

BO T 130 CNC

Massive drill unit for heavy-duty high-precision machining

BO T 130 CNC shown



Wide guideways

- The large, heavily ribbed box-column base is made of premium cast-iron to ensure stability and rigidity even under very heavy machining loads
- The massive machine frame features wide guideways and is designed for table loads up to 5.5 tons
- The CNC work table indexing in 5° steps allows flexible 4-sided complete machining of the workpiece without retooling
- The powerful motor ensures constant torque across the entire infinitely variable speedrange
- The Siemens 828D CNC-ensures high productivity and precision during production
- Excellent functional interaction between hardware and software ensures high dynamics, while motors and drive technologies provide the necessary precision

- Telescoping stainless steel covers protect the guides from chips and dirt
- Precision preloaded ball screws in all axes ensure high accuracy with low wear and maintenance
- Easy maintenance due to standard central lubrication system
- Optionally the machine can be equipped with a tool changer

Options

	Part No.
• Arm-type automatic tool changer, 24 tools, for BO T 130 (L) CNC	253427
• 1° indexing work table for BO T 130 (L) CNC	253429
• 0.001° indexing work table for BO T 130 (L) CNC	253430
• Increased Y-axis travel by 16 inches	253431

Standard Equipment

Siemens 828D control, electronic hand-wheel, 5° indexing CNC work table, RS-232 interface, work lamp, central lubrication, coolant system, operator manual

Specifications

		BO T 130 CNC	BO T 130 L CNC
Working Area			
Drilling capacity	in	1.97	1.97
Counterbore diameter (max.)	in	10	10
Table set up area	in	53x39	53x39
Table load capacity	lbs	11,000	11,000
Spindle center-to-table distance	in	0 - 47	0 - 47
Number of T-slots	positions	7	7
T-slots, width	in	0.9	0.9
T-slots, spacing	in	4.9	4.9
Table indexing	deg	5	5
Travels			
Travel X-axis	in	51.2	63
Travel Y-axis	in	47	47
Travel Z-axis	in	47	47
Travel W-axis	in	22	22
Headstock			
Speed range	rpm	(2) 12 - 1,200	(2) 12 - 1,200
Spindle diameter	in	5	5
Spindle torque (max.)	ft.lb.	13,275	13,275
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 B-axis	in/min	0.22	0.22
Feed			
Feed X-axis	in/min	0 - 79	0 - 79
Feed Y-axis	in/min	0 - 79	0 - 79
Feed Z-axis	in/min	0 - 79	0 - 79
Feed W-axis	in/min	0 - 79	0 - 79
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	"	10	10
Work table repeatability	"	4	4
Drive Capacity			
Main motor rating	Hp	23 / 27	23 / 27
Measures and Weights			
Overall dimensions (length x width x height)	in	280x260x142	280x276x142
Weight	lbs	38,500	40,700
Part No.		100082	100083