

MT4-200/Productive CNC Lathe



Productive CNC Lathe with milling



Flexible machining Cells utilizing our full product line of 4 spindle CNC lathes offer high accuracy, productivity and flexibility.

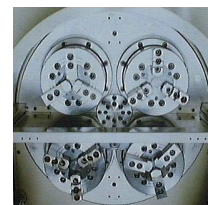
- Loading / unloading is done internal to the cutting cycle time.
- High speed carrier index of cutting spindles, high feed rates during index keeps idle time to a minimum.
- Centralized operation panel is accessible for both machine operation and maintenance functions.
- Key lockout switch protects the maintenance area.
- The standard chip conveyor goes under the headstock discharging to the rear, causing no interference from either side of the machine.
- Highly efficient design occupies minimum floor space.

KITAKO offers multi-spindle CNC lathe with milling / drilling function. We solved the problem of multi-spindle to keep the home position of spindles for milling / drilling with Cs contouring control.

- Machining line can be shortened by milling / drilling function.
- 4 spindles offer high productivity.
- Two of ten station turrets offer high flexibility.
- Automatic loading / unloading system (option) offers the system as part of transfer line.

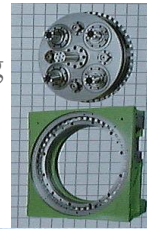
4 Spindle Unit

The main spindles are hardened, precision ground and supported by precision double row cylindrical roller bearings and angular contact bearings. The cartridge type spindles are sealed for life and require no maintenance.

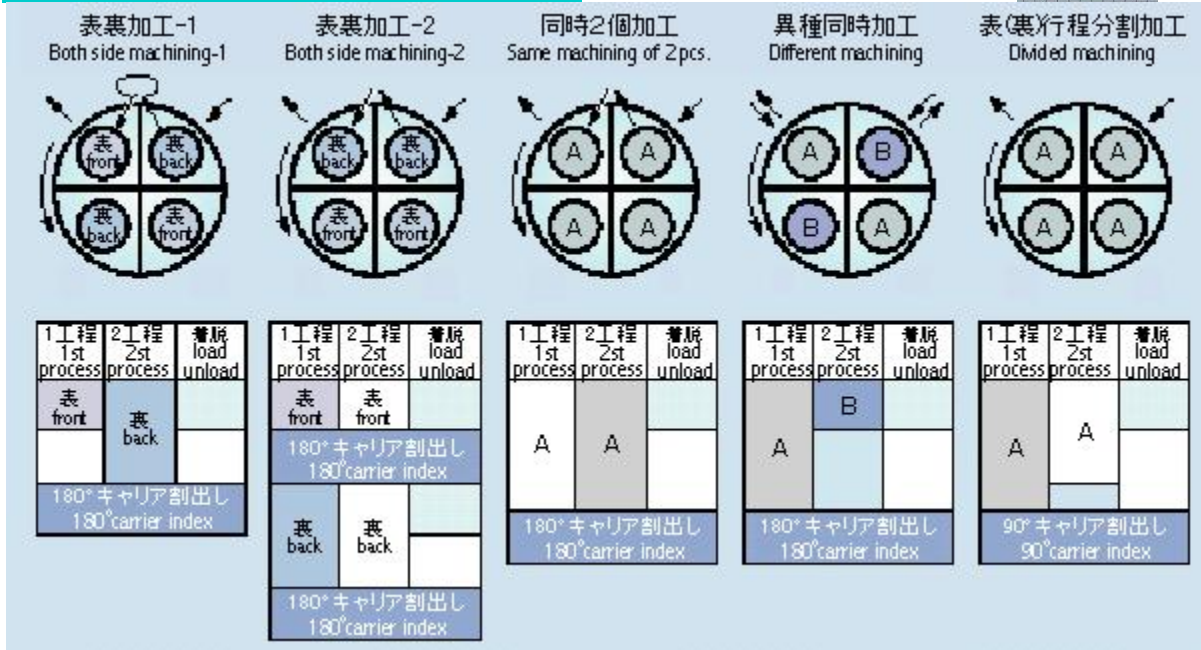


High Accuracy Indexing

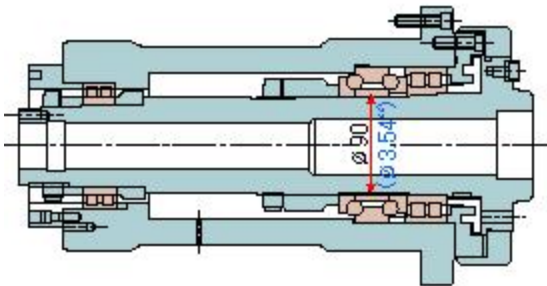
The spindles are mounted in a carrier drum, which exterior is a large diameter curvic coupling thus insuring high accuracy, rigidity and repeatability when positioning.



Machining With Flexibility

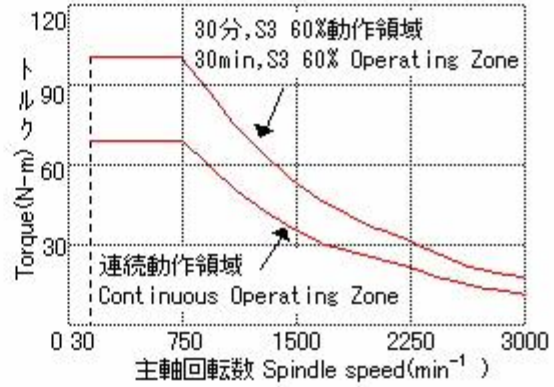
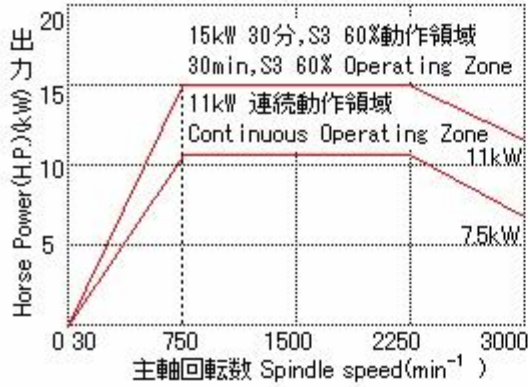


Main spindle & Bearing Construction



Separate Drive for Each Spindle

The cutting spindles are driven by two independent AC drive motors, each producing 20/15 horsepower.



8 Station Drum Turrets & Slide (MT4-200)

The 8 station drum turrets provide high speed, bi-directional indexing for productivity without sacrificing flexibility. Long life and lasting precision are ensured through the

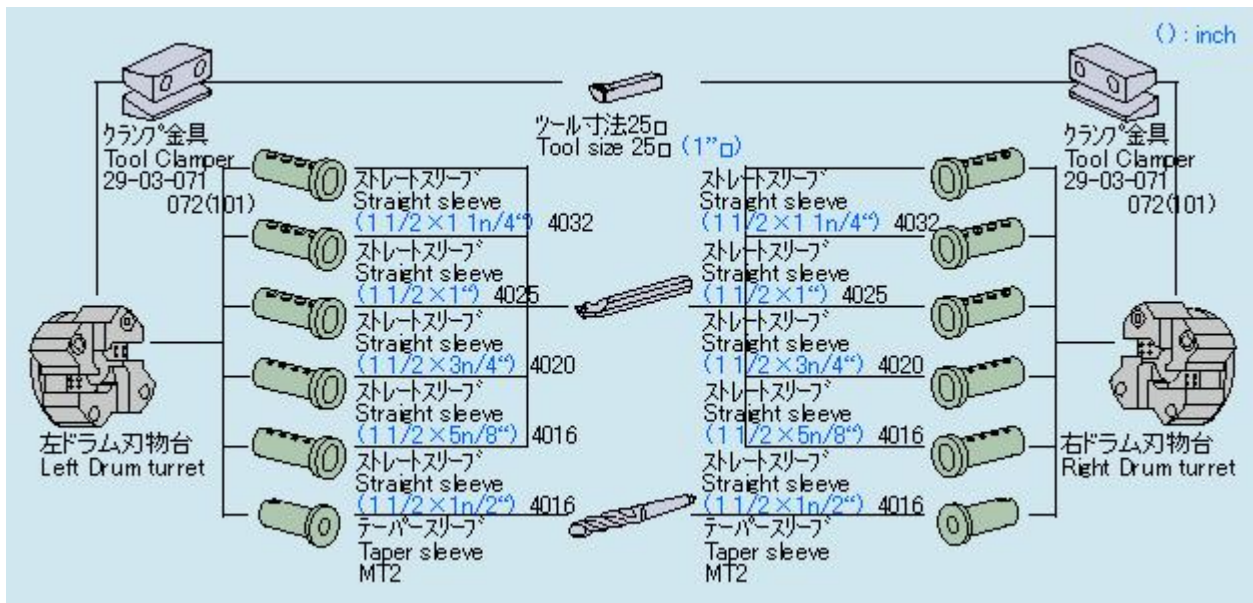


use of
forced
lubrication
for all
sliding
surfaces,
ball screws
and guide
ways, and
Turcite is
used on Z
axis slide
ways.

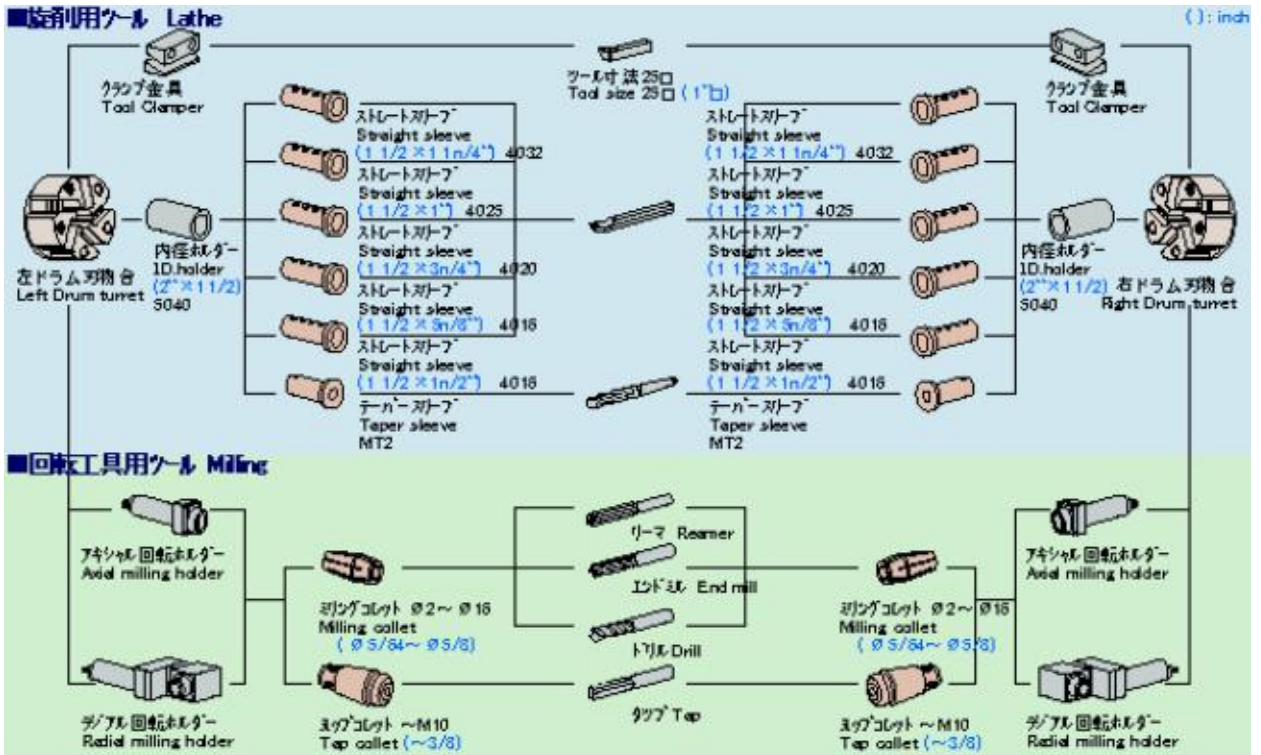
MT4-200M/Milling Function



MT4-200 Tooling System



MT4-200M Tooling System



Centralized Operation Panel



The pendant type centralized panel, and practically arranged CRT and operation switches.

Preventive Maintenance Messages

Various user parameters of standard supply allow system setting for reduce miss-operations and operation according to customers needs. Alarm messages are displayed on CRT by letters enabling self-diagnoses of machine and CNC device and tell about operational errors and faults for maintenance.



Chip Conveyor&Hyd.Unit

- Hinge type chip conveyor is standard. Other type chip conveyor is available as an option.
- Hydraulic unit is mounted on the machine and pressure is monitored.



Tail Stock



INTRODUCING

PRODUCTIVE CNC LATHE

Line-up of our 4 spindle series offer both high accuracy and high productivity under high flexibility.



4 Spindle Unit

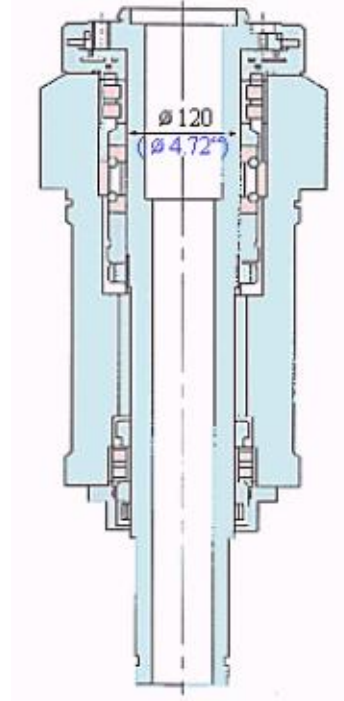
The hardened and precision ground main spindles of $\text{Ø}120\text{mm}$ are supported by high precision double row cylindrical roller bearings and angular contact bearings, and adopt a grease sealed cartridge type. The spindle carrier drum has a cone shape for chip disposal.



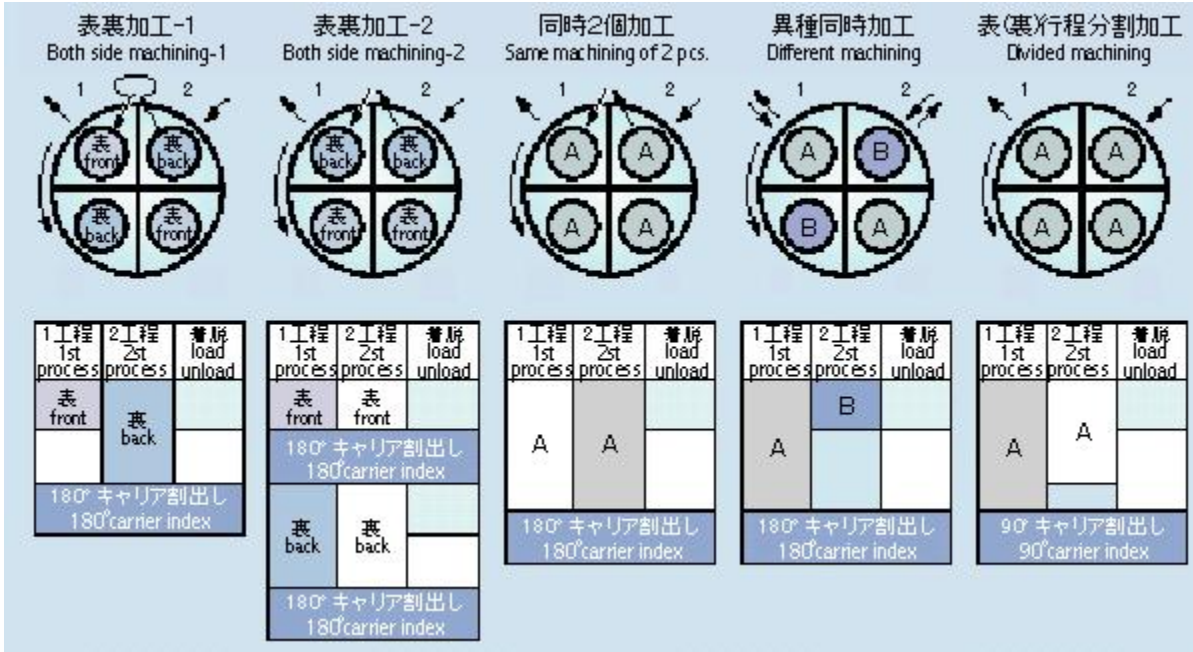
High Accuracy Indexing Main spindle & Bearing Construction



The positioning of the spindle carrier drum is made by a large diameter curvic coupling with high accuracy and rigidity.



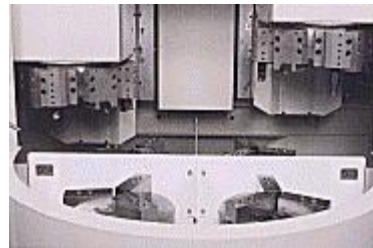
Machining With Flexibility



6 Station Drum Turrets & Slide

The 6 station drum turret adopts bi-directional and random indexing. The slides are guarded by covers. The forced, lubrication system for the sliding surfaces and ball screws, coupled with the use of Turcite, assures long-lasting of high precision machining.

* The 8 station drum turrets are optional selects.



Centralized Operation Panel



The pendant type operation panel and practically arranged CRT and operation switches can be swung to the suitable position.

Preventive Maintenance Messages

Various user parameters of standard supply allow system setting for operation according to customers needs.

Alarm messages are



displayed on CRT by letters
enabling self-diagnoses of
machine and CNC device
and tell about operational
errors and faults for
maintenance.

Chip Conveyor&Hyd.Unit



The hydraulic unit is
mounted on the machine
and the hydraulic
pressure is checked.