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 M8412

DNM 500 II CNC Vertical Machining Centre



ORDER CODE:	M8412
MODEL:	DNM 500 II
X Travel (mm):	1020
Y Travel (mm):	540
Z Travel (mm):	510
Table Size (mm):	1200x540
Table Capacity (kg):	800
Spindle - Table (mm):	150-660
Spindle Taper:	BT40 - Big Plus
Spindle Speed (rpm):	12,000
Spindle Motor (kW):	18.5
Rapid Traverse (m/min):	36/36/30
Guideways:	Roller LMG
Tool Arm Type (No.):	30
Control:	Doosan Fanuc I Series
Programming:	EZI Guide I Conversational

DN SOLUTIONS

Made in SOUTH KOREA

1 YEAR WARRANTY

Description

Basic Specifications
• 1020, 540, 510mm X, Y, Z travels
• 1200 x 540mm table size
• 800kg table load capacity
• 36, 36, 30m/min X, Y, Z rapid feed rates
• 150 – 660mm spindle to table
• 12,000 rpm spindle speed
• 18.5kW spindle power
• 117Nm spindle torque
• BT40 spindle taper
• Dual contact (Big Plus) spindle nose

Main Spindle
• 12,000 rpm heavy duty spindle
• 18.5kW Fanuc direct drive spindle motor
• Air blast through spindle
• Spindle oil cooler
• Spindle air curtain

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 linear guideways
• Fully supported table eliminating overhang
• Large diameter pretensioned precision reciprocating ballscrews
• Automatic lubrication equipment

Tool Changer
• High-speed arm type automatic tool changer 1.3 second tool to tool
• 30 tool bi-directional magazine
• Side mount fully enclosed tool magazine

Coolant System
• Flood coolant

• Box type screen filter
• High pressure through spindle coolant 20 bar x 20 l/min
• Fully enclosed chip & coolant shield
• 360L coolant tank & chip pan

Electrical
• Door safety interlock switch
• Heat exchanger for electrical cabinet
• Line filter
• Transformer

Swarf Removal
• Twin screw type internal chip conveyors
• Link type External chip conveyor

Operation
• Remote MPG (Portable Hand Wheel)
• Control panel with > 90° swivel
• 3 tier operation patrol lamp
• Work light
• Operating & maintenance manuals
• Electrical schematics
• Tool box

CNC Control
• Doosan Fanuc I Series (0i-MD) CNC Controller
• Ezi Guide i Conversational software
• Fanuc 10.4” Colour LCD
• Rigid-synchronised tapping
• Helical interpolation
• Artificial intelligence contour control (AICC)
• Custom Macro B
• USB & PCMCIA Card Slot
• Ethernet Interface
• RS232 Interface
• Doosan Easy operation package including:
• Graphical tool table
• Self diagnostic ATC recovery
• Onboard G & M code assistance
• + more

Automation
• Control prepared to accept Rotary Table – 4th Axis

Local Service and Support
• Commissioning & Testing Included
• Comprehensive Operator Training Included
• Hare and Forbes In House Service And Applications Staff
• Ongoing Support For Life Of The Machine

Features

- Doosan Machine Tools changes its name to DN Solutions
- Read more at:



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

Specific Features



DNM500II Front Open



DNM650II Front Open



DNM750L Front Open



DNM ATC



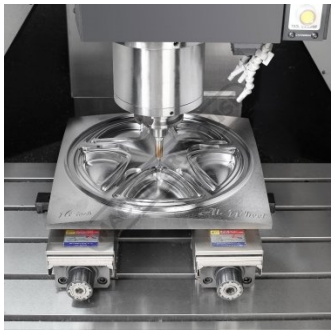
DNM Housing



DNM Spindle



DNM500II Milling



DNM650II Milling