

MORI SEIKI NTX2000/1500SZM

Our Reference: M6935

Serial Number: NTX20130611

Basic Machine

J-A00523* NTX2000/1500SZM_F31IB5

Control

J-003307* Control F31IB5

Spindle

J-000206 Spindle 1 through-spindle hole dia. 91 mm (spindle speed 4,000 min⁻¹, 26/ 22 kW)
The bar machining capacity of standard specification spindle 1 unit is modified from $\phi 65$ mm to $\phi 80$ mm.
Spindle 1 spindle through-hole diameter: $\phi 91$ mm
Spindle 1 bar machining capacity: $\phi 80$ mm
Spindle 1 maximum rotation speed: 4,000 min⁻¹
Spindle 1 output (30 min./Continuous): 26/22 kW

Chuck

J-000207 (Spindle 1) KITAGAWA 10" Hollow Chuck
BB210A821 + Kitagawa Hollow Cylinder SS1881K21

J-011385 (Spindle 2) KITAGAWA 10 " Hollow Chuck Unit B-210A621 + Kitagawa Hollow Cylinder SS1666K21

Tailstock

J-004877 Spindle 2 tailstock specifications
You can use spindle 2 also as a tailstock. The servo motor on the B-axis equips a brake to prevent spindle 2 from retracting in case of emergency stop or power failure. Center is fitted by clamping it with chuck's jaw. You can change the function of this between the spindle and the tailstock on the screen.
*Center and a set of the fixture for installation of center have to be prepared by the customer.

Magazine

J-004893 Tool storage capacity 76 tools (Capto C6)

Coolant

J-004915 Super-high-pressure coolant system I/F (7.0 MPa, KNOLL)

Chip disposal

J-004928 Chip conveyor (right discharge, hinge type) (/1500)

Measurement

- J-004281 Automatic in-machine tool presetter for tool spindle and turret 2 (turret 2 specifications)
Allows highly efficient tool measurement, improving ease of setup.
The presetter, which is stored in the Spindle 1 chuck cover, is moved in/out automatically (M codes) and measures the tool in the tool spindle.
An optical type probe sensor attached to the tool spindle measures the tool in Turret 2.
- Tool spindle measurement H4E-22-01S (Metrol)/
Turret 2 measurement OMP60 (Renishaw) ※Only available for Turret 2 specifications.

Automation

- J-G00996 Workpiece unloader (spindle 2 workpiece receiver) (with workpiece conveyor)
- J-004290 Bar feeder I/F (LNS) (multiple)
This is the interface for the bar feeder, which increases productivity by feeding bar material automatically.

Other (Machine Option)

- J-002276 Chuck foot switch (double) for spindle 1, 2
Chuck opening and closing on spindle 1 and 2 are operated by twin chuck footswitch.
- J-000855 Signal tower 3 layers (Red, yellow, green) LED type (front upper side)
This signal tower informs the operator of the machine's status with lights and a buzzer.
Red: When an alarm occurs a buzzer sounds and the signal tower light comes on.
Yellow: When the program end is executed, a buzzer sounds and the signal tower light comes on.
Green: During NC operation, the signal tower light comes on. (The buzzer does not sound.)
PATLITE
- J-005395 5 external M-codes
This function contributes and expands the existing M-codes. To add this, let the M-codes output pass through the relay and dispose terminal block connected to the A-contact on the MTX substrate. (Terminal 1 and 2)
We will prepare 5 input signals as completion signal on the same substrate (Terminal 3). 24V (common, terminal 4) and dry contact are used to input the signal.
5 individual relays are used to output M-codes. M440~M444

- J-002176 Manual pulse generator (separate type)
Adding handy type pulse handle improves operability during set-up operation.
The switch on the operation panel can change which pulse handle is used on the operation panel or handheld side.
Handheld pulse handle of this specification is connected to the operation panel with a curl cord.
This manual pulse handle has a magnet on the rear surface to be attached at the desired positions on the machine.
This separate-type manual pulse generator is also equipped with super luminosity white LED as standard, so it can be used as a handy light to illuminate the surface of the workpiece and shadowed area of the machine light.

NC Option

- J-040012 Input /Output I/F (RS232C)

Special constructions services

- SK001 High Pressure (70 Bar*) Coolant Unit with twin cartridge filtration system (*only for tool / holder with Max. 2mm orifice - over 2mm will result in a reduction of pressure)
- SK002 Additional 70 bar Interface parts
- SK003 Chip bin
- SK004 Renishaw OMP60 In-machine measuring system (spindle) probe, including "Multi axis" Inspection software
- SK005 SMW SLU-3.2 hydraulic steady rest, including interface (turret 2) - Retrofit
- SK006 Part program storage length 1MB (2,260m) in total + Registerable programs 1000 in total - Fanuc NC retrofit.
- SK007 Installation of High Speed Skip Terminal - Fanuc NC retrofit
- SK008 Manual handle interruption - Fanuc NC retrofit
- SK009 Fanuc Engineer labour / Installation / travel
- SK010 DXF Import function - Retrofit

- SK013 "Health Check" - DMG Mori service personnel will visit for one day, six and twelve months from the installation of the machine (two days in total) and perform a Health Check, to assist in improving the readiness and availability of the machine.
- SK014 Transformer
- SK015 Transportation to BSL Industries Limited in Tamworth
- SK016 Installation at BSL Industries Limited in Tamworth
- SK017 Operator / Programming training at BSL Industries Limited for 5 days

Total Package Price:**£412,000.00**