	(2) 12 - 1,100
Spindle diameter	in	4	4
Spindle Torque (max.)	ft.lb.	9,735	9,735
Spindle mount		BT 50	BT 50
Facing slide speed	rpm	4 - 125	4 - 125
Rapid Feed			
Rapid Feed X-axis	in/min	393.7	393.7
Rapid Feed Y-axis	in/min	393.7	393.7
Rapid Feed Z-axis	in/min	393.7	393.7
Rapid feed W-axis	in/min	197	197
Rapid Feed U-axis	in/min	5	5
Feed			
Feed X-axis	in/min	1 - 39	1 - 39
Feed Y-axis	in/min	1 - 39	1 - 39
Feed Z-axis	in/min	1 - 39	1 - 39
Feed W-axis	in/min	1 - 39	1 - 39
Facing slide feed	in/min	0 - 3	0 - 3
Accuracies			
Positioning accuracy X-axis	in	0.00157	0.00157
Positioning accuracy Y-axis	in	0.00157	0.00157
Positioning accuracy W-axis	in	0.00157	0.00157
Positioning accuracy Z-axis	in	0.00157	0.00157
Repeatability X-axis	in	0.00079	0.00079
Repeatability Y-axis	in	0.00079	0.00079
Repeatability T-axis	in	0.00079	0.00079
Repeatability W-axis	in	0.00079	0.00079
Work table rotation accuracy	"	12	12
Drive Capacity			
Motor rating main drive	Hp	20.1	20.1
Measures and Weights			
Overall dimensions (length x width x height)	in	217x121x115	217x150x130
Weight	lbs	29,700	35,200
Part No.		100080	100081