

MM-760



Manufacturer: **NCT**

Type: **MM-760**

Year of manufacturing: **NEW**

Parameters: **spindle RPM 8000, table 900x410 mm, X/Y/Z=760/430/460 mm**

Description:

CONSTRUCTION AND CHARACTERISTICS

Rigid casting bed, column and slides
Mounted, linear guideways on all axis
Slide system and ball screws with central oil lubrication
Without counterweight
Telescopic metal guideway cover on every axes heads
Y axis cover moves under column
Easy to open, large glass side working space doors

SPINDLE

Belt driven spindle
Spindle taper #40, DIN or BT tooling
Spindle Taper cleaning by airblow
Headstock spindle bearings with life long grease lubrication
Ground, highprecision double nut ball screws
Ball screws pretensioned and supported in bearings at both ends

MAGAZINE

Umbrella type magazine

CONTROL AND ELECTRONICS

NCT 201 smart touch CNC (touchscreen)
EnDat 2.2 absolute measuring system, 0,00005 mm positioning resolution and nano interpolation

WARRANTY

36 months warranty for the CNC and for all the electric parts of the machine
12 months warranty for the mechanical part of the machine
CE conformity

TECHNICAL SPECIFICATIONS

WORKING AREA

Table size: 900 x 410 mm
T-slot number x size x distance: 4 x 16 x 100mm
Table load capacity: 350kg
Spindle nose distance from table surface: 102 - 552 mm
Spindle centre distance from column: 480mm
Positioning accuracy: < 0,02mm
Repeatability accuracy: < 0.008mm

AXIS

Number and type of X / Y / Z guideways: Lineáris 2 / 2 / 2
Number of X / Y / Z block unit: 4/4/4
X travel: 760 mm
Y travel: 430 mm
Z travel: 460 mm
Rapid travel speed of X / Y / Z axis: 24 / 24 / 24m/min

SPINDLE

Max spindle RPM (basic) 8000 RPM
Max spindle RPM (option) 1000 RPM

Spindle taper size (standard): SK 40

Taper cleaning: Compressed air

Drive: Belt

Number of ranges: 1

Headstock cooling: Air

SPINDLE MOTOR

Rated Power (standard): 7 kW

Rated torque (standard): 0 Nm

Cooling: Air

TOOL MAGAZINE

Magazine type: Umbrella

Number of tool positions: 16

INSTALLATION

Floor space x height: 2200 x 1665 x 2300 mm

Net machine weight: 2800 kg

Electrical connection: 3 x 400VAC VA

STANDARD ACCESSORIES

Umbrella type magazine

Light for working area

One color alarm lamp

Chip conveyor and trolley

Watergun

NCT 201 Controller 15" touchscreen

Built in handwheel

HEIDENHAIN Indirect measuring system (absolute)

1 + 1 day training

Installation and commissioning

OPTIONS

Increased spindle speed

Pushbutton working space washing gun

Oil skimmer

CNC rotary / indexing tables, tailstocks and rotating supports

Manual and CNC tilting rotary tables Hand and CNC tilting rotary tables

Power operated chucks and vises

Workpiece and tool probe

Hydraulic / pneumatic actuating system for table

Mist extractor

Automatic door movement

19" touchscreen monitor

External handwheel

myNCT graphical programming

CADCAM softwares

Spindle and axis motors quadratic acceleration

HSHP (high speed high precision machining)

Switch off the machine from technological program

Three colour status lamp

Partial or full installation of axis 4 or 5

Green technology

NCT simulator

Remote access

Robot cell junction interface

Delivery, Loading, movement

Workpiece technologization

Training at NCT Academy