

Model		MD-50BV
Drilling Capacity	Mild Steel	25mm (1")
	Cast Iron	30mm (1-3/16")
Tapping Capacity		M16 (5/8") (opt.)
Face Milling Capacity		65mm (2-9/16")
End milling cap		20 mm (3/4")
Spindle Taper		MT3 or R8
Quill Travel		120 mm (4-3/4")
Quill Diameter		75 mm (3")
Column Type		Square
Spindle Nose to Table		520 mm (20-1/2")
Spindle Center to Column		275 mm (10-4/5")
X-axis Travel		440 mm (17-5/16")
		550 mm (21-5/8") <i>(enlarge table to 840mm.)</i>
Y-axis Travel		280 mm (11")
Z-axis Travel		410 mm (16-1/8")
		490 mm (19-5/16") (opt.)
Table Size (L x W)		210 x 730mm (8" x 28-3/4")
		210 x 840mm (8" x 33-1/16") (opt.)
Table Slot		16mm (5/8")
Base Size (L x W)		400x640mm (15-3/4" x 25-1/5")
Spindle Speed Range (rpm)		50~3200
Main Motor		1.5hp / 3ph or 1 ph
Net Weight / Gross Weight Machine		420 / 455kgs(924/ 1001lbs)
Stand		54.50 kgs (120 lbs)
(opt.) Stand Size (L x W x H)		830 x 620 x 798 mm (32-11/16" x 24-7/16"x 31-7/16")
Machine Size (L x W x H)		1100 x 910 x 1325 (43"x 35"x 52")



The MD-50BV is an inverter timing belt driven variable speed drilling & milling combo machine. It can do multi work with drilling, milling, tapping and ream. The inverter variable speed has range from 50 to 3200 rpm and allows users to drill and tap various steels at the proper speed, which extends tooling life and avoids unnecessary energy lost. When drilling at the exact speed, the tooling life can last for longer life than the regular pulley driven drills. The variable speed adjustments can be done freely within the range by a speed potentiometer knob. The MD-50BV has standard 1.5hp with 30mm (1-3/16") drilling capacity. The wide casting square column and base provides strong support to the entire machine and reduces flexing as full capacity drilling. The high precision work table is made of premium casting iron that enhances the stability when drilling full capacity; the surface has the wide T-slot which helps securing vises, tooling or workpieces. The MD-50BV has other available optional accessories: adjustable handle, coolant system, guarding, sheet metal stand and LED working light.

## Wider Table

Provide wider travels for larger workpiece and more versatile machining.

## Wider Speed Range

Lower RPM for heavy duty drilling and milling with strong torque.

### FEATURES

- 25mm (1") thru mild steel.
- Multiple functions: drilling, milling, tapping (opt.)
- Boring and reaming.
- MT3 or R8 spindle taper.
- Inverter variable speed belt driven.
- Digital rpm readout.
- High precision T-slot worktable.
- Hand Oil Lubricator.
- Single phase (220V) available.

### OPTIONS:

1. Safety Guard with microswitch.
2. Tapping function.
3. Extend the working table to 840mm.
4. Z-axis travel extends 80mm.
5. Coolant system.
6. Stand with chip tray.
7. Three grains adjustable handle.

