

BTH-110.R18

Table-type Horizontal Boring and Milling Machine



Machine Specifications			BTH-110.R18	
Travel	X-axis travel (Cross movement of table)		mm [in]	2 500 [100]
	Y-axis travel (Vertical movement of spindle head)		mm [in]	2 000 [80]
	Z-axis travel (Longitudinal movement of table)		mm [in]	1 500 [60]
	W-axis travel (Spindle extension)		mm [in]	500 [20]
Table	Table working surface		mm [in]	1 400x1 800 [55.1x70.8]
	Table loading capacity		kg [lbs]	10 000 [22 000]
Spindle	Spindle diameter		mm [in]	110 [4.3]
	Spindle speed range		min-1	6 to 4 000
Feedrate	Rapid traverse rate	X,Y,Z	mm/min [ipm]	18 000 [708.7]
		W	mm/min [ipm]	6 000 [236.2]
		B	deg/min	720
	Feedrate		mm/min [ipm]	1 to 10 000 [0.04 to 393.7]
Spindle motor	30 min.rating / cont.rating		kW [HP]	AC30/22 [AC40/30]
Accuracy	Positioning	X,Y,Z	mm [in]	±0.004 [±0.00016]
	Repeatability	X,Y,Z	mm [in]	±0.002 [±0.00008]
Machine size	Height x Width x Depth		mm	4700 x 7000 x 6445
			in	185.0 x 275.6 x 253.7

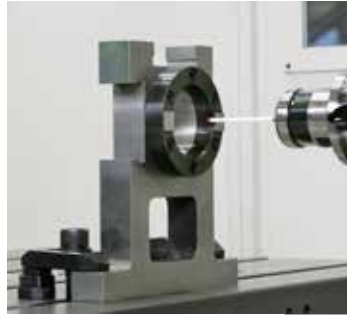
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Option Accessories



Angle head

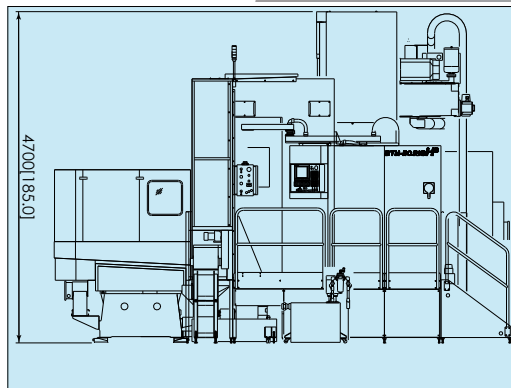
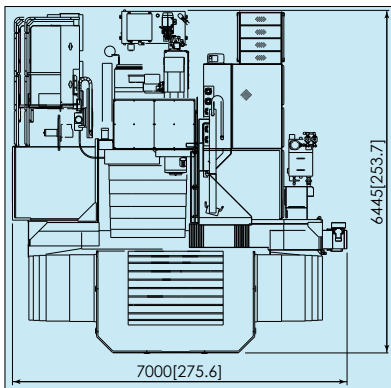


Automatic Measuring



Automatic Tool Length Measuring

Machine General Views



Machine Accessories

TOSNUC 999 Control system
Auto spindle clamp unit
Spindle cooling unit
Auto power shut down
High power spindle drive motor
Long nose spindle head [Extended 7.87in](OP)
CTS
HEIDENHAIN feed back scale X,Y,Z and B

Number of Auto Tool Change : 60
CAT 50
Table reference piece
Table indexing 0.0001deg and locate pin on every 90deg
Safety cover on operator side and ATC side
Manual operation box with current position monitor

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