



PRODUCTS

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**TOPPER**

**HONOR**

## DIE-MOLD VERTICALS

C Frame type | Bridge type

### C Frame type

- Meehanite cast iron frame and linear slide ways for fast, precise movement
- Wide door opening for easy load/unload
- Preloaded double anchored ball screws
- Direct coupled ball screw to servo
- Rigid tapping standard
- 2 auger conveyors in Y axis for excellent chip flow
- 3 layer mechanical seal and air blow curtain design for front spindle bearing to prevent coolant contamination
- Reinforced pull stud mechanism for better accuracy and lifetime of spindle bearings
- Optional coolant through the spindle
- Standard high speed functions like Data server, look ahead, Ethernet and HPCC with RISC



QVM-1100

	MDV-508	QVM-1100
Work Area (in)	37.4 x 19.7	47.2 x 23.6
Load Capacity (lbs)	1100	1100
Spindle Speed (rpm)	12000	12000
Spindle Speed Opt. (rpm)	20000	20000
X axis travel (in)	33.5	43.3
Y axis travel (in)	19.7	23.6
Z axis travel (in)	20.9	20.1
X rapid std/opt (ipm)	1181	945/1546
Y rapid std/opt (ipm)	1181	945/1546
Z rapid std/opt (ipm)	1181	945/1546
Tool capacity	24	24
Tool type	7/24 No. 40	7/24 No. 40
Tool type (option)	HSK63A	HSK63A
Std. Spindle Motor (hp)	30	30
Opt. Spindle Motor (hp)	40	40
Machine weight (lbs)	11000	19800
Control	Fanuc OiM	Fanuc 18iM

### Bridge type

- High rigidity double wall structure for accuracy and stability during high speed machining
- Meehanite cast iron frame and linear slide ways for fast, precise movement
- Wide door opening for easy load/unload
- Preloaded double anchored ball screws
- Direct coupled ball screw to servo
- Rigid tapping standard
- 2 auger conveyors in Y axis for excellent chip flow
- 3 layer mechanical seal and air blow curtain design for front spindle bearing to prevent coolant contamination
- Reinforced pull stud mechanism for better accuracy and lifetime of spindle bearings
- Optional coolant through the spindle
- Standard high speed functions like Data server, 600 block look ahead, AI nano HPCC, interpolation and contour control



**MDV-812**

	MDV-812
Work Area (in)	52 x 31.5
Load Capacity (lbs)	4400
Spindle Speed (rpm)	12000
Spindle Speed Opt. (rpm)	20000
X axis travel (in)	47.2
Y axis travel (in)	31.5
Z axis travel (in)	19.7
X rapid std/opt (ipm)	1181
Y rapid std/opt (ipm)	1181
Z rapid std/opt (ipm)	1181
Tool capacity	16
Tool type	7/24 No. 40
Tool type (option)	HSK63A
Std. Spindle Motor (hp)	30
Opt. Spindle Motor (hp)	40
Machine weight (lbs)	28600
Control	Fanuc 18iM

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