

DNM 5700 - CNC Vertical Machining Centre

Please Call



ORDER CODE:	M8413
MODEL:	DNM 5700
X Travel (mm):	1050
Y Travel (mm):	570
Z Travel (mm):	510
Table Size (mm):	1300x570
Table Capacity (kg):	1000
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

DOOSAN



Description

Basic Specifications

- 1050, 570, 510mm X, Y, Z travels
- 1300 x 570mm table size
- 1000kg 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

Product Brochure For M8413

- 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 CNC Controller
- Ezi Guide i Conversational software
- FANUC 10.4" Colour LCD
- Rigid-synchronised tapping
- Helical interpolation
- Artificial Intelligence Advanced Preview Control (AI-APC)
- 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

Specific Features



DNC 750 II Side Open



DNC 5700 Front Open



DNC 6700 Front Open



DNC ATC



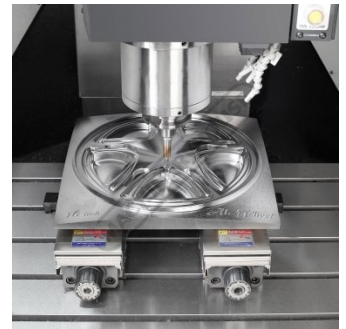
DNC Housing



DNC Spindle



DNC500II Milling



DNC650II Milling