



奕達精機股份有限公司

YI-DA PRECISION MACHINERY CO., LTD.

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ML-280

Unit: mm(inch)

ITEM		ML-280
Capacity	Swing over bed	Ø 600 (Ø 23.6)
	Diameter x length	Ø300 x 600 (Ø 11.8 x 23.6)
	Max. diameter	Ø 300 (Ø 11.8)
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	30 / 24 m/min (1181 / 945 ipm)
	Distance of spindle front bearing bore	STD: Ø 100 (Ø 3.9); OPT: Ø 120 (Ø 4.7)
	Diameter of spindle bore/Draw bar bore	STD: Ø 62 / Ø 52 (Ø 2.4 / Ø 2.0)
		OPT: Ø 86 / Ø 75 (Ø 3.4 / Ø 2.9)
	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(23.6)
	Center type	Live
	Center taper	STD:MT. No.4 OPT: MT. No.5
	Center stroke	150(5.9)
Tools Turret	Type	STD: Hydraulic; OPT: Servo, Live tooling
	Capacity	STD: 10; OPT: 8/12
	Tool shank	□25 x 25 (□1 x 1)
	Index time (T-T) (sec)	0.6
Drive Motor	Coolant motor	960 W (1.3 HP)
	Hydraulic motor	1.5 kW (2 HP)
	Chip conveyor motor	0.2 W (1/4 HP)
Miscellaneous	Power requirement	208-220 Volts / 100 Amps / 26 KVA
	Height from floor to spindle	1100 (43.3)
	Floor area (L x W)	3770.5 x 2658 (148.4 x104.6)
	Packing dimensions (with chip conveyor)	3830x2120x2120 (151x 83 x 83)
	Net weight	5430 kg (11946 lbs)
	Gross weight	5730 kg (12606 lbs)

Note: specifications are subject to change without prior notice.



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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. 4 Sets of Clamps for O.D. Turning Tools
5. 4 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