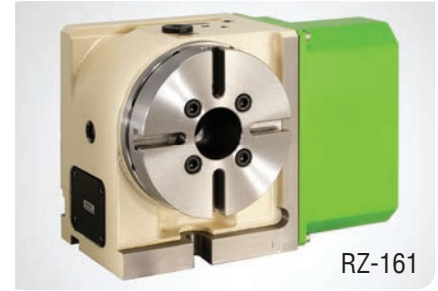


RZ-161, 201

PACKAGED WITH CONTROLLER FOR PLUG & PLAY OPERATION

RZ-Series indexers are packaged with a TPC-Jr NC controller for plug & play operation. The RZ indexers are attractively priced, yet retain the high performance build characteristics found on full 4th axis Tsudakoma rotary tables.



RZ-161

Specifications ►

Dimensions = mm

Indexer Model		RZ-161	RZ-201
Spindle outer diameter	mm	100h7	120h7
Table diameter (optional)	mm	(160 or 200)	(200 or 250)
Center height	mm	135	160
Center bore	Nose Diameter (w/ face plate)	mm	55H7 (50H7)
	Thru Diameter	mm	40
Table T-slot width w/ face plate		12H8	12H8
Guide block width		14h7	18h7
Controller (included with table)		TPC-Jr H2	TPC-Jr H3
Maximum motor speed	rpm	3,000	
Speed reduction ratio		1/60	1/72
Maximum table speed	rpm	50	41.7
Inertia converted into motor shaft	$\times 10^{-3} \text{kg} \cdot \text{m}^2$	.19	.19
Clamp system		Pneumatic	
Clamp torque @72psi	Nm (ft. lbs.)	156 (115)	294 (217)
Indexing accuracy	arc sec.	± 22.5	
Repeatability	arc sec.	± 2	
Net Weight	kg (lbs.)	40 (88)	65 (143)
Allowable wheel torque	Nm (ft. lbs.)	147 (108)	264 (195)
Allowable work inertia	$\text{kg} \cdot \text{m}^2$	.48	1.2
Allowable work weight	 kg (lbs) [w/ tailstock]	75 (165) [150 (330)]	100 (220) [250 (550)]
	 kg (lbs)	150 (330)	250 (550)
Allowable load when table clamped	 N (lbf)	7,840 (1,756)	13,720 (3,073)
	 Nm (ft. lbs.)	156 (115)	294 (217)
	 Nm (ft. lbs.)	392 (289)	980 (722)

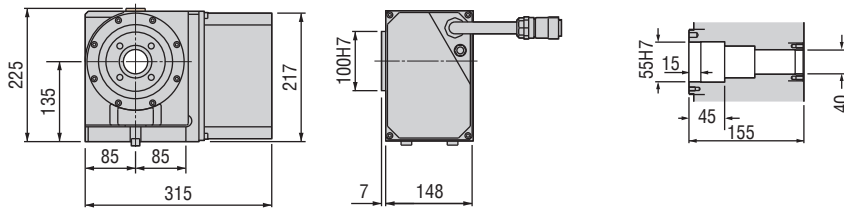
Specifications subject to change without notice

Controller		TPC-Jr
Control axis		1 axis
Servo motor		AC servo, ABS detector
Command unit		0.001°
Dividing number	Direct indexing	1 to 999999 even indexing
	Arc indexing	1 to 999 even indexing
Max. command angle		$\pm 999.999^\circ$
Command system		INC, ABS, Shortcut ABS, INC/ABS mixed system
Input system		Includes MDI & full RS-232 communication
Program control		Workpiece No. (W0000 to 9999)
Program capacity		1000 blocks in main & sub-program together
Cable supplied (Standard)		Between rotary table & TPC-Jr (1 pc.)
		For motor : 5m
		Power cable : 5m
		Interlocking cable : 5m
Power Requirements (less than 100 ohm ground resistance)		1 Ø 200/220V $\pm 10\%$ 50/60Hz (non-CE)
		1 Ø 230V $\pm 10\%$ 50/60Hz (CE)
	Model	Power capacity
	Jr H2	1.2KVA
	Jr H3	2.2KVA

Dimensions ▶

Drawings not to scale • Dimensions = mm

RZ-161



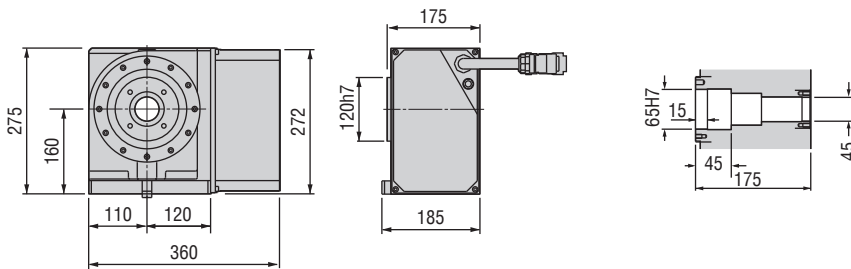
- RZ-201 with optional Steel Braided Cable



- RZ-161 with 5C Collet



RZ-201

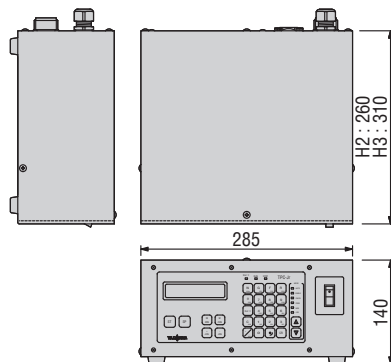


- RZ-161 • TS-160 Support Spindle

The rotary table and support spindle are mounted on a baseplate and joined to a specially designed, dual 5C collet trunnion fixture.



TPC-Jr NC CONTROLLER



Options & Accessories

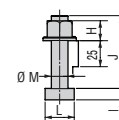
TPC NC Controller	p.66
Chucks	p.77
Tailstock	p.79
Support Spindle	p.79
Face Plate	p.81
Encoder / Scale	p.82
Pull Stud Device	p.83
Rotary Joint	p.83
PVC or Steel Cables	p.84

The dimensions above are for tables with a FANUC servo motor. Other motors available (dimensions may increase).

Clamping Block and Bolt ▶

Dimensions = mm

	Q'ty	T-Slot Width	A	B	C	D	E	F	G	H	I	J	K	L	M
RZ-161	2	14	-	-	-	-	-	-	-	17	8	60	-	23	12
RZ-201	2	18	-	-	-	-	-	-	-	21	11	65	-	28	16



Note 1: When using a machine with a T-slot pitch other than the above, use suitable clamping blocks and bolts that are available on the market, or order custom-made ones from KOMA (opt.)

Note 2: Clamping blocks are not included in RZ-160 and RZ-200.