

MORI-SEIKI

NT 4300DCG/1500SZ

Stock no. :1022-2422

MACHINE-DATA

Machinetype : CNC Turning- and Milling Center
 Make : MORI-SEIKI
 Type : NT 4300DCG/1500SZ
 Year : 2006 / Nov.
 Control type : CNC
 Control : Fanuc/Mori Seiki MSX 701
 Storage location : Hilden
 Origin : Japan
 Delivery time : Immediately
 Quotation : Ex warehouse, loaded on truck
 Price : on request



TECHNICAL DATA

turning diameter	660/275 mm
turning length	1498 mm
control	Fanuc/Mori Seiki MSX 701
total power requirement	90 kVA
weight of the machine ca.	26,6 t
dimensions of the machine ca.	5301 x 2997 x 2788 mm

TECHNICAL DESCRIPTION

9-axis CNC turning and milling centre

- * Fanuc MSX-701 CNC control
- * Milling spindle at top (B axis), as full 4th axis, positioning 0.0001 deg.
- * 40-position tool magazine
- * 10-position turret at bottom, all positions driven
- * 2 x 3-jaw quick-change chuck KNCS-N 315/91
- * KNOLL high-pressure coolant system, pressure setting 12/25/35/45/55/62 and 72 bar, with maintenance-free rotary filter system
- * Chip conveyor



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- * Drain system for main spindle chuck (controlled via M function)
 - * Drain system for tool cutting edge (controlled via M function)
 - * Coolant gun incl. accessories
 - * Oil mist extraction
 - * Direct measuring system X1, X2, Y-axis
 - * Bar loader interface
 - * Double foot switch for both spindles
 - * Islands and pocket programming for MAPPS
 - * High-speed fixed cycle for MAPPS
 - * Programm memory extension to 8 MB
 - * Programm restart
 - * 3-stage signal lamp
 - * 512 MB memory card (CF card)

Swing diameter over cross slide (tool spindle 1): 750 mm

Swing diameter over cross slide (turret 2): 400 mm

Max. turning diameter (tool spindle 1): 660 mm

Max. turning diameter (turret 2): 275 mm

Max. machined workpiece length: 1498 mm

Max. bar material: 90 mm

Travels:

X1 axis (tool spindle): 750 mm

Y axis (tool spindle): 420 (+/- 210) mm

Z1 axis (tool spindle): 1635 + 100 mm for tool change

B axis (tool spindle): +/- 120 deg., full B-axis 1 deg. indexed and 0.0001 deg. braked

X2 axis (turret): 195 mm

Z2 axis (turret): 1525 mm

SZ axis (subspindle): 1610 mm

Rapid traverse: (X1,Z1) 50 m/min. / (Y,X2,Z2,SZ) 30 m/min.

Main and subspindle:

Spindle speeds infinitely variable (spindle 1 + 2): 30-3000 rpm.

C axis (spindle 1 + 2): 0.001 deg.

Main spindle motor: 22/18.5 kW

Subspindle motor: 22/18.5 kW

Torque (spindle 1 + 2): 1000 Nm

Disc turret:

Number of tool positions: 10



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Speed of driven tools: 6000 rpm.

Drive power: 5.5/3.7 kW

Milling spindle head:

Tool holder: HSK A63

Max. speed: 12,000 rpm

Drive power: 18.5/11 kW

Torque: 120/44 Nm

Tool changer: 40-stations

Tool diameter 70/140 mm

Tool length 400 mm

Tool weight 8/10 kg

Total power requirement 90 kVA

Main dimensions Length x width x height 5301 x 2997 x 2788 mm

Machine weight 26.6 t

Accessories:

Measuring arm (picture) tool measurement in machine

Tool holder + box, reduction sleeves, driven tools

Clamping jaws package

Collets package

VIDEO-LINKS

WEB-LINK

<http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-2422>



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Technical details and information subject to amendments and errors.