

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

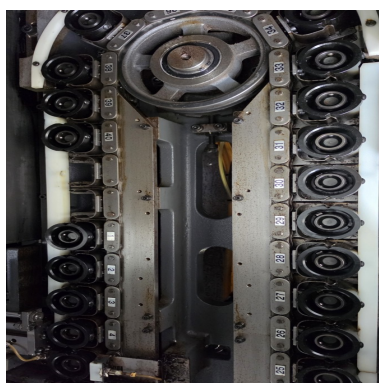
## WEB-LINK

<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.

**Knops Werkzeugmaschinen GmbH & Co. KG**

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