



Saipa Heavy Dies Manufacturing Company



Vertical Machining Center
DMV-800

High Precision
High Rigidity
High Performance



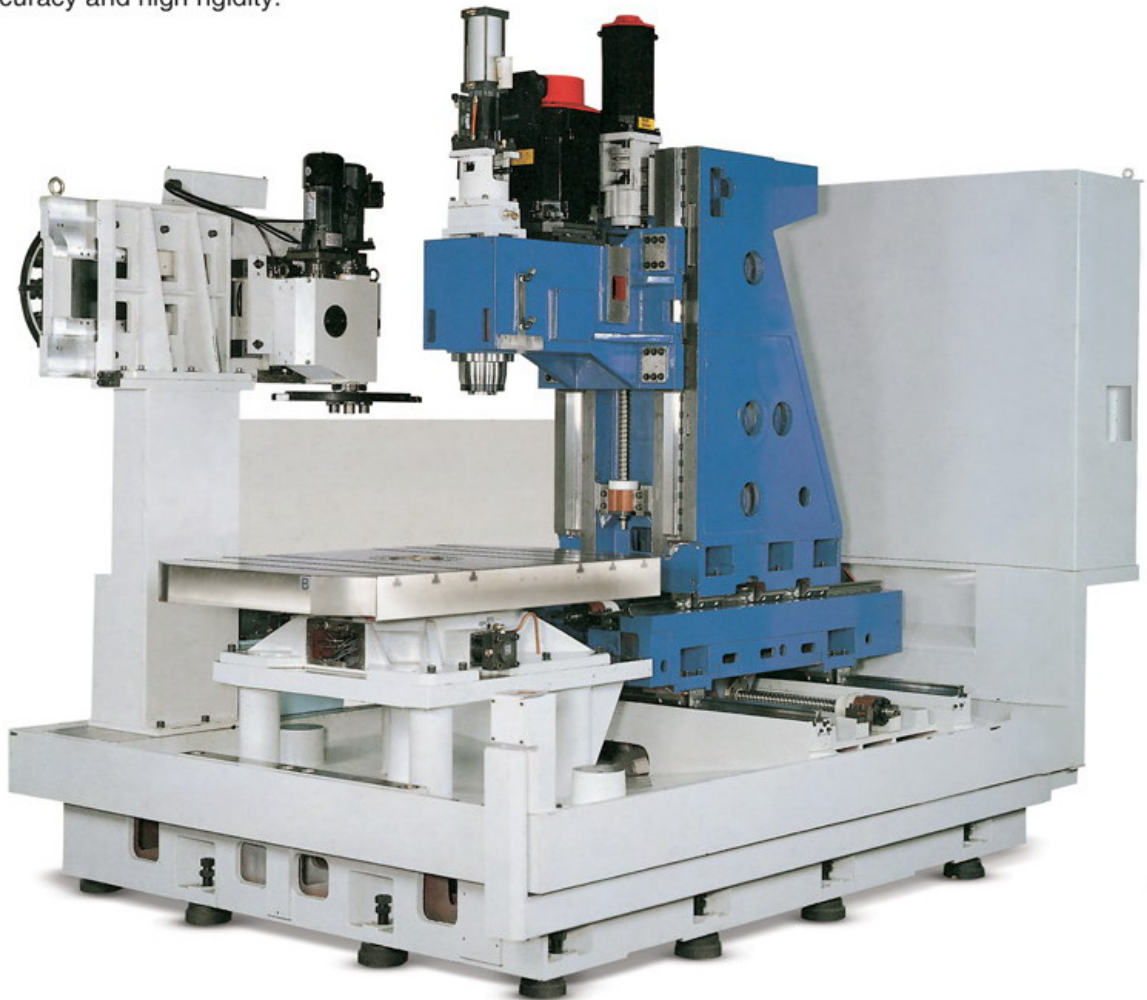
DMV-800

Maximize Productivity and Profits with IHDM DMV-800

- The traveling column structure and fixed table design ensures the machine travel is not affected-regardless of workpiece weight variation. This assures consistent accuracy at all times.
- The major casting parts are designed and analyzed by advanced "Finite Element Analysis" for optimum structural rigidity and accuracy.
- Linear roller guide ways on 3 axes meet requirements for both high rigidity and high speed feeding.
- The 32 tool capacity magazine is isolated from the machining area which prevents tool contamination from chips or coolant.
- Swing type APC permits fast workpiece change.

Quality

- Major machine parts are manufactured from rigid cast iron for maximum structural stability.
- Double-wall box type structure provides added rigidity while reducing thermal strain to minimum.
- Linear roller guide ways on the three axes feature high accuracy and high rigidity.
- The tool magazine is isolated from the machining area to prevent contamination from chips or coolant.
- Traveling column structure ensures smoothness and efficiency of machining.





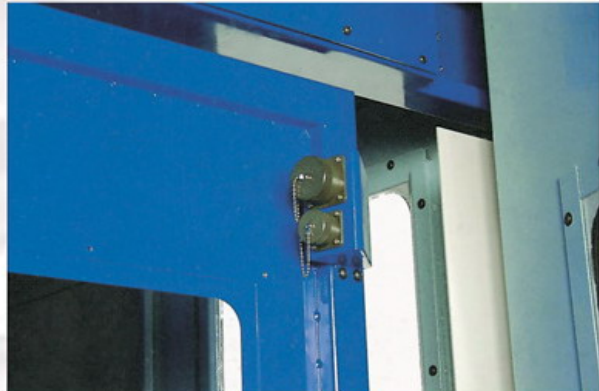
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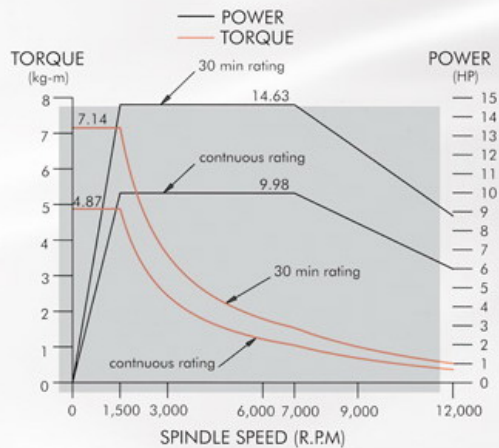


SCREW TYPE CHIP CONVEYOR (OPTIONAL)
Removes chips automatically saving time and efforts.

4th AXIS ROTARY TABLE (OPTIONAL)
Permits flexible machining of circular and prismatic parts.



**SPINDLE POWER / TORQUE
DIAGRAM (12,000 RPM)**



The optional direct drive 12,000 rpm spindle features excellent rigidity and precision (optional)

SPECIFICATIONS:

MODEL	DMV-800
TABLE	
T-Slots (width x number x distance)	18 x 3 x 150 mm
Max. table load (single side)	600 kgw
Height from table surface to floor	880 mm
TRAVEL	
X axis	800 mm
Y axis	560 mm
Z axis	560 mm
Distance between spindle to table surface	150 ~ 710 mm
FEED	
Feed rapid traverse : X basis	36 m/min
Feed rapid traverse : Y axis	36 m/min
Feed rapid traverse : Z axis	36 m/min
Cutting feed	1 ~ 10000 mm/min
Minimum input increment	0.001 mm
SPINDLE	
Spindle motor (30 min. Rating/ continuous rating)	11 KW / 7.5 KW
Spindle taper	# 40
Spindle speed	80 ~ 8000 rpm
ATC SYSTEM	
Tool storage capacity	32
Tool shank	BT40
Max. tool weight	8 kgw
Max. tool length	300 mm
Tool selection	Random
OTHERS	
Power requirement	220V ± 10% 50 / 60Hz ± 2% 60 KVA
Air pressure	6 kg / cm ²
Coolant tank	400 ℓ
Net weight	11000 kgw
Floor space	2700 x 4300 mm

STANDARD ACCESSORIES

- Full Guard
- Automatic Pallet Changer
- Swing Type Control Panel
- Coolant Wash
- Screw Type Chip Conveyor
- Spindle cooler
- Heat Exchanger
- Removable Manual Pulse Generator
- Coolant Around Spindle
- RS-232 Interface
- Automatic Power Off
- Call Light
- Automatic Lubrication Equipment
- Work Light
- Tool Kit
- Spare Fuses
- Rigid Tapping

SPECIAL ACCESSORIES

- 10,000/12,000/15,000 rpm Optional Speed
- Flat Type Chip Conveyor and Chip Wagon
- Coolant Through Spindle With Filter
- Coolant Through Tool
- 4th Axis Connector
- Rotary Table With 4th Axis Control
- Automatic Tools Length Measuring Device (Renishaw TS-27)
- Automatic Centering Device (Renishaw MP-10)

Specifications are subject to change without prior notice.

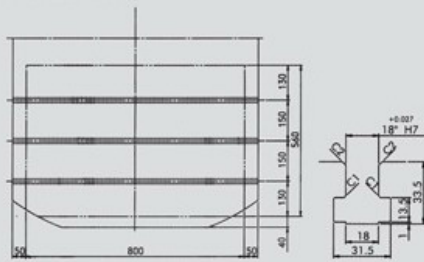


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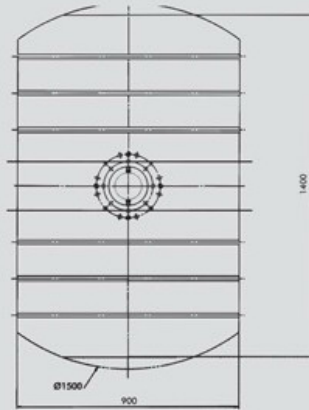
DMV-800

DIMENSION DIAGRAM:

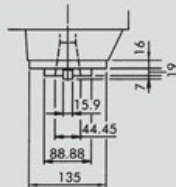
PALLET SIZE



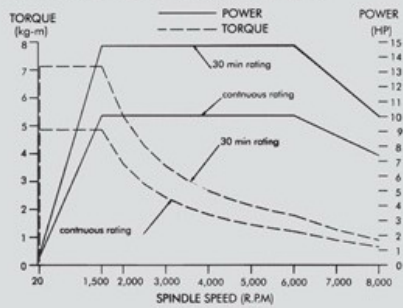
Swing Type Automatic Pallet Changer



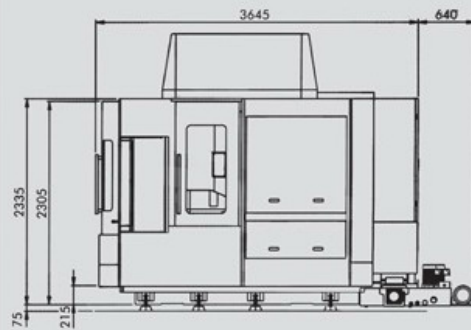
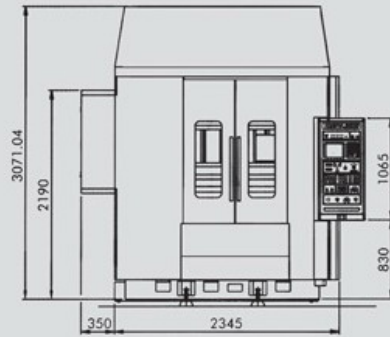
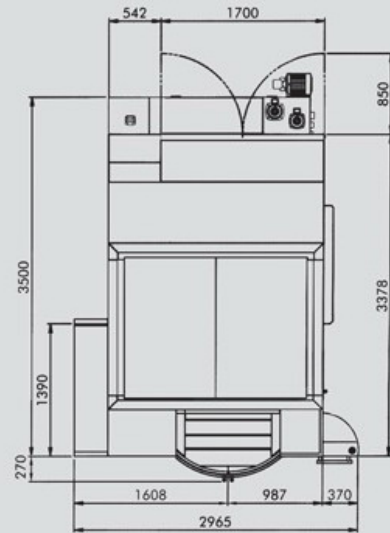
SPINDLE TAPER



SPINDLE POWER / TORQUE DIAGRAM(8,000 RPM)



MACHINE DIMENSIONS:





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