Vertical Machining Centers | EV-860

Written by Administrator
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VIDEO

Specifications

ITEM		EV-860
Table	Dimensions	1000 × 600
	Working area	860 × 600
	T-slot	CD100 × 18 × 5
	Max. loading capacity	600 kg
Travel Range	Max. travel range of X/Y/Z-axis	860 / 600 / 610
	Distance from spindle nose to table surface	120-730
	Distance from spindle center to column	700
Spindle	Spindle taper	ISO No.40
	Spindle nose outer diameter	Ø 70
	Spindle speed	STD: 8,000 rpm; OPT: 10,000; Direct-drive: 10000, 12000 rpm
Feedrate	Feedrate of × /Y/Z-axis	1 -10000 mm /min
	Slideways of × /Y/Z-axis	Linear guideway
	Rapid traverse of × /Y/Z-axis	Fanuc: 36 / 36 / 30 m/min
Tool Magazine	Tool capacity	STD: 24 pcs; OPT: 30 pcs
	Tool selection	Bi-direction & the shortest selection
	Max. tool diameter w/ adjacent × max. length	Ø 80 × 300
	Max. tool diameter w/o adjacent × max. length	Ø 150 × 300
	Max. tool weight	8 kg
	Tool shank	BT40 or V40CT or SK40
Drive Motor	Spindle drive motor	Fanuc: β iI8/10000 7.5/11 kW OPT: Mitsubishi SJ-D11/80-01-C/10000
	Servo motors of X /Y/Z-axis	Fanuc: X/Y β is12/3000 (1.8kW), Z β is22/2000 (2.5kW) Mitsubishi X/Y HF204S-A48 (2kW), Z HF303BS-A48(3kW)
	Coolant motor	960 W + 1080 W
	Chip conveyor motor	215 W
Accuracy	Positioning	± 0.005
	Repeatability	± 0.003
Miscellaneous	Power requirement	208-220V / 55 Amps / 3 Phase
	Floor area (W × D × H)	2864 × 2576 × 2721
	Packing dimension (W × D × H)	3670 × 2280 × 2510

Net weight (approx.)	5980 kgs
Gross weight (approx.)	6270 kgs

*Specifications are subject to change without notice

Standard Accessories

- FANUC 0i-MD controller + 8.4" color LCD + manual guide 0i
- Fanuc spindle motor 7.5/11 kW (approx)
- FANUC servo motor 1.8/1.8/2.5 (β type)
- BT40 8,000 rpm spindle
- Arm Type ATC 24 Tools
- Cutting coolant system
- Spindle Taper Cleaner
- T-Slot Table
- M.P.G.
- Heat Exchanger for Electrical Cabinet
- Automatic Lubrication System
- Fully Enclosed Splash Guard
- Work Lamp
- End of Program Light (Three Color)
- Rigid Tapping
- M30 Auto Power Off
- Tool Kit
- Leveling Bolts and Pads
- Screw type chip conveyor and chip cart
- YIDA manuals (operator & maintenance, parts list, electrical drawing)
- Fanuc manuals
- 2-year FANUC controller warranty
- 1-year machine parts warranty (Ex-work Factory)
- Linear guide way
- Class C2 ballscrews

Options

- FANUC 31i-MB
- Siemens Controller
- Heidenhain Controller
- Mitsubishi Controller
- BT40 10,000 rpm; Direct-drive: 10000, 12000 rpm
- BT40 Arm Type A.T.C 30 Tools
- Coolant Through Spindle
- Heat Cooling System
- 4th or 5th Axis
- High Pressure Coolant System
- Oil and Coolant Separation System
- Coolant through Tool Tip
- Link Belt Type Chip Conveyor + Chip Bucket
- Chip Flushing System
- Automatic LUBE LHL lubrication System
- Transformer
- Optical Scale
- Tool Measurement Device
- Workpiece Measurement Device
- CE Mark
- Roller type guide way
- APC