



High-performance top motor mount NC rotary table

TUS400

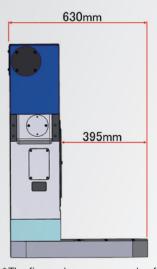
Ideal for horizontal machining centres Significant performance improvement

High clamping torque

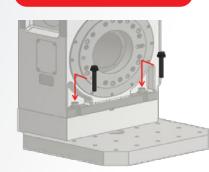
Largest in its class,

7000N·m (Hyd. press. 3.5MPa)

Lightweight and compact Space efficient mounting



* The figure shows an example of installation on a □630 table. Compared to conventional model 15% lighter 27% thinner





Directly fixing with bolts from above, this does not require clamping devices.

Abundant options

It supports a wide variety of rotary joints that can be selected according to the jig design. It also supports high-precision indexing such as MP scale and rotary encoder. Also optional $\Phi400$ face plate with T-slots is available.

Abundant lineup of rotary joints

Number of ports	Max.working pressure			
6 ports	7мРа			
6+1 ports	7мРа			
8 ports	7мРа			
10+1 ports	25MPa			
12+1 ports	7мРа			

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purpos	e hole.		l 2.5multi

Used	with	MP	scale

Osea with MP scale						
6 ports	7мРа					
8 ports	7мРа					
Used with rotary encoder						
6 ports	7мРа					



The figure shows an image of the rotary encoder and rotary ioint installed.



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Specifications

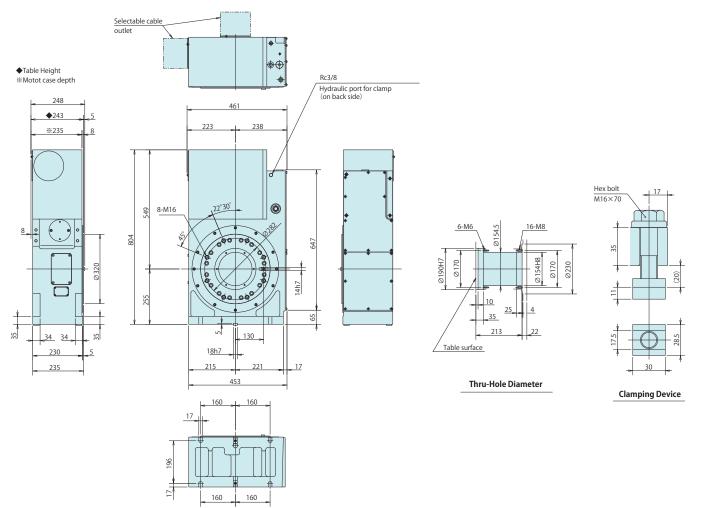
Table dia mm	Face plate (Option)	Centre hole dia. mm	Through hole dia. mm	Centre height mm	Clamping method	Clamping torque N·m	Motor Axis Reduced Inertia kg·m²	Servomotor	Total Reduction Ratio
φ320	φ 400 with T-slots	φ190H7	φ 154	255	Air-hydraulic /hydraulic	7000	0.000-77	αiF12/4000-B αiF22/3000-B	1/90

Max. spindle Speed min ⁻¹	Allowable Work Inertia kg·m²	Indexing Accuracy sec	Repeatability sec	Mass of Product kg	Allowable mass of workpiece kg	Allowable cutting torque N·m	Built-in Rotary Joint (Option)	
22.2 (Motor 2000min ⁻¹)	5.00	20	4	300	250	1700	6P 6P+1P 8P	*10P+1P 12P+1P

Dimensions (4th axis spec.)

Note 1) The +1 port is a $\,\varphi$ 12.5 multi-purpose hole. It can be used for pneumatic, $hydraulic, coolant, cable\ laying\ of\ work\ seating\ confirmation\ sensor,\ etc.$ Please tell the sales staff about the purpose of the multi-purpose hole when making inquiries.

Note 2) * 10P is compatible with high pressure 25MPa.





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