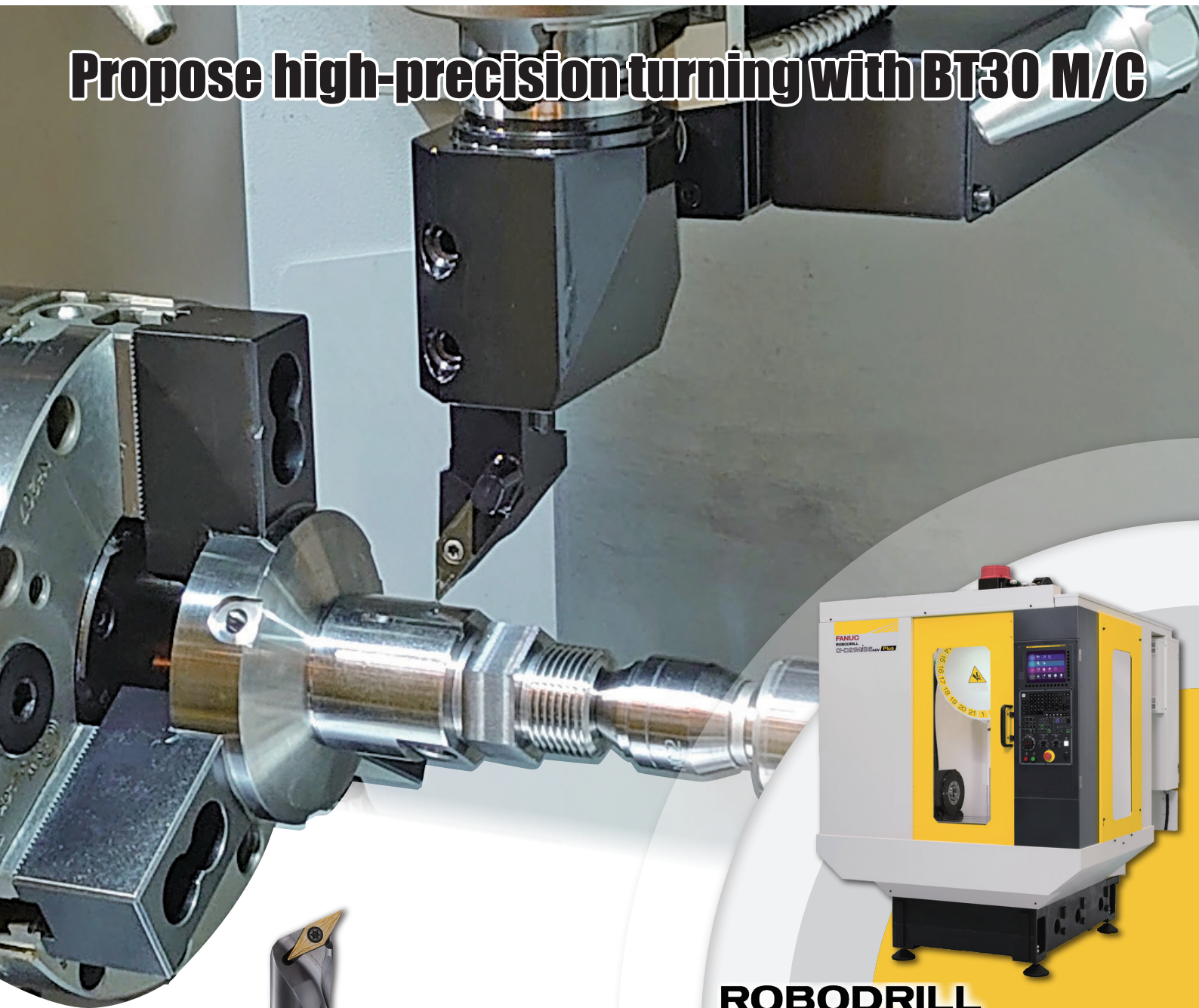


FANUC



NIKKEN

Propose high-precision turning with BT30 M/C



ROBODRILL



←For more information
Check out the video !!
NIKKEN YOUTUBE Ch.

NBT30 BT30 Double face contact

NEW

**Turning Tool Holders
for ROBODRILL**

NBT**BT30**
Double face contact

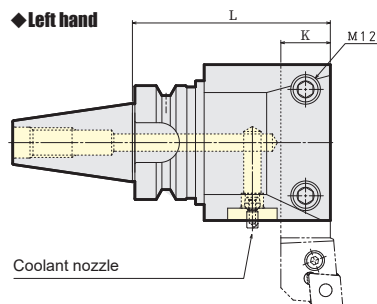
Square Tool Holders

NIKKEN**90°**
Type

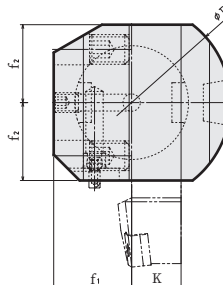
Coolant nozzle

**Coolant through : Adjustable direction coolant nozzle**

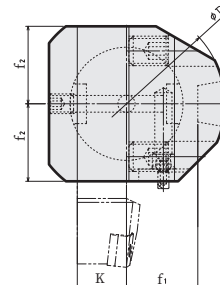
◆ Left hand



◆ Left hand



◆ Right hand



* Photo shows left hand tool.

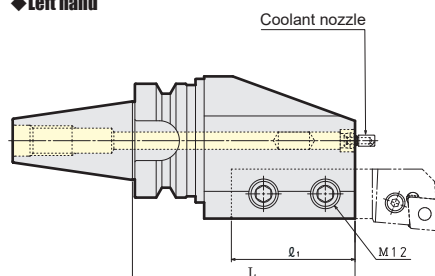
Taper	Code No.	Type	Bit size	D	L	f ₁	f ₂	K	G	Weight (kg)
NBT30	NBT30-BHSH20-90B-L	Left	20	80	90	31.5	31.5	20	M12	1.7
	NBT30-BHSH20-90B-R	Right								

180°
Type

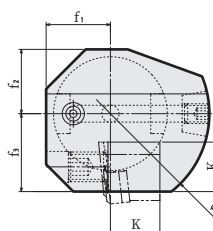
Coolant nozzle

**Coolant through : Adjustable direction coolant nozzle**

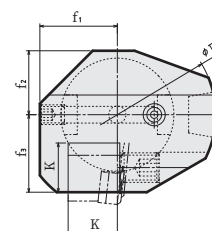
◆ Left hand



◆ Left hand



◆ Right hand

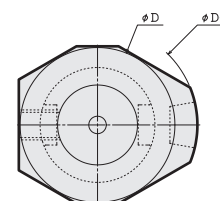
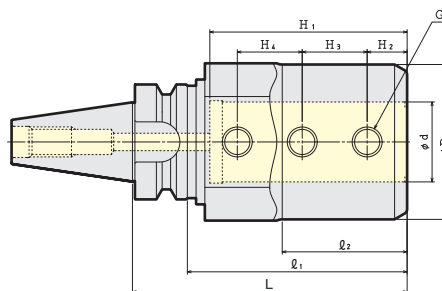


* Photo shows left hand tool.

Taper	Code No.	Type	Bit size	D	L	φ ₁	f ₁	f ₂	f ₃	K	G	Weight (kg)
NBT30	NBT30-BHS20-90B-L	Left	20	80	90	50	26	26	31.5	20	M12	1.7
	NBT30-BHS20-90B-R	Right					31.5					1.8

NBT**BT30**
Double face contact

Round Tool Holders

NIKKEN**Round**
Type

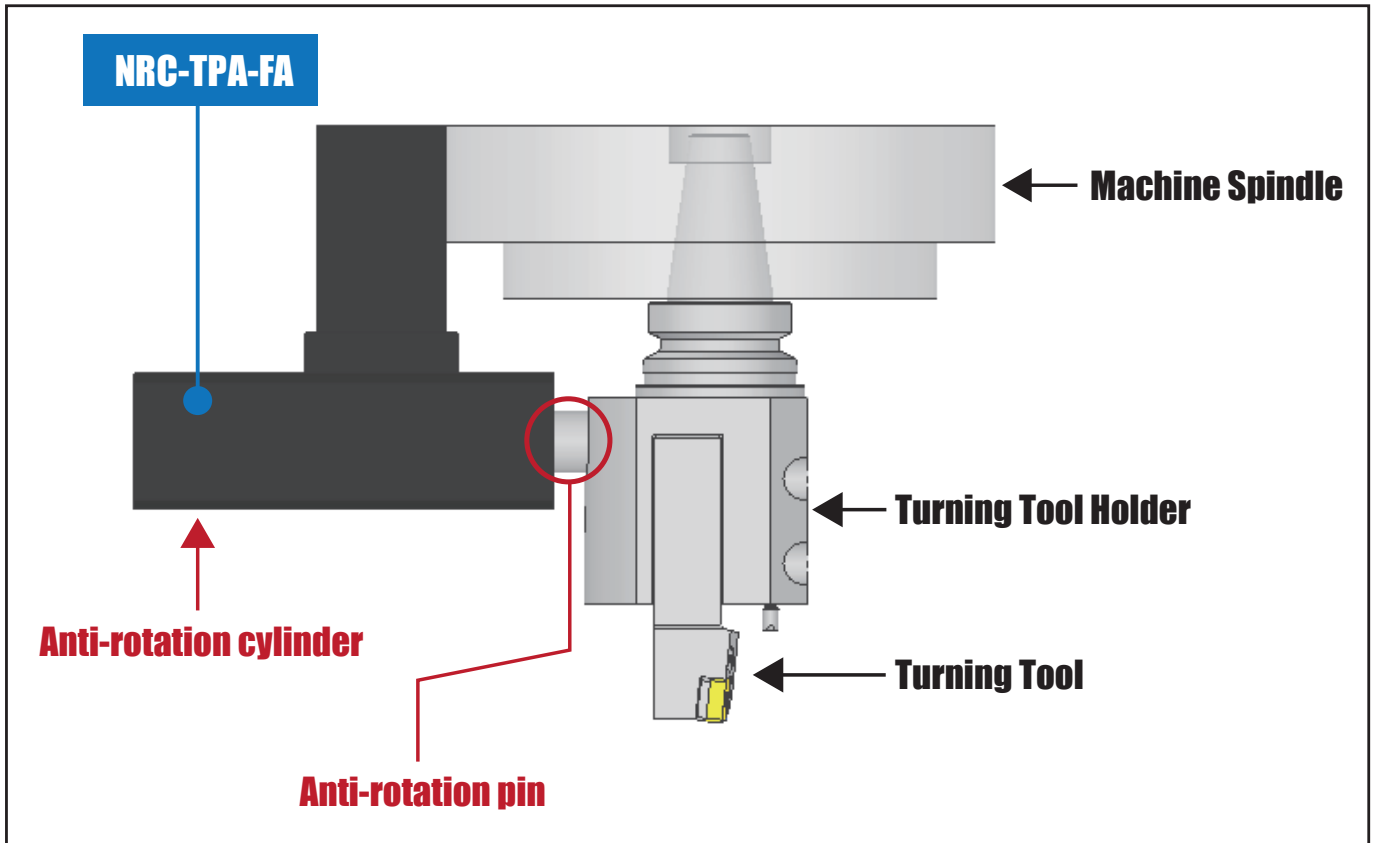
Taper	Code No.	d	D	D ₁	L	φ ₁	φ ₂	H ₁	H ₂	H ₃	H ₄	G	Weight (kg)
NBT30	NBT30-BHC20- 90B	20	50	80	90	68	24	65	12	20	20	M10	1.4
	-BHC25-100B	25	55		100	78	44	72	14	23	23	M12	1.6
	-BHC32-110B	32	62		110	88	50	79	16	26	26		2.0

Anti-rotation Unit for Turning Tool Holders

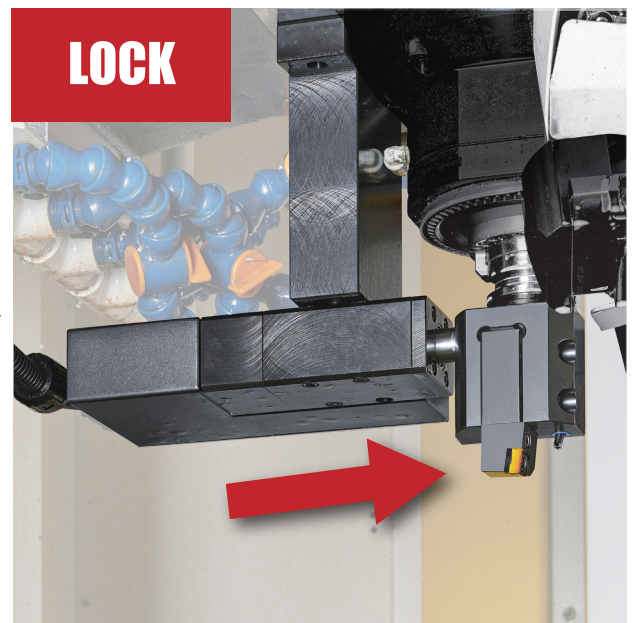
NIKKEN

NRC-TPA-FA

PAT. P



Anti-rotation unit for turning holders provides strong holding force against turning resistance. : NRC-TPA-FA



Caution

For safety reasons, be sure to set the various interlocks.

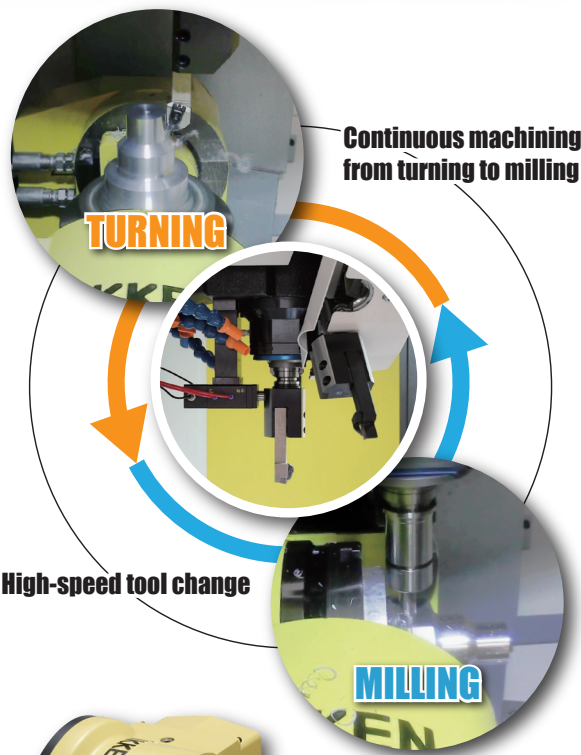
NEW

Combination of NIKKEN DD table and NIKKEN turning tool holders provide multi-task machining at FANUC ROBODRILL.

Ultra-highspeed
Turning capability

1,500 r/min

Spindle core cooling

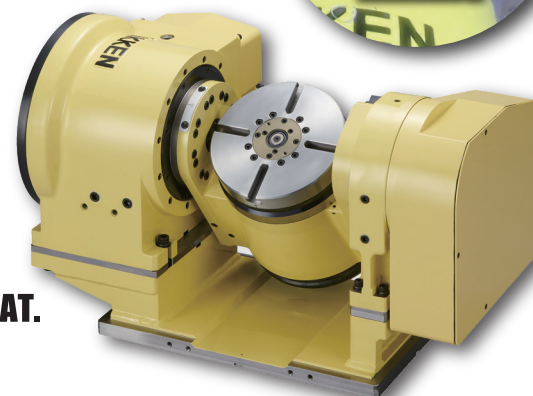


2 AXIS

ROTARY TILTING TABLE with DD MOTOR 5AX-DD201BF3-HSR

- 1,500 r/min ultra high-speed rotation for Rotary Axis
- Spindle core cooling suppresses temperature rise during continuous cutting operation
- Built-in special 3-port rotary joint*

PAT.



* Built-in A,B,C ports + drain port. Ports A and B are for hydraulic only and collect oil from drain port. Oil must be returned to hydraulic tank. C port is pneumatic only.

Diameter of Table	φ [mm]	200
Center Height (90°)	[mm]	280
Table Height in Horizontal Position (0°)	[mm]	306
Width of T Slot	[mm]	12H7
Axis/Tilt Angle	Rotary	Tilting (0~110°)
Clamping System	Pneumatic	Pneumatic
Clamping Torque	[Nm]	150
Motor (FANUC)	Dis60/1500-B	Dis180/800-B
Amplifier Capacity	[A]	80
Encoder	α iCz Sensor 512A	
Min. Incremental		0.001
Rotation Speed	[r/min]	1500
Indexing Accuracy	[sec]	± 10
Net Weight	[kg]	240
Max Work Load	[kg]	30*1
Max. Torque	[Nm]	140
Rated Torque	[Nm]	60*2
Required Cooling Capacity	[W]	1800

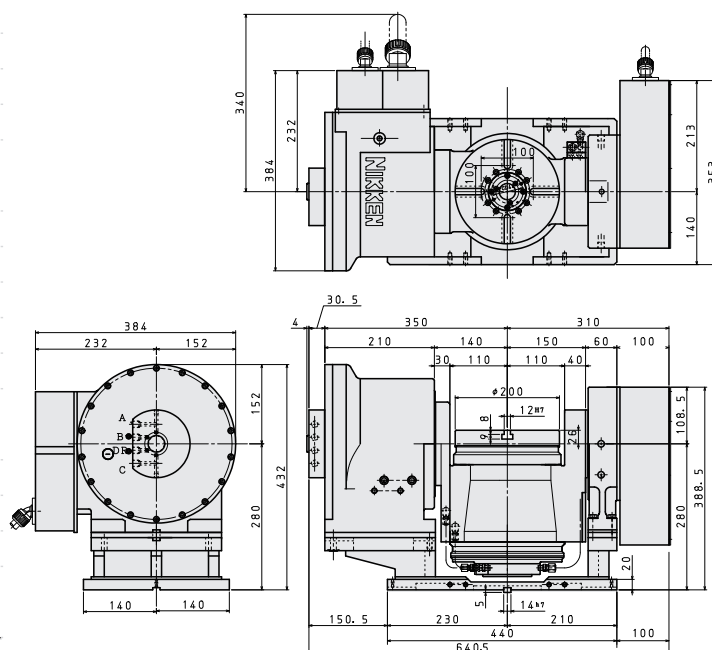
*1. Max. workpiece mass: 7.5 kg, workpiece inertia: $9.3 \times 10^{-3} \text{ kg} \cdot \text{m}^2$ or less.

*2. The motor of rotation is a dedicated cooling motor. A cooling system must be prepared for operation. Cooling oil may also be restricted from the cooling system (chiller).

When cooling, the system should be designed to constantly monitor the status of the cooling system and stop the motor if any abnormality is found.

*3. Value when the table body is cooled with cooling oil.

★ 5AX-DD201BF3-HSR requires rotary joints for Spindle Core Cooling.



NIKKEN

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