



BML-280
Unit: mm(inch)

ITEM	BML-280							
Capacity	Swing over bed	Ø 600 (Ø 23.63)						
	Diameter x length	Ø300 x 600 (Ø 8.27 x 23.63); OPT: Ø 420x600						
	Max. turning diameter	STD:Ø 300 (Ø 11.03); OPT: Ø 420						
Machine Body	Slant angle of bed	30°						
	Max. travel range of Z/X-axis	600 / 170 (23.63 x 6.70)						
	Servo motor of Z/X-axis	Z-axis: 3 kW (HP); X-axis: 3 kW (HP)						
	Rapid traverse rates of Z/X-axis	20 / 16 m/min						
	Distance of spindle front bearing bore	STD: Ø 100 (Ø 3.94); OPT: Ø 120 (Ø 4.72)						
	Diameter of spindle bore/Draw bar bore	STD: Ø 62 / Ø 52 (Ø 2.44 / Ø 2.05) OPT: Ø 86 / Ø 75 (Ø 3.38 / Ø 2.95)						
	Spindle nose type	STD:ASA A2-6; OPT:ASA A2-8;						
	Taper of spindle bore	1/20						
	Spindle motor	STD: 11/15 kW (15/20 HP); OPT: 15/18.5 kW (20/25 HP)						
	Spindle speed	STD: 8" chuck 4500 rpm; OPT: 10" chuck 3500 rpm						
	Chuck diameter	STD: Ø 8" ; OPT: Ø 10"						
	Hydraulic Tailstock	Quill diameter						
Tailstock travel		600						
Center type		Live						
Center taper		STD:MT. No.4 OPT: MT. No.5						
Center stroke		150						
Tools Turret	Type	Vertical		VDI		Live Tooling		
	Tool stations	OPT: 8	STD: 10	OPT: 12	STD: 8	OPT: 12	STD: 8	OPT: 12
	Boring bar holder	4	5	6	4	6	2	3
	External tool holder	-	-	-	2	4	2	4
	Internal holder	2	2	2	2	2	1	2
	Radial power tool (PRR)	-	-	-	-	-	1	1
	Axial power tool (PRR)	-	-	-	-	-	2	2
	Tool shank	□25 x 25 (□1 x 1)						
Index time (T-T) sec	0.6							
Drive Motor	Coolant motor	960 W (1.1 HP)						
	Hydraulic motor	1.5 kW						
	Chip conveyor motor	0.2 W (1/4 HP)						
Accuracy	Positioning (Z/X)	+- 0.004						
	Repeatability (Z/X)	+- 0.003						
Miscellaneous	Power requirement	208-220 Volts / 100 Amps / 26kVA						
	Height from floor to spindle center	1100						
	Floor area (L x W x H)	3770 * 2658						
	Packing dimensions (with chip conveyor)	3830*2120*2120						
	Net weight	5430						
	Gross weight	5730						

Note: specifications are subject to change without prior notice.

**STANDARD ACCESSORIES**

1. *FANUC 0i-TC Controller*
2. *A2-6 Spindle, FANUC α P22 11/15 kW Spindle Motor Spindle Speed: 4,500 rpm*
3. *8" Hydraulic Chuck (Including One Set of Soft and Hard Jaws)*
4. *5 Sets of Clamps for O.D. Turning Tools*
5. *5 Sets of 40mm Boring Bar Holders*
6. *Boring Bar Bushings (7 pcs) (\varnothing 8, \varnothing 10, \varnothing 12, \varnothing 16, \varnothing 20, \varnothing 25, \varnothing 32) \times O.D. 40*
7. *Taper Sleeves (MT. No.2, MT. No.3, MT. No.4) \times O.D. 40*
8. *10-Tool Hydraulic Turret*
9. *Manual Body Hydraulic Tailstock (programmable-like)*
10. *MT No.4 Tailstock Quill*
11. *Coolant System*
12. *Coolant Tank*
13. *Chip Conveyor + Chip Bucket*
14. *Leveling Bolts and Pads*
15. *Grease Lubrication System*
16. *Work Lamp*
17. *Foot Pedal for Chuck*
18. *Tool Kit*
19. *Grease Gun*
20. *End of Program Light*
21. *Operator's Manual*
22. *Maintenance Manual*
23. *Programming Manual*
24. *Parts List*

OPTIONS

1. *Fanuc 18i-TC*
2. *Mitsubishi Controller*
3. *Siemens Controller*
4. *A2-8 Spindle, FANUC α P30 15/18.5 kW Spindle Motor Spindle Speed: 3,500 rpm*
5. *10" Hydraulic Chuck (Including One Set of Soft and Hard Jaws)*
6. *Collet Chuck and Hydraulic Cylinder*
7. *Bar Feeder*
8. *Bar Feeder Interface*
9. *8/12-Tool Hydraulic Turret*
10. *V.D.I. Turret (10 or 12 Tools)*
11. *MT No.5 Tailstock Quill*
12. *Power Tooling (C-axis)*
13. *Centralized Lubrication System*
14. *Parts Catcher*
15. *Oil and Coolant Separator*
16. *Automatic Door*
17. *Oil Mist Collector*
18. *Foot Pedal for Tailstock*
19. *Manual Tool Setter*
20. *Automatic Tool Setter*
21. *Transformer*
22. *M80 Auto Power Off*
23. *EMC CE Accessory*
24. *Programmable Tailstock*