Sydney: (02) 9890 9111
Brisbane: (07) 3715 2200
Melbourne: (03) 9212 4422
Perth: (08) 9373 9999
Adelaide: (08) 9373 9969
sales@machineryhouse.com.au
www.machineryhouse.com.au

Product Brochure For M8407

CNC 5 Axis Machining Centre - DVF5000

15,000rpm built-in spindle



Please Call

ORDER CODE:	M8407
MODEL:	DVF5000
X Travel (mm):	625
Y Travel (mm):	450
Z Travel (mm):	400
A Travel (deg):	~
B Travel (deg):	140 (-30 / +110)
C Travel (deg):	360
Table Size (mm):	Ø500 x 450
MAX Workpiece Height (mm):	450
Table Capacity (kg):	400
Spindle - Table (mm):	150-550
Spindle - Table (mm):	~
Spindle - Table (mm):	~
Spindle Taper:	BT40 - BigPlus
Spindle Speed (rpm):	15,000
Spindle Motor (kW):	18.5
Rapid Traverse (m/min):	40
Guideways:	LMG
Tool Change:	60 Tool
Control:	Fanuc 31iMB5 & 5 Axis Simultaneous

DN SOLUTIONS

Made in SOUTH KOREA

1 YEAR WARRANTY

Description

Specifications
• 620, 450, 400mm X, Y, Z Travels
• 1400 (-30 ~ +1100) A Axis tilting table
• 3600 C Axis Rotary table
• Ø500mm x 450mm table size
• Ø550mm x 450mm high workpiece capacity (see brochure for working envelope)
• 150 – 550mm spindle to table (@A-00)
• 400kg table load capacity
• 40m/min X, Y & Z rapid feed rates
• 20rpm A & C Axis rapid feed rates
• 15,000 rpm spindle speed
• 18.5kW spindle power
• 118Nm spindle torque
• BT40 Dual contact (Big Plus) spindle
• 7,500kg machine weight
• CE Regulation Specification

Main Spindle
• 15,000 rpm heavy duty spindle
• BT40 “Big Plus” dual contact spindle nose
• 18.5kW direct coupled Fanuc spindle motor
• Air blast through spindle
• Spindle side air blower
• Spindle oil cooler
• Spindle air curtain

CNC Control
• Fanuc 31i-B5 Series CNC Controller
• Fanuc 15” Colour LCD with iHMi
• 5 Axis Simultaneous Machining
• Intelligent Kinematic Compensation
• Rigid-synchronised tapping
• Helical interpolation
• Nano Interpolation
• Large capacity Memory 2GB
• 1000 Block Look ahead

• Machine Condition Selection Function
• Custom Macro B
• USB & PCMCIA Card Slot
• Ethernet Interface & RS232 Interface
• Easy operation package including:
o Graphical tool table
o Self diagnostics
o Onboard G & M code assistance

Axis Motors & Drives
• Fanuc servo drive amplifiers
• Fanuc high torque direct coupled ac digital servo motors
• Fanuc absolute position encoders (no axes limit switches required)
• Highly rigid, precision, wide span roller guideways
• Large diameter pretensioned precision reciprocating ballscrews
• Automatic grease lubrication equipment
• Linear Scales X, Y & Z

Tool Changer
• High-speed arm type automatic tool changer 1.5 second tool to tool
• 60 tool chain type bi-directional side mounted magazine
• LCD Control screen

Coolant System
• Flood coolant
• Box type screen filter
• Fully enclosed chip & coolant shield
• 410L coolant tank & chip pan
• 30 Bar Through Spindle Coolant 3.7kW & 29L/min

Electrical
• Door safety interlock switch
• Heat exchanger for electrical cabinet
• Line filter
• Transformer
• Auto power off
• Operators panel with symbols and text

Swarf Removal
• Hinged belt type chip conveyor (scraper type all in one)

Included Features
• Renishaw TS27 Swivel type Tool Setter
• Renishaw RMP60 Spindle Probe
• Operator Lamp (Green, Amber, Red)
• Remote MPG (Portable Hand Wheel)
• Control panel with > 90° swivel
• LED Work light
• Z axis heat displacement control device
• Operating & maintenance manuals
• Electrical schematics
• Tool box
• Datum ball & Master Tool

Support and Service
• In house specialised applications engineers.
• In house service and support technicians.
• Ongoing phone support for the life of the machine.

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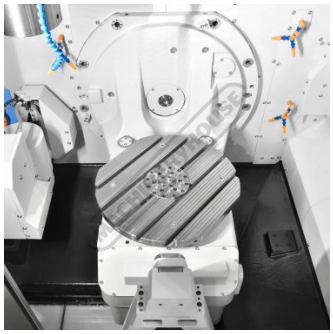
Specific Features

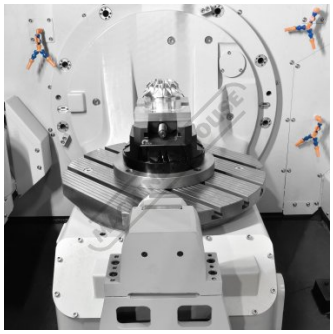

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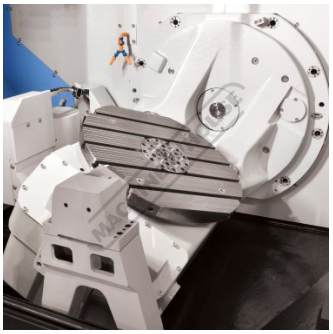

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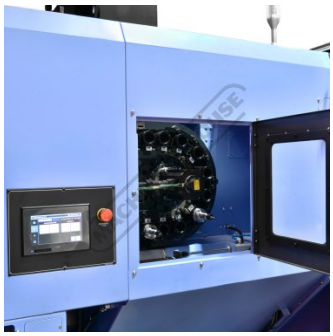

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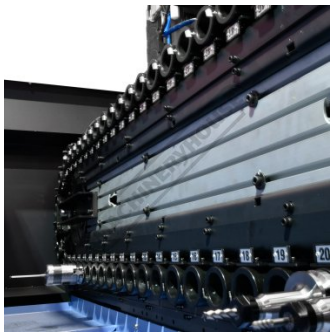

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