



TSUDAKOMA

RWE Series
Japanese Quality **ECONOMICAL PRICE**



Best value in its class.

Economical. Compact. Massive Clamp Torque.



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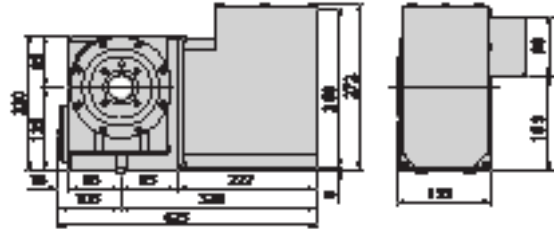
Specifications

Table Model		RWE-160
Versions available		R, L
Spindle outer diameter		100h7
Table diameter (optional)		(160, 200)
Center height		135
Center bore	Nose Diameter	55H7
	Thru Diameter	40
Table T-slot width (with faceplate)		(12H8)
Guide block width		14h7
Servo motor*		Alpha 4i
Maximum motor speed	rpm	4,000
Speed reduction ratio		1/90
Maximum table speed	rpm	44.4
Clamp system		Pneumatic Disc Clamp
Clamp torque @72psi	Nm (ft. lbs.)	250 (180)
Indexing accuracy	arc sec.	±12.5
Repeatability	arc sec.	±2
Net Weight	kg (lbs.)	44 (97)
Allowable wheel torque	Nm (ft. lbs.)	206 (152)
Allowable work inertia	kg·m ²	.48
Allowable work weight [with tailstock]	 kg (lbs)	75 (165) [150 (330)]
Allowable load when table clamped	 N (lbf)	7,840 (1,762)
	 Nm (ft. lbs.)	250 (180)
	 Nm (ft. lbs.)	392 (290)

*Other motors & rpm available • Dimensions = mm
Specifications subject to change without notice

Rotary Table Dimensions

Reference Only • Detailed drawings available upon request



List Price: \$8,500.00

Options & Accessories

Additional Accessories Available

T-Slotted Faceplates

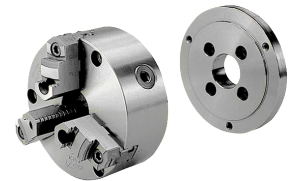
160mm - \$1,100.00

200mm - \$1,200.00



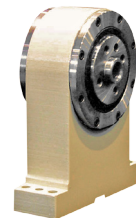
3-Jaw Scroll Chucks

6" (EZ-63) - \$1,300.00



Support Spindle

(TS-135) - \$4,000.00



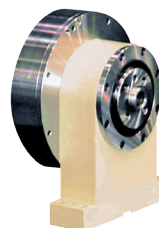
Manual Tailstock w/ MT2 Center

(TL-135M) - \$2,200.00



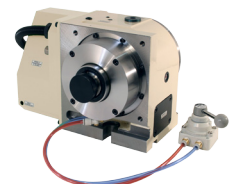
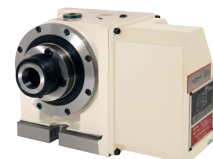
Support Spindle w/ Pneumatic Clamp

(TS-135P) - \$6,200.00



Pneumatic 5C Collet Chuck

5C-pneu - \$3,600.00



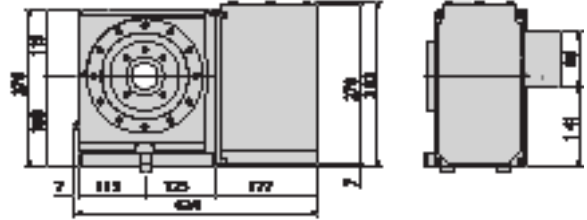
Specifications

Table Model		RWE-200
Versions available		R, L
Spindle outer diameter		120h7
Table diameter (optional)		(200, 250)
Center height		160
Center bore	Nose Diameter	65H7
	Thru Diameter	45
Table T-slot width (with faceplate)		(12H8)
Guide block width		18h7
Servo motor*		Alpha 4i
Maximum motor speed	rpm	4,000
Speed reduction ratio		1/90
Maximum table speed	rpm	44.4
Clamp system		Pneumatic Disc Clamp
Clamp torque @72psi	Nm (ft. lbs.)	400 (295)
Indexing accuracy	arc sec.	±10
Repeatability	arc sec.	±2
Net Weight	kg (lbs.)	62 (136)
Allowable wheel torque	Nm (ft. lbs.)	288 (212)
Allowable work inertia	kg·m ²	1.25
Allowable work weight [with tailstock]	 kg (lbs)	100 (220) [250 (550)]
Allowable load when table clamped	 N (lbf)	13,720 (3,085)
	 Nm (ft. lbs.)	400 (295)
	 Nm (ft. lbs.)	980 (723)

*Other motors & rpm available • Dimensions = mm
Specifications subject to change without notice

Rotary Table Dimensions

Reference Only • Detailed drawings available upon request



List Price: \$10,100.00

Options & Accessories

Additional Accessories Available

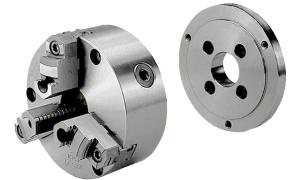
T-Slotted Faceplates

200mm - \$1,200.00
250mm - \$1,300.00



3-Jaw Scroll Chucks

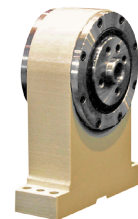
8" (EZ-83) - \$1,500.00



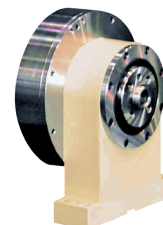
Manual Tailstock w/ MT3 Center (TL-160M) - \$2,400.00



Support Spindle (TS-160) - \$4,300.00



Support Spindle w/ Pneumatic Clamp (TS-160P) - \$6,500.00



Specifications

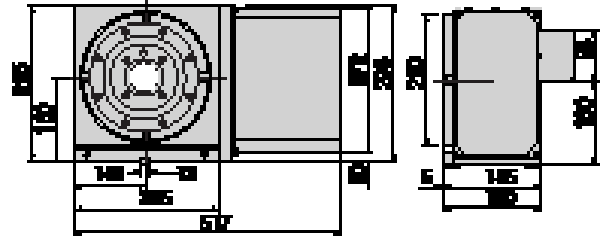
Table Model		RNE-250
Versions available		R, L
Spindle outer diameter		140h7
Table diameter (optional)		250
Center height		160
Center bore	Nose Diameter	75H7
	Thru Diameter	45
Table T-slot width (with faceplate)		12H8
Guide block width		18h7
Servo motor*		Alpha 8i
Maximum motor speed	rpm	3,000
Speed reduction ratio		1/120
Maximum table speed	rpm	25
Inertia converted into motor shaft	$\times 10^{-3}\text{kg}\cdot\text{m}^2$	.41
Clamp system		Pneumatic Disc Clamp
Clamp torque @72psi	Nm (ft. lbs.)	600 (442)
Indexing accuracy	arc sec.	± 10
Repeatability	arc sec.	± 3.5
Net Weight	kg (lbs.)	107 (235)
Allowable wheel torque	Nm (ft. lbs.)	565 (416)
Allowable work inertia	$\text{kg}\cdot\text{m}^2$	1.95
Allowable work weight [with tailstock]	 kg (lbs)	100 (220) [250 (550)]
Allowable load when table clamped	 N (lbf)	250 (550)
	 Nm (ft. lbs.)	13,720 (3,073)
	 Nm (ft. lbs.)	600 (442)

*Other motors & rpm available • Dimensions = mm
Specifications subject to change without notice



Rotary Table Dimensions

Reference Only • Detailed drawings available upon request



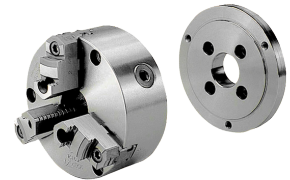
Options & Accessories

Additional Accessories Available

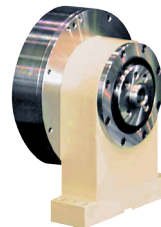
Manual Tailstock w/ MT3 Center
(TL-160M) - \$2,400.00



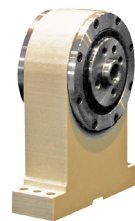
3-Jaw Scroll Chucks
8" (EZ-83) - \$1,500.00

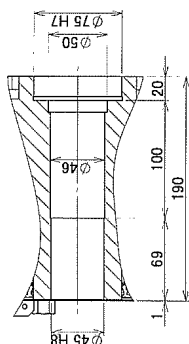


Support Spindle w/ Pneumatic Clamp
(TS-160P) - \$6,650.00

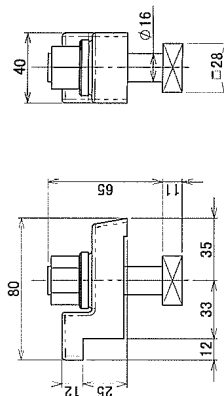
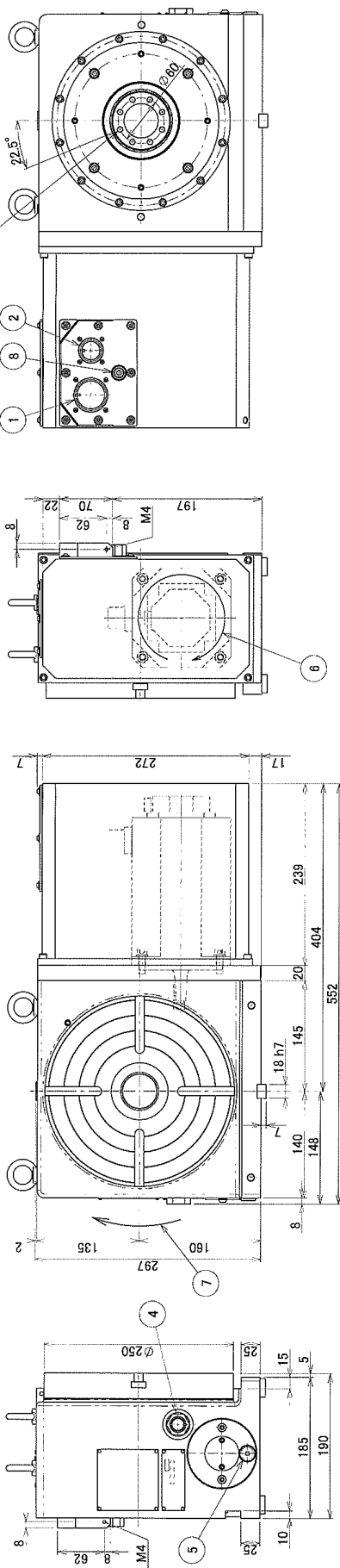


Support Spindle
(TS-160) - \$4,300.00





主軸断面図(S=1:3)
Sectional view of turntable



クランピンングブロック, ボルト詳細図 (4セット)
Clamping block, bolt (4sets)
(S=1:2)

[illegible]

仕様 Specifications	
深さ比 Speed ratio	1/20
ギヤ比 Gear ratio	Motor gear conversion ratio 3.50:10 kg-mt
駆動モータ Servo motor	α IPB/2000 1.55 kg-mt Allowable work torque
主軸回転速度 Turntable rotation speed	25mm (motor 300mm) 600N/m
クランプ圧力(定圧) Clamp torque (Pressure)	0.40N/m ² (Pressure 0.40N/m ²)
温風発生量 Warm gas strength	556 N/m 積載質量 Allowable work weight 100kg 質量 5kg Mass 5 kg Rearr table 107kg

A2		繪小圖		A2-A3	
TITLE		RNE-250R			
圖名		翼面			
DRAWN BY		Y. Ikeda			
APPROVED BY		CHECKED BY			
承認		檢閱			
DATE		SCALE		UNIT	
2011.04.19		1:4		mm	
DRAWING NO.		M88059			
頁正重項 (構成要素 NO.)		訂正表			
年 月 日		訂正 年 月 日			

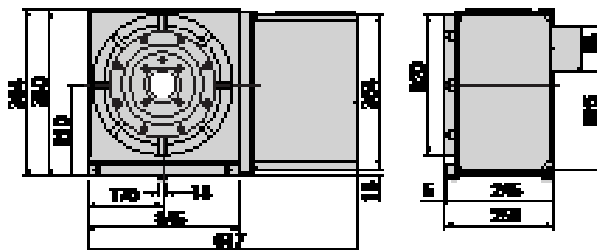
Specifications

Table Model		RNE-320
Versions available		R, L
Spindle outer diameter		180h7
Table diameter (optional)		320
Center height		210
Center bore	Nose Diameter	110H7
	Thru Diameter	82
Table T-slot width (with faceplate)		14H8
Guide block width		18h7
Servo motor*		Alpha 12i
Maximum motor speed	rpm	3,000
Speed reduction ratio		1/120
Maximum table speed	rpm	25
Inertia converted into motor shaft	$\times 10^{-3}\text{kg}\cdot\text{m}^2$	.52
Clamp system		Pneumatic Disc Clamp
Clamp torque @72psi	Nm (ft. lbs.)	1,000 (737)
Indexing accuracy	arc sec.	± 10
Repeatability	arc sec.	± 3.5
Net Weight	kg (lbs.)	205 (451)
Allowable wheel torque	Nm (ft. lbs.)	939 (692)
Allowable work inertia	$\text{kg}\cdot\text{m}^2$	3.77
Allowable work weight [with tailstock]	 kg (lbs)	150 (330) [350 (770)]
Allowable load when table clamped	 N (lbf)	350 (770)
	 Nm (ft. lbs.)	19,600 (5,555)
	 Nm (ft. lbs.)	1,000 (737)

*Other motors & rpm available • Dimensions = mm
Specifications subject to change without notice

Rotary Table Dimensions

Reference Only • Detailed drawings available upon request



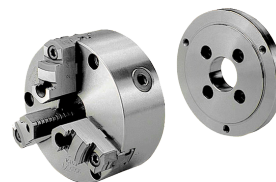
Options & Accessories

Additional Accessories Available

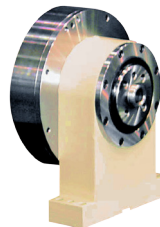
Manual Tailstock w/ MT3 Center
(TL-210M) - \$3,200.00



3-Jaw Scroll Chucks
10" (EZ-103) - \$1,800.00

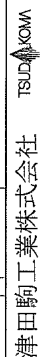


Support Spindle w/ Pneumatic Clamp
(TS-210P) - \$7,000.00

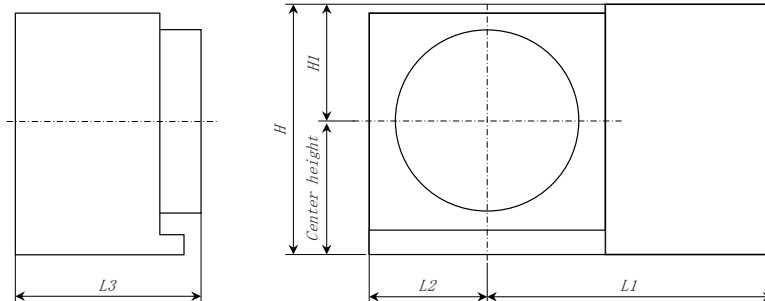


Support Spindle
(TS-210) - \$4,500.00





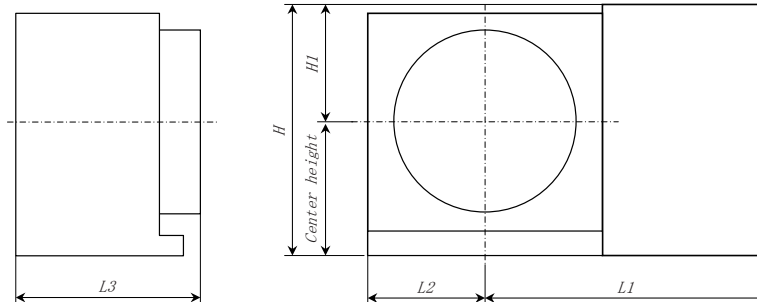
RWA vs RWE Series Specification Chart							
Specification			Tsudakoma				
Model			RWA-160	RWE-160	RWA-200	RWE-200	
Spindle outer dia.		mm	φ100	φ100	φ120	φ120	
Table dia.		mm	φ160 φ200	(φ160 φ200)	φ200 φ250	φ200 φ250	
Center height		mm	135	135	160	160	
Center bore	Nose dia.	mm	φ55H7x45	φ55H7x45	φ65H7x45	φ65H7x45	
	Thru dia.	mm	φ40	φ40	φ45	φ45	
Clamp system			Pneumatic	Pneumatic	Pneumatic	Pneumatic	
Clamp torque @ 0.49MPa (Pneumatic)		Nm	500	250	800	400	
Servo motor (by FANUC)			α2/5000i	α4/4000i	α4/4000i	α4/4000i	
Speed reduction ratio			1/72	1/90	1/72	1/90	
Table rotation speed		min ⁻¹	69.4	44.4	55.5	44.4	
Indexing accuracy (cumulative)		sec	25	25	20	20	
Repeatability		sec	4	4	4	4	
Net weight		kg	36	44	56	62	
Allowable work weight		kg	100	75	125	100	
		kg	200	150	250	250	
Allowable load when table clamped		N	10800	7840	14400	13720	
		N・m	780	392	1900	980	
Allowable wheel torque		N・m	206	206	288	288	
Allowable work inertia		kgm ²	0.64	0.48	1.25	1.25	
Outline dimension (Not included cable box)	H	mm	220		272	270	292
	H1	mm	85		137	110	132
	L1	mm	250	285	305	315	305
	L2	mm	85		103	105	122
	L3 (with face plate)	mm	185		185	195	195
	L3 (without face plate)	mm	155		155	165	165



RNE-SERIES COMPARISON CHART

TSUDAKOMA

RWA vs RWE Series Specification Chart						
Specification			Tsudakoma			
Model			RWA-250	RNE-250	RWA-320	RNE-320
Spindle outer dia.		mm	φ 140		φ 180	
Table dia.		mm	φ 250	φ 250	φ 320	φ 320
Center height		mm	160	160	210	210
Center bore	Nose dia.	mm	φ80H7x45	φ75H7x45	φ115H7x45	φ110H7x45
	Thru dia.	mm	φ50	φ46	φ85	φ82
Clamp system			Pneumatic	Pneumatic	Pneumatic	Pneumatic
Clamp torque @ 0.49MPa (Pneumatic)		Nm	1,000	600	1,500	1,000
Servo motor (by FANUC)			α8/3000i	α8/3000i	α8/3000i	α12/3000i
Speed reduction ratio			1/72	1/120	1/120	1/120
Table rotation speed		min ⁻¹	41.6	25	25	25
Indexing accuracy (cumulative)		sec	20	30	20	30
Repeatability		sec	4	4	4	4
Net weight		kg	75	107	145	205
Allowable work weight		kg	125	100	175	150
		kg	250	250	350	350
Allowable load when table clamped		N	14400	13720	24800	19600
		N・m	1900	980	4700	1960
Allowable wheel torque		N・m	596	596	939	939
Allowable work inertia		kgm ²	1.95	1.95	4.48	4.48
Outline dimension (Not included cable box)	H	mm	285	295	370	380
	H1	mm	125	135	160	170
	L1	mm	330	377	365	447
	L2	mm	120	140	155	170
	L3 (with face plate)	mm	195	190	250	250
	L3 (without face plate)	mm	165		210	





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