



## Specifications

| ITEM                                          | BMV-1220                                                                    |
|-----------------------------------------------|-----------------------------------------------------------------------------|
| Table Dimensions                              | 1500X650 (59.0 × 25.6)                                                      |
| Working area                                  | 1220X680 (48.0 × 26.8)                                                      |
| T-slot                                        | CD150X18X4 (CD5.9 × 0.7 × 4)                                                |
| Max. loading capacity                         | 1200 kg ( 2640 lbs )                                                        |
| Travel Range                                  | Max. travel range of X/Y/Z-axis 1220 / 680 / 680 (48.0x 26.8 × 26.8)        |
| Distance from spindle nose to table surface   | 1508mm (59.02 in)                                                           |
| Distance from spindle center to table surface | 760 (29.9) mm                                                               |
| Spindle                                       | Spindle taper ISO No.40                                                     |
| Spindle nose outer diameter                   | Ø70 ( Ø 2.8)                                                                |
| Spindle speed                                 | STD: 10,000 rpm; OPT: 12,000 rpm                                            |
| Feedrate                                      | Feedrate of × /Y/Z-axis 1 -6000 mm /min (0.04-236.2 ipm)                    |
| Slideways of × /Y/Z-axis                      | Box way                                                                     |
| Rapid traverse of × /Y/Z-axis                 | 18m /min (709 ipm)                                                          |
| Tool Magazine                                 | Tool capacity 24 pcs; OPT: 30 pcs                                           |
| Tool selection                                | Bi-direction & the shortest selection                                       |
| Max. adjacent tool diameter or length         | Ø80 or 250 ( Ø 3.15 × 9.84)                                                 |
| Max. tool weight                              | 6 kg (13.2 lbs)                                                             |
| Tool shank                                    | BT 40 or V40 CT or V40 ANSI                                                 |
| Drive Motor                                   | Spindle drive motor STD: 11/15 kW (15/20 HP);<br>OPT: 15/18.5 kW (20/25 HP) |
| Servo motors of X/Y/Z-axis                    | 4 kW (5.4 HP)                                                               |
| Coolant motor                                 | 960 W (1.3 HP)                                                              |
| Chip conveyor motor                           | 215 W ( 1 / 4 HP)                                                           |
| Accuracy                                      | Positioning ± 0.005                                                         |
| Repeatability                                 | 0.003                                                                       |
| Miscellaneous                                 | Power requirement 208-220V / 75 Amps/ 3 Phase                               |
| Floor area (W × D × H)                        | 3380 × 2603 × 2670 (133 × 102.5 × 105)                                      |
| Packing dimension (W × D × H)                 | 3700 × 2130 × 2550 (145 × 83.5 × 100)                                       |
| Net weight (approx.)                          | 9910 kgs (21802 lbs)                                                        |
| Gross weight (approx.)                        | 11110 kgs (24442 lbs)                                                       |

\*Specifications are subject to change without notice

## Standard

- FANUC Drive Lubrication System
- BT40 10,000 rpm Spindle Work Lamp
- Cutting Coolant System • Tri-color End of Program Light
- Spindle Oil Cooling System • Tool Kit
- Spindle Taper Cleaner    Leveling Bolts and Pads
- Arm Type A.T.C 24 Tools Rigid Tapping
- T-Slot Table    • Operator's Manual
- M.P.G    • Maintenance Manual
- Rigid Tapping    Programming Manual
- Heat Exchanger for Electric Parts Cabinet
- Fully Enclosed Splash Guard Auto Power off

### Optional

- Coolant Through Spindle Tip
- Siemens Controller    • Link Belt Type Chip Conveyor + Chip Bucket
- Heidenhain Controller    • Chip Flushing System
- Mitsubishi Controller • Automatic Lubrication System
- BT40 12,000 rpm Spindle Transformer
- BT40 Arm Type A.T.C 30 Tools    Optical Scale
- Coolant Through Spindle • Tool Measurement Device
- Heat Cooling System • Force Measurement Device
- 4    th    or 5    th    Axis

- High Pressure Coolant System    Sling Frame or Eye Bolts
- Oil and Coolant Separation System