

YASDA

5-axis CNC Horizontal Jig Borer



YBM 7Ti

Features

- Integrated B/C axis table on table
- Direct Drive self-adjusting spindle preload
- Hybrid box guide way with roller pack
- Optical scale feedback
- Symmetrical bridge structure
- DD Direct Drive B/C axis motors
- Advanced thermal displacement
- Spindle head
 - X Saddle Unit
 - Top Beam
 - B/C Axis

Options

- Choice of probing systems
- Through spindle coolant (TSC)
- 450 ATC capacity

Benefits

- 5 sided machining with a single set-up
- Rigid structure designed for hard milling die mold and aerospace applications
- Dramatically reduces the number of process steps and time
- Machine structure is designed for high-precision and high surface part quality
- Shorter tool lengths allow for higher feed rates and shorter cycle times

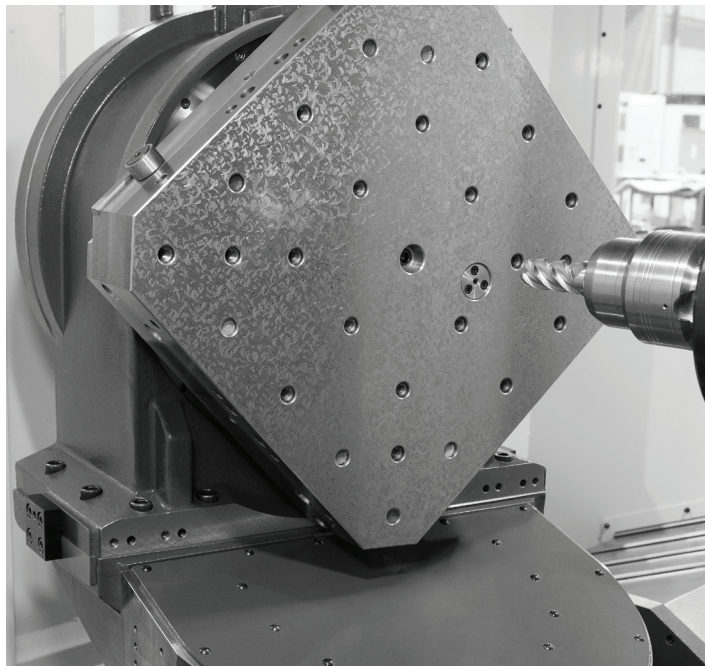
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VBM 7Ti CNC Jig Borer | Specs

Model	Unit	YBM 7Ti
Travel		
X/Y/Z Axis Travel	mm	1250 x 1000 x 1100
B/C Travel (Rotary Table)	°	B: +110 ~ -110 / C: 360
Min. Indexing Angle	°	.0001
Table		
Pallet Size	mm	500 x 500
Pallet Load Capacity	kg	500
Maximum Swing Diameter of Work Piece	mm	ø 630
Table Surface Configuration	Tapped Holes	29-M16
Spindle		
Spindle Speed	RPM	50 - 10000
Spindle Taper	Big Plus	7/24 no. 50 Dual Contact
Spindle Power	kw	AC18.5/22 (30 Min Rating) x2

Model	Unit	YBM 7Ti
Feedrate		
X-Axis Rapid Traverse	mm/min.	45000
Y/Z Axis Rapid Traverse	mm/min.	48000
B/C Axis Rapid Traverse	min ⁻¹	B: 100 / C: 70
Control		
Control	FANUC	31i-B5
Display Panel	-	10.4" Color LCD
Part Memory Length	-	256kb (640m)
Custom Macro	Common Variables	600
Programs Register	-	1000
Tool Offset Number / Memory	-	200 pairs / Memory C
Automatic Measuring	Renishaw	LP-2 and OMP400
Ethernet	-	FOCAS 2
Data Server	-	1GB
Tool Changer		
Number of Tools	Std.	120

*Specifications subject to change without notice



Standard Equipment

- 5 axis CNC jig borer
- FANUC 31i-B5 color LCD control
- 2 position automatic pallet changer (APC)
- Optical scale feedback on X/Y/Z/B/C axis .0001mm command compliant
- 50 – 10000 rpm Big Plus 50 taper spindle
- 120 capacity tool capacity
- Tool memory C / 64 pairs
- Thermal displacement system
- Chip conveyor
- Yasda high speed HAS machining system
- 1 GB ATA flash card data server
- 8 MB part program storage
- Renishaw OMP 400 spindle probe

Methods

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