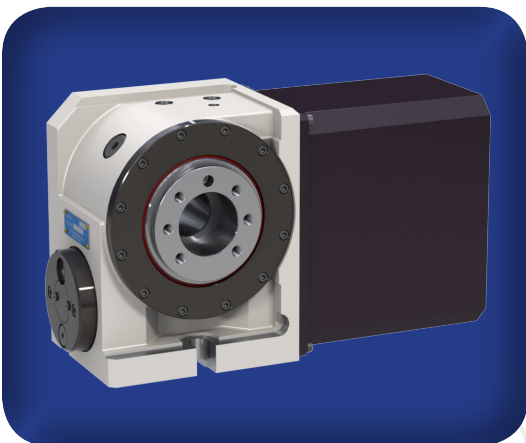




TSUDAKOMA

ROTARY TABLE SELECTION GUIDE

brother®



20 Thompson Rd | East Windsor | CT 06088

1.800.249.5662 | 860.623.4132 Fax

www.komaprecision.com | info@komaprecision.com

KOMA PRECISION has the **FINEST** the world has to offer in machine tool **Productivity Innovation**

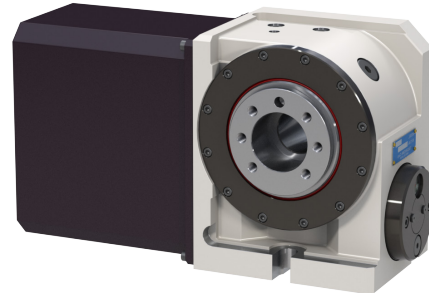
KOMA Precision is the foremost source for the finest the world has to offer in machine tool Productivity Innovation. For over 35 years KOMA has been providing superior service and support.

KOMA precision is the largest distributor of NC rotary tables and indexers in the world with over 30,000 rotary table installations. KOMA is also the world's largest supplier for Alberti (the originator and innovator of productivity tooling) with over 12,000 angle heads and live tools installations.





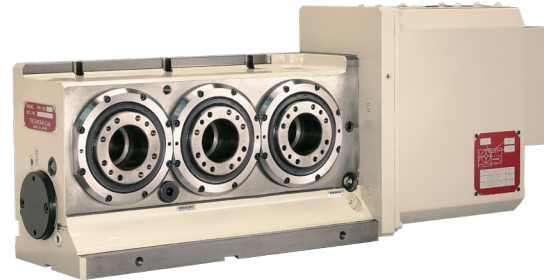
RWE SERIES



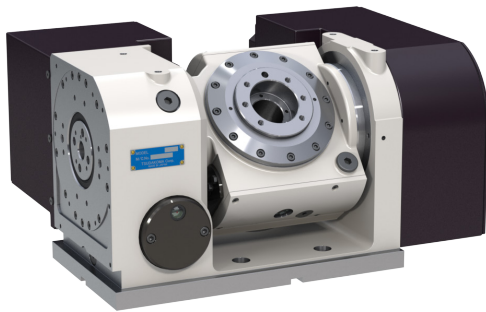
RWA SERIES



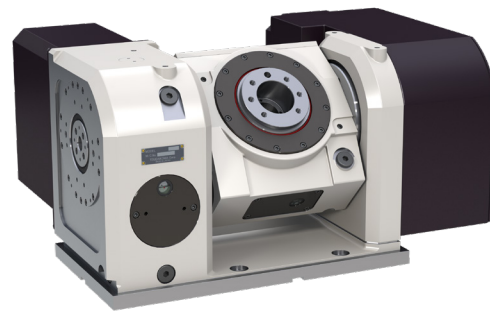
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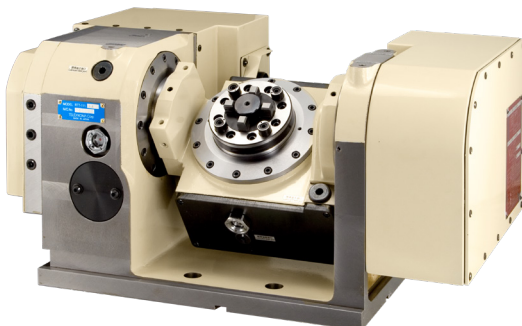
RN-MULTI SERIES



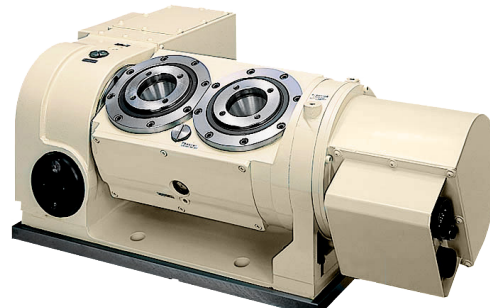
TWA SERIES



TBS SERIES



**5TH AXIS TILTING
RTT-111, CA**



TTNC SERIES

TSUDAKOMA ROTARY TABLES	S500X1			
	RWE SERIES	RWE-160 L	RWE-200 L	
	RWA SERIES	RWA-160 L	RWA-200 L	
	RBS SERIES	RBS-160		
	RN MULTI SERIES	RN-100R-2	RN-100R-3	RN-100R-4
	TWA SERIES	TWA-130	TWA-160	
	TBS SERIES	TBS-130	TBS-160	
	5 TH AXIS TILTING	RTT-111, CA		
	TTNC SERIES	TTNC-102-2		
	S700X1			
	RWE SERIES	RWE-160 L	RWE-200 L	
	RWA SERIES	RWA-160 L	RWA-200 L	
	RBS SERIES	RBS-160		
	RN MULTI SERIES	RN-100R-2	RN-100R-3	RN-100R-4
	TWA SERIES	TWA-130	TWA-160	
	TBS SERIES	TBS-130	TBS-160	
	5 TH AXIS TILTING	RTT-111, CA		
	TTNC SERIES	TTNC-102-2		
	S1000X1			
	RWE SERIES	RWE-160 L	RWE-200 L	
	RWA SERIES	RWA-160 L	RWA-200 L	
	RBS SERIES	RBS-160		
	RN MULTI SERIES	RN-100R-2	RN-100R-3	RN-100R-4
	TWA SERIES	TWA-130	TWA-160	
	TBS SERIES	TBS-130	TBS-160	
	5 TH AXIS TILTING	RTT-111, CA		
	TTNC SERIES	TTNC-102-2		



S500X1



S700X1

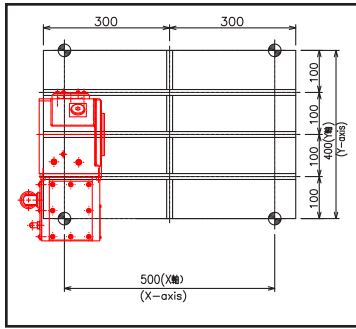


S1000X1

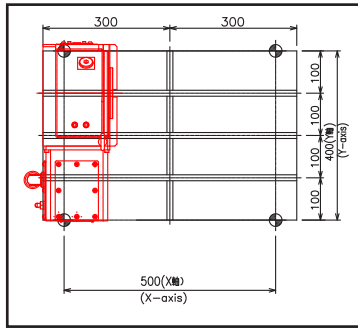
TSUDAKOMA ROTARY TABLES	R450X1			
	RWE SERIES	RWE-160 L	RWE-200 L	
	RWA SERIES	RWA-160 L	RWA-200 L	
	RBS SERIES	RBS-160		
	TWA SERIES	TWA-130		
	TBS SERIES	TBS-130		
	5 TH AXIS TILTING	RTT-111, CA		
	R650X1			
	RWE SERIES	RWE-160 L	RWE-200 L	
	RWA SERIES	RWA-160 L	RWA-200 L	
	RBS SERIES	RBS-160		
	TWA SERIES	TWA-130		
	TBS SERIES	TBS-130		
	5 TH AXIS TILTING	RTT-111, CA		
	TC-32BNQT			
	RWE SERIES	RWE-160 L	RWE-200 L	
	RWA SERIES	RWA-160 L	RWA-200 L	
	RBS SERIES	RBS-160		
	TWA SERIES	TWA-130	TWA-160	
	TBS SERIES	TBS-130	TBS-160	

**R450X1****R650X1****TC-32BNQT**

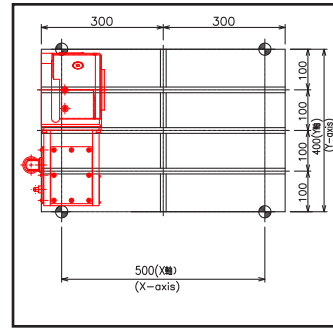
The Brother logo, consisting of the word "brother" in a stylized blue font.



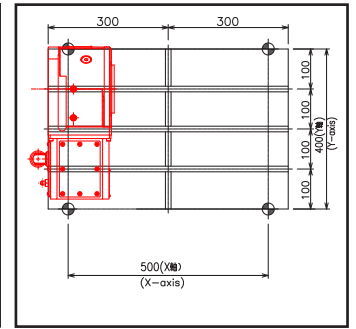
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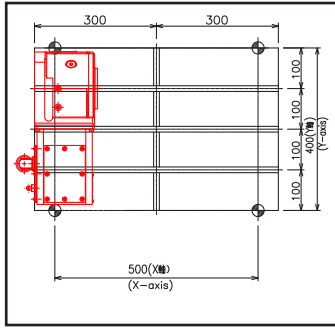
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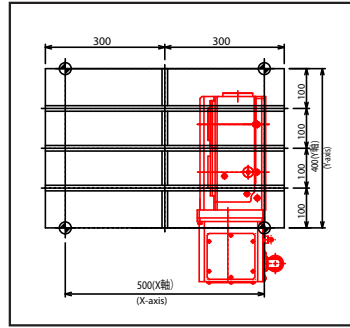
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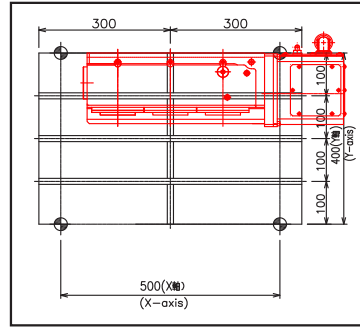
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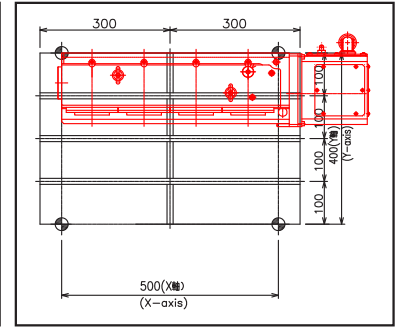
RBS-160



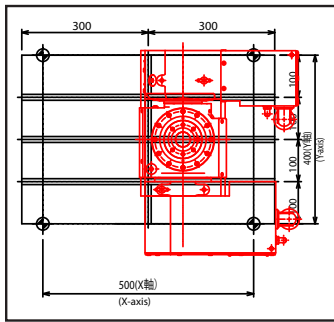
RN-100R-2



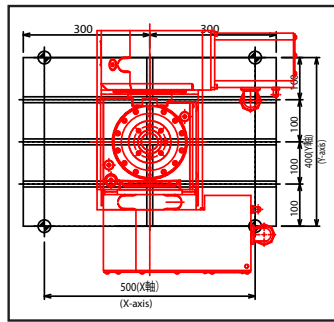
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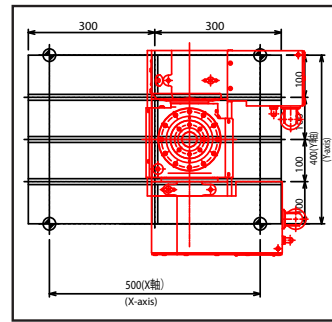
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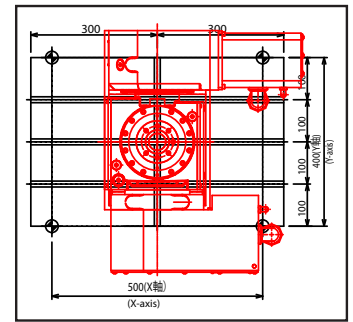
TBS-130



TBS-160

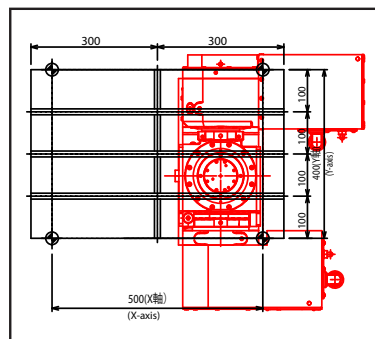


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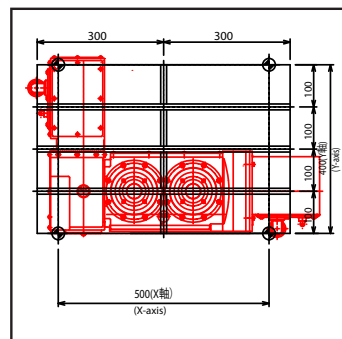


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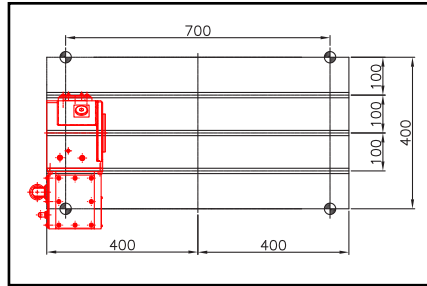
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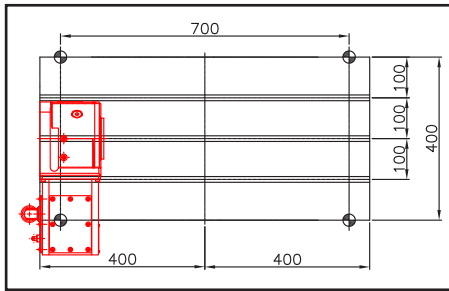
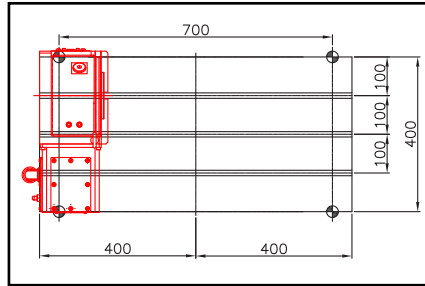
TTNC-102-2



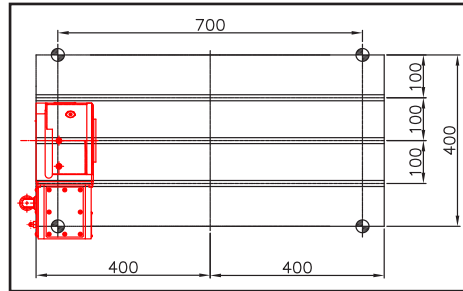
RWE-160L



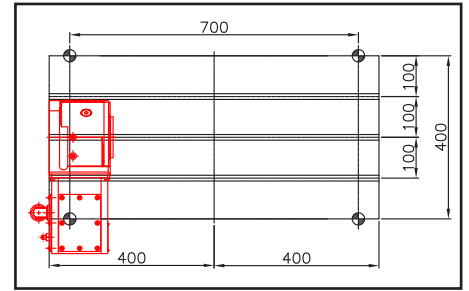
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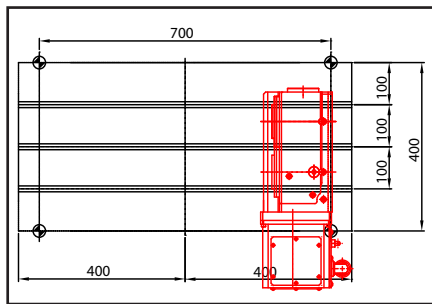
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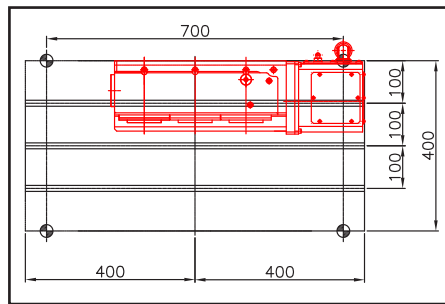
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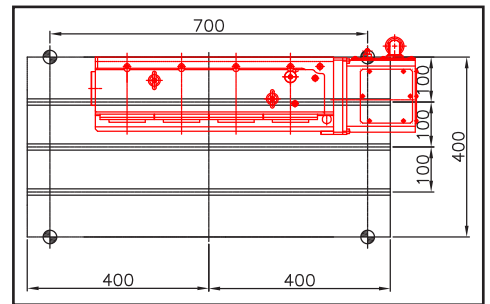
RBS-160



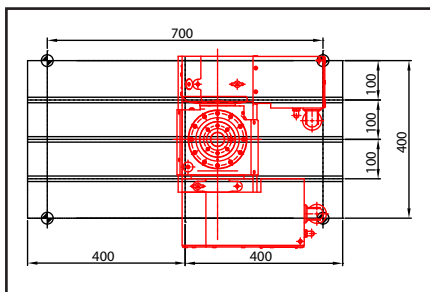
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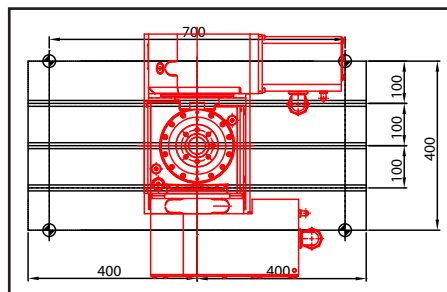
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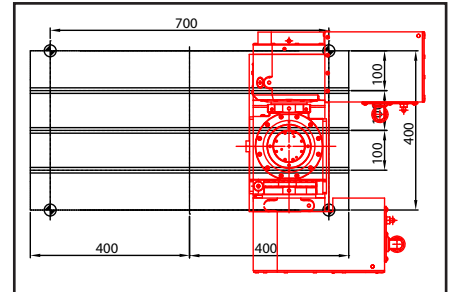
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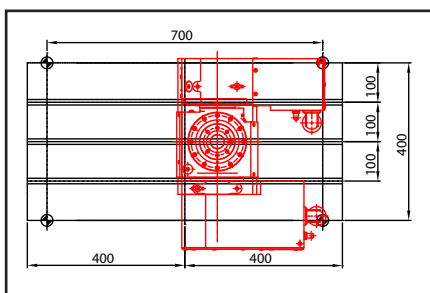
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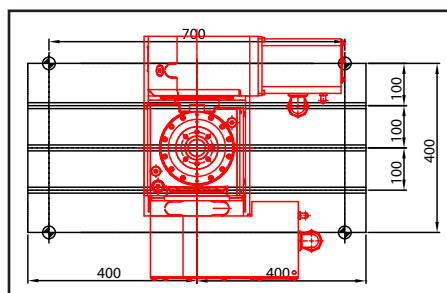
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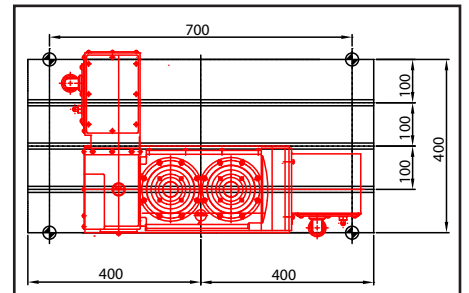
RTT-111, CA



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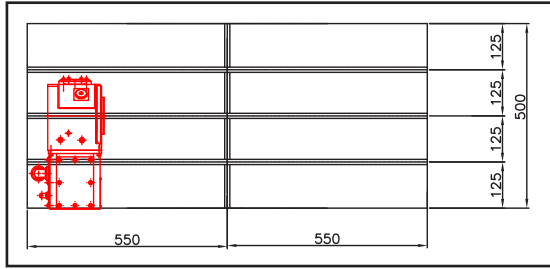


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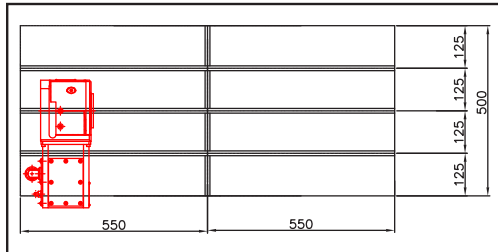
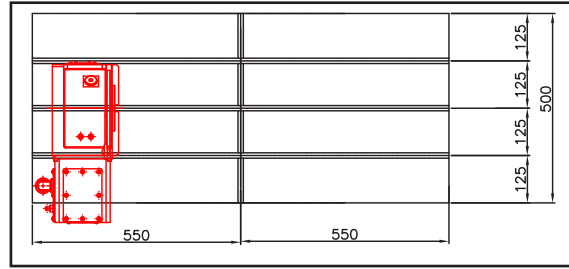


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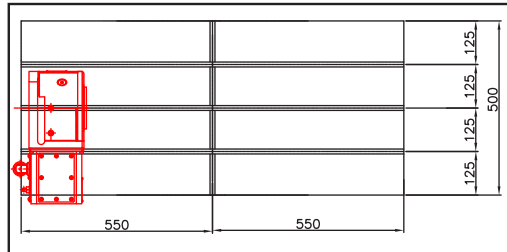
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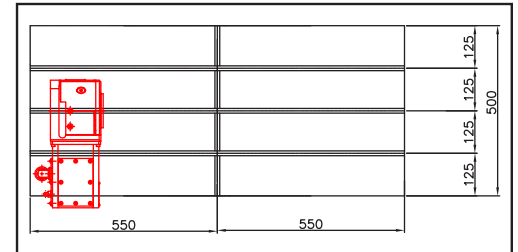
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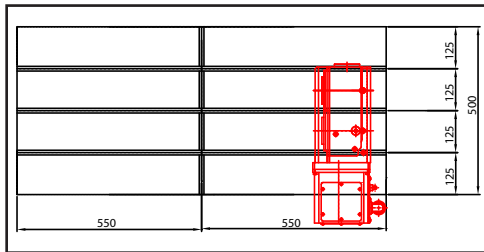
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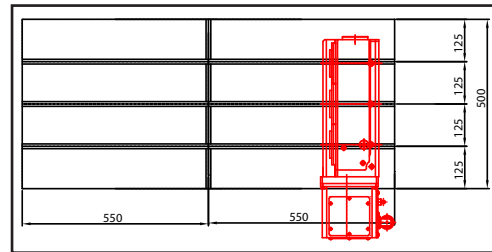
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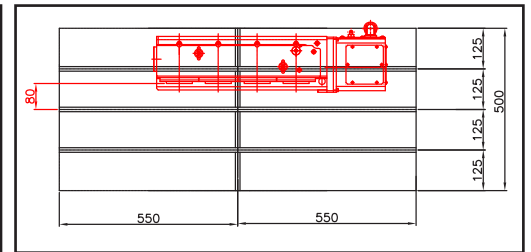
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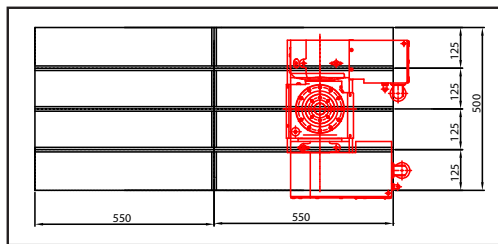
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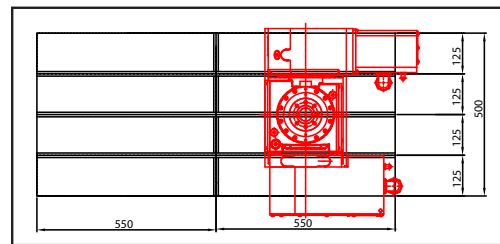
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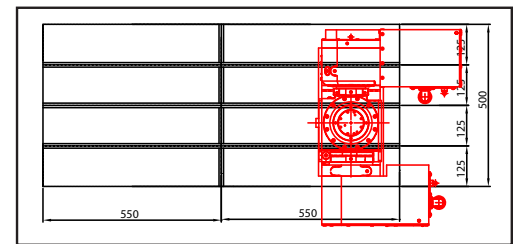
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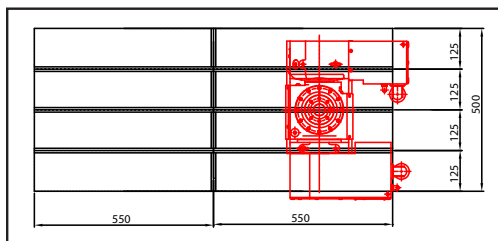
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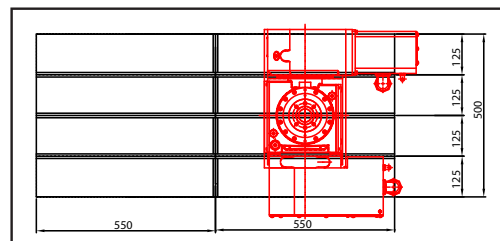
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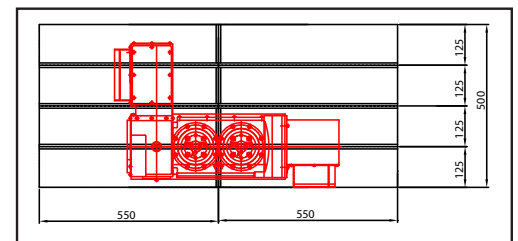
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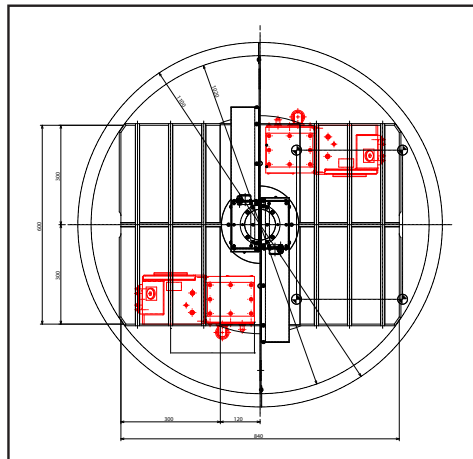
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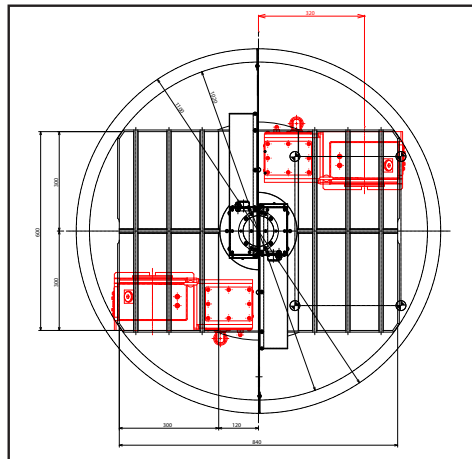
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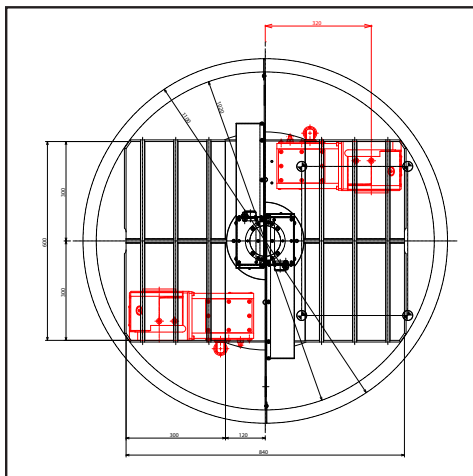
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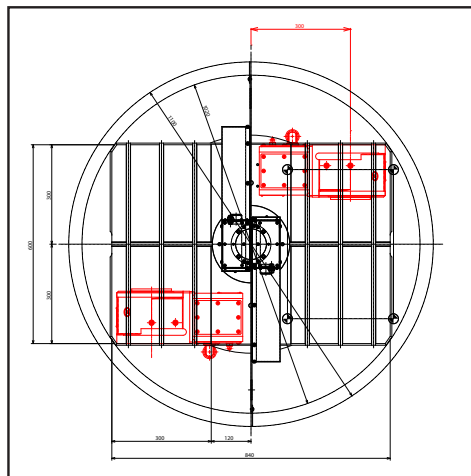
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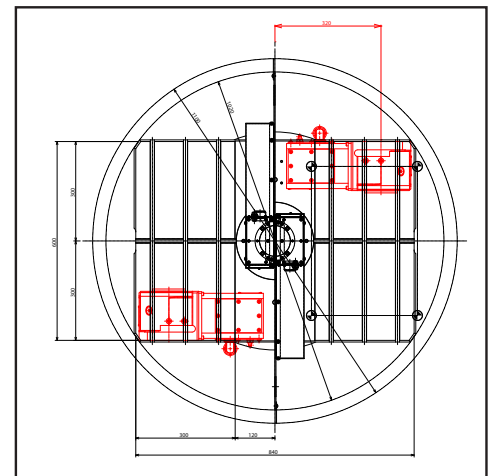
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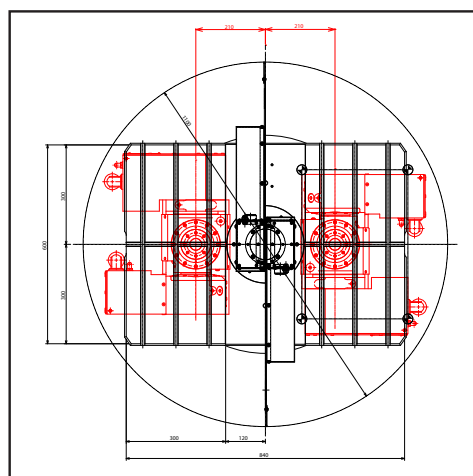
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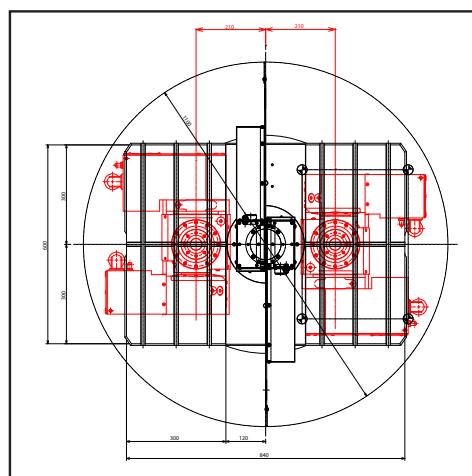
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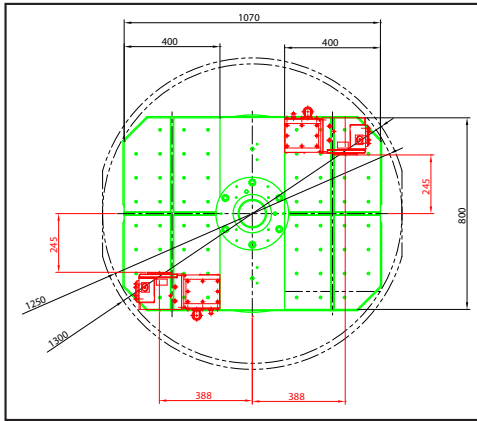
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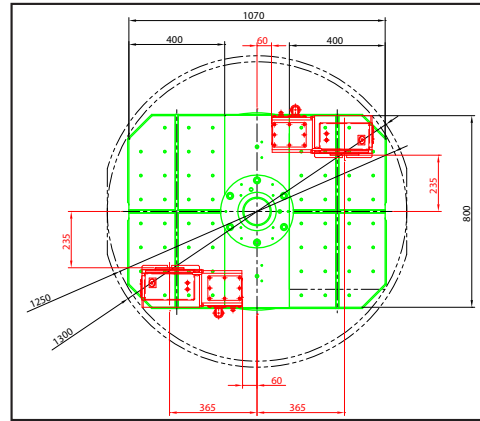
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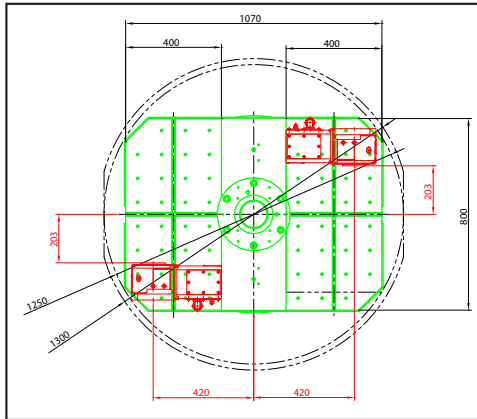
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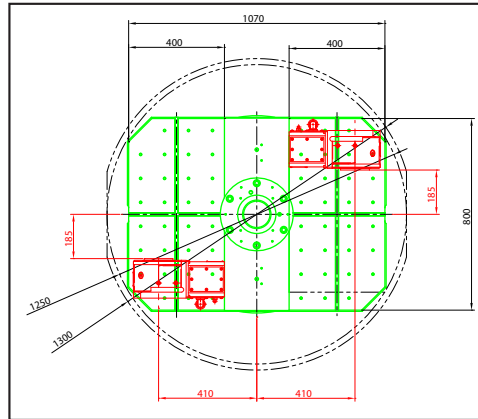
RWE-160L



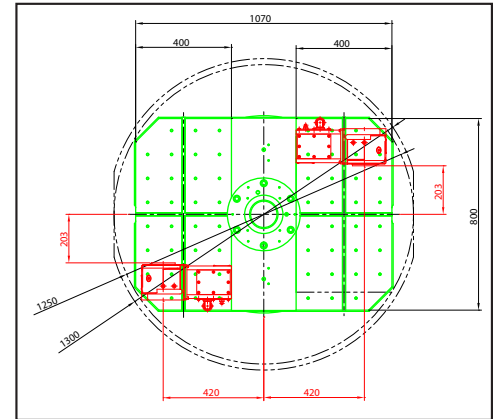
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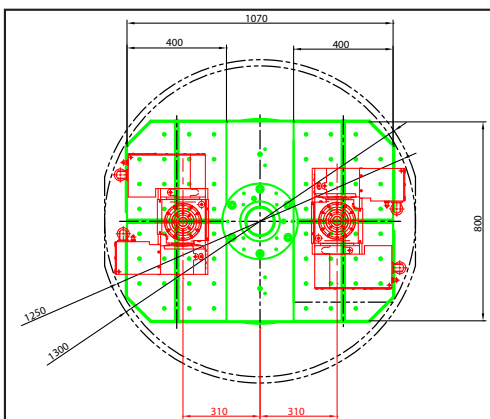
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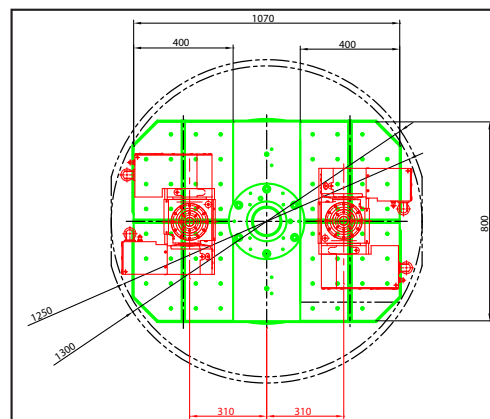
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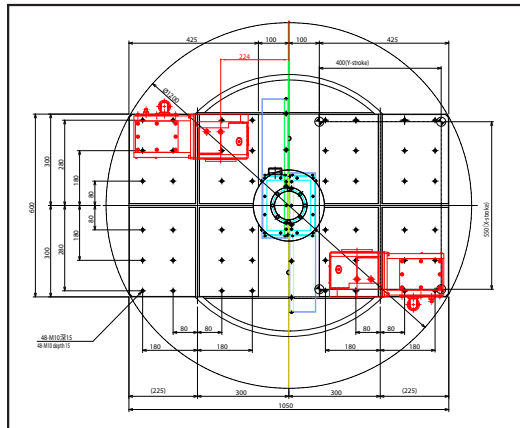
RBS-160



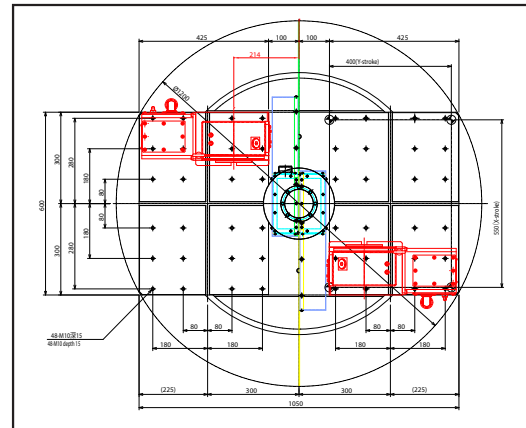
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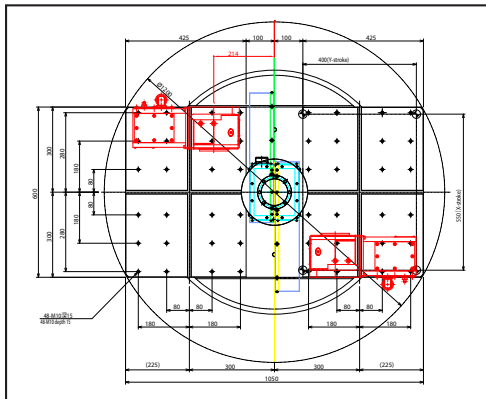
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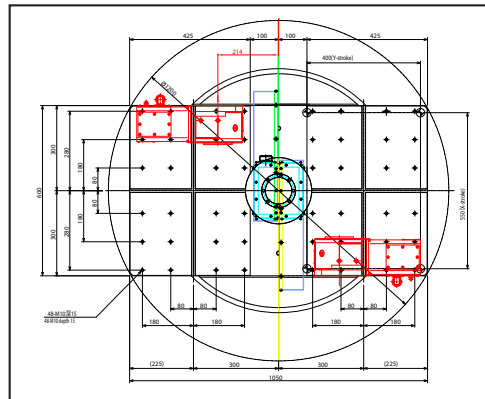
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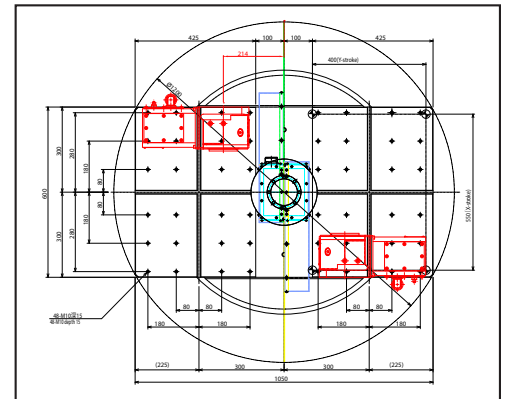
RWE-200L



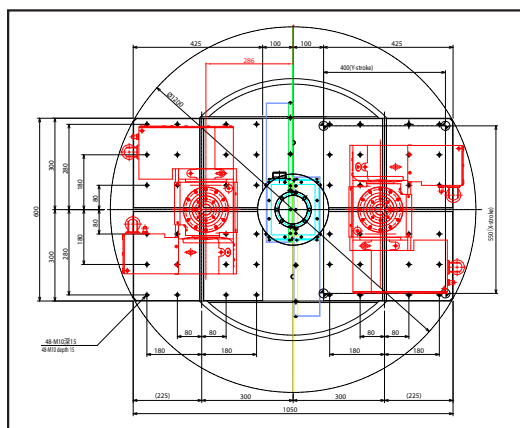
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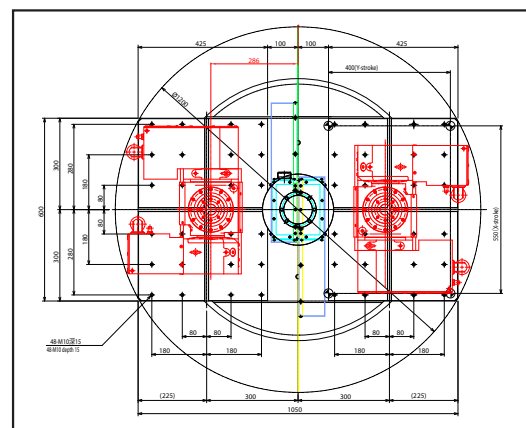
RWA-200L



RBS-160



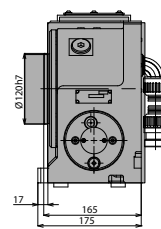
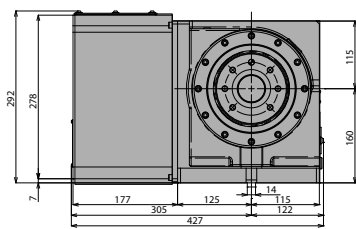
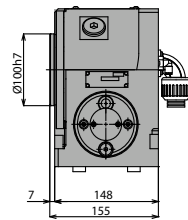
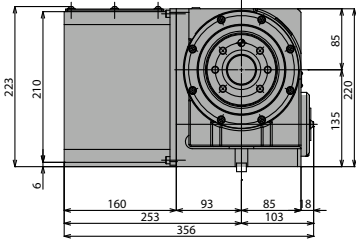
TWA-130



TBS-130

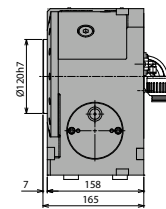
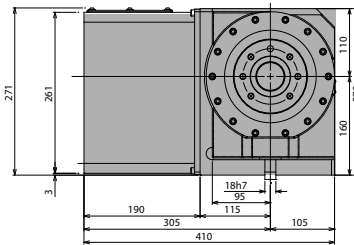
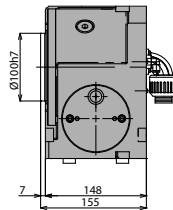
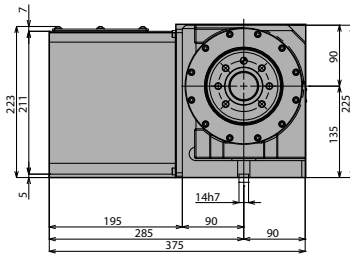
RWE, RWA, RBS-Series, RN-MULTI & RTT-111 CA ROTARY TABLE DIMENSIONS (Drawings Not To Scale)

RWE-160L



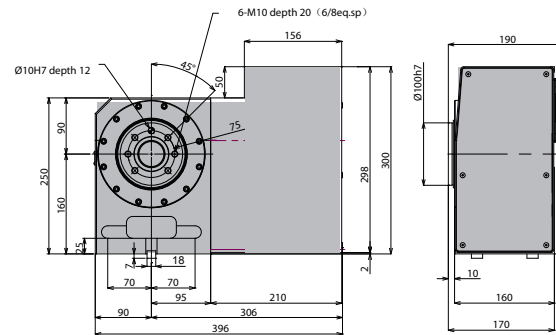
RWE-200L

RWA-160L

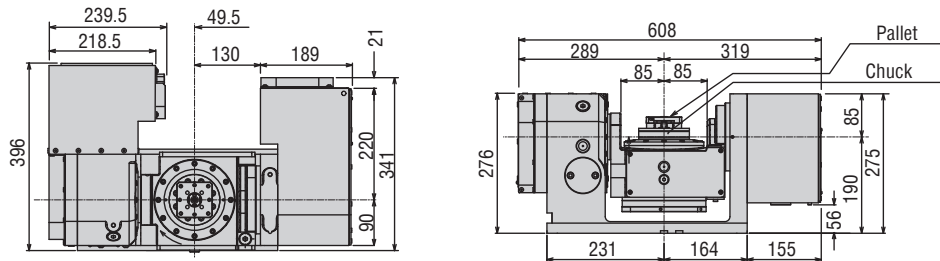


RWA-200L

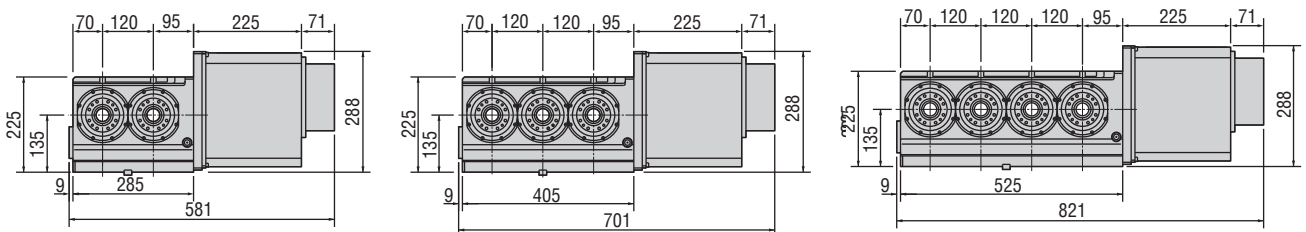
RBS-160



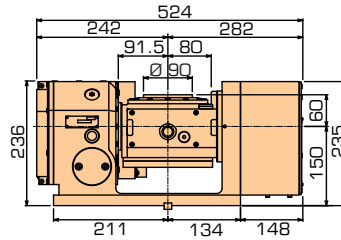
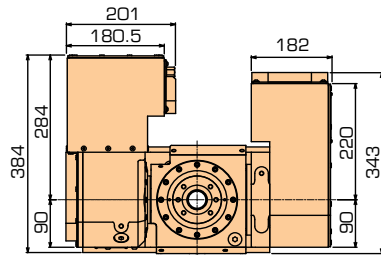
RTT-111, CA



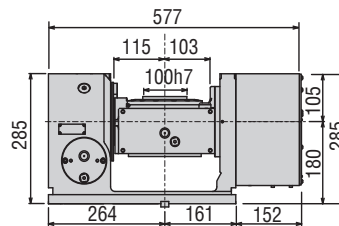
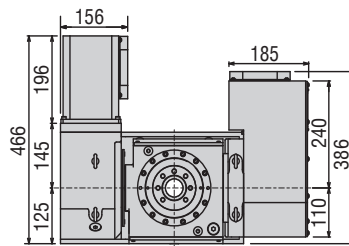
RN-100R-2/3/4



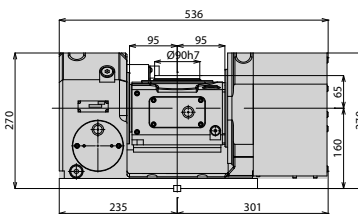
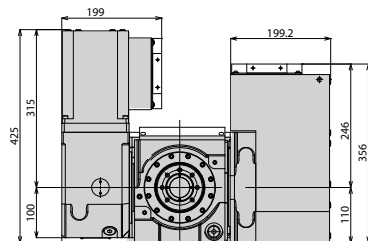
TWA, TBS & TTNC-Series ROTARY TABLE DIMENSIONS (Drawings Not To Scale)



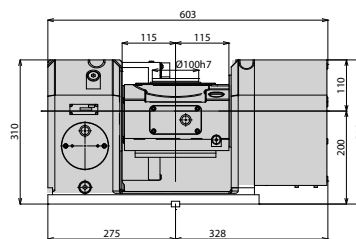
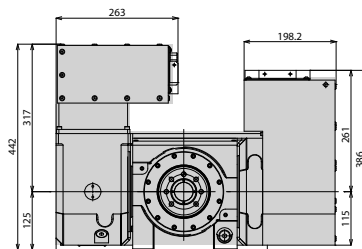
TWA-130



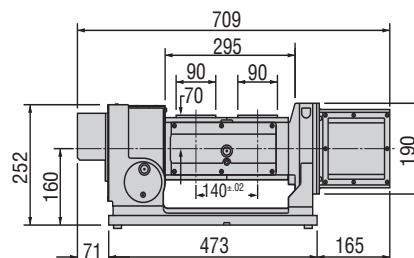
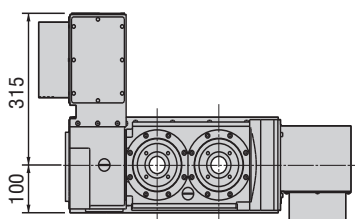
TWA-160



TBS-130



TBS-160



TTNC-102-2

RWE-Series Specifications

Dimensions = mm

Table Model		RWE-160	RWE-200
Versions available		L	L
Spindle outer diameter	mm	100h7	120h7
Table diameter (optional)	mm	(160, 200)	(200, 250)
Center height	mm	135	160
Center bore	Nose Diameter	mm	55H7
	Thru Diameter	mm	40
Servo motor*		Brother	Brother
Maximum motor speed	rpm	3,000	3,000
Maximum table speed	rpm	44.4	44.4
Clamp torque @72psi	Nm (ft. lbs.)	250 (180)	400 (295)
Indexing accuracy	arc sec.	±12.5	±10
Net Weight	kg (lbs.)	44 (97)	62 (136)
Allowable wheel torque	Nm (ft. lbs.)	206 (152)	288 (212)

* Other motors & RPM are machine specific

RWA-Series Specifications

Dimensions = mm

Table Model		RWA-160	RWA-200
Versions available		L	L
Spindle outer diameter	mm	100h7	120h7
Table diameter (optional)	mm	(160, 200)	(200, 250)
Center height	mm	135	160
Center bore	Nose Diameter	mm	55H7
	Thru Diameter	mm	40
Servo motor*		Brother	Brother
Maximum motor speed	rpm	5,000	4,000
Maximum table speed	rpm	69.4	55.6
Clamp torque @72psi	Nm (ft. lbs.)	500 (369)	800 (590)
Indexing accuracy	arc sec.	±12.5	±10
Net Weight	kg (lbs.)	38 (84)	61 (134)
Allowable wheel torque	Nm (ft. lbs.)	206 (152)	288 (212)

* Other motors & RPM are machine specific

RBS-Series Specifications

Dimensions = mm

Table Model			RBS-160
Versions available			R
Spindle outer diameter		mm	100h7
Table diameter (optional)		mm	(160, 200)
Center height		mm	160
Center bore	Nose Diameter	mm	55H7
	Thru Diameter	mm	40
Servo motor*			Brother
Maximum motor speed		rpm	5,000
Maximum table speed		rpm	138.9
Clamp torque @72psi		Nm (ft. lbs.)	700 (516)
Indexing accuracy		arc sec.	±7.5
Net Weight		kg (lbs.)	55 (121.2)
Allowable wheel torque		Nm (ft. lbs.)	--

* Other motors & RPM are machine specific

RN-Series Specifications

Dimensions = mm

Table Model		RN-100-2,3,4			
Versions available		R, L			
Spindle outer diameter		mm	80h7		
Table diameter (optional)		mm	(115)		
Center height		mm	135		
Center bore	Nose Diameter	mm	50H7		
	Thru Diameter	mm	30		
Servo motor*		Brother			
Maximum motor speed		rpm	4,000		
Number of spindles			2	3	4
Maximum table speed		rpm	111.1		
Clamp torque @72psi		Nm (ft. lbs.)	80 (59)		
Indexing accuracy		arc sec.	±30		
Net Weight [dual spindle]		kg (lbs.)	70-110 (154-242)		
Allowable wheel torque		Nm (ft. lbs.)	178 (131)		

* Other motors & RPM are machine specific

ROTARY TABLE SPECIFICATIONS

TSUDAKOMA

TWA-Series Specifications

Dimensions = mm

Model			TWA-130		TWA-160	
Tilt Range			-17° ~ +107°		-30° ~ +110°	
Spindle outer diameter		mm	90h7		100h7	
Table diameter (optional)		mm	(135)		(160 or 200)	
Center height at 90° position		mm	150		180	
Center bore	Nose Diameter (w/ face plate)	mm	55H7 (40H7)		55H7 (50H7)	
	Thru Diameter	mm	35		40	
Servo motor*			Rotary	Tilt	Rotary	Tilt
			Brother	Brother	Brother	Brother
Maximum motor speed		rpm	5,000	5,000	5,000	5,000
Maximum table speed		rpm	83.3	41.7	69.4	41.7
Clamp system			Pneumatic Dual Taper			
Clamp torque @72psi [500 psi]		Nm (ft. lbs.)	500 (369)	500 (369)	500 (369)	800 (590)
Indexing accuracy		arc sec.	±20	-	±15	-
Tilting accuracy		arc sec.	-	±22.5	-	±22.5
Net Weight		kg (lbs.)	76 (167)		127 (279)	
Allowable wheel torque - rotary		Nm (ft. lbs.)	152 (112)		200 (147)	

* Other motors & RPM are machine specific

RTT-111, CA Specifications

Dimensions = mm

Model		RTT-111,CA	
Tilt Range		-17° ~ +107°	
Spindle Output		See Options & Accessories	
Center height at 90° position	mm	190	
Servo motor (Fanuc) *		Rotary	Tilt
		Brother	Brother
Maximum motor speed	rpm	5,000	5,000
Speed reduction ratio		1/60	1/120
Maximum table speed	rpm	83.3	41.7
Inertia converted into motor shaft	x 10 ⁻³ kg.m ²	.074	.072
Clamp system		Pneumatic Dual Taper	
Clamp torque @72psi	Nm (ft. lbs.)	500 (369)	500 (369)
Indexing accuracy	arc sec.	±20	-
Indexing repeatability	arc sec.	±2	-
Tilting accuracy	arc sec.	-	±30
Net Weight	kg (lbs.)	98 (216)	
Allowable wheel torque - rotary	Nm (ft. lbs.)	152 (112)	

* Other motors & RPM are machine specific

Model		TBS-130,H		TBS-160,H	
Tilt Range		-30° ~ +110°			
TBS Series Specifications		Dimensions = mm			
Table diameter		mm	135	(160 or 200)	
Table height at 0° position		mm	225 (250 w/faceplate)	270 (300 w/faceplate)	
Center height at 90° position		mm	160	200	
Center bore	Nose Diameter	mm	55H7 (40H7)	55H7 (50H7)	
	Thru Diameter	mm	40	40	
Servo motor (Fanuc)*		Rotary	Tilt	Rotary	Tilt
		Alpha 2i	Alpha 2i	Alpha 2i	Alpha 4i
Maximum motor speed		rpm	5,000	5,000	5,000
Speed reduction ratio			1/48	1/60	1/60
Maximum table speed		rpm	104.2	83.3	83.3
Inertia converted into motor shaft		x 10 ⁻³ kg·m ²	.074	.072	.17
Clamp system			Pneumatic	Pneumatic	Pneumatic
Holding torque @ 72psi		Nm (ft. lbs.)	700 (516)	700 (516)	700 (516)
Indexing accuracy		arc sec.	±10	-	±10
Indexing repeatability		arc sec.	±2	-	±2
Net Weight		kg (lbs.)	125 (276)	160 (353)	
Allowable work inertia		kg·m ²	.08	.19	

* Other motors & RPM are machine specific

TTNC-102-2 Specifications

Dimensions = mm

Model		TTNC-102-2	
Tilt Range		-17° ~ +107°	
Spindle outer diameter	mm	90h7	
Table diameter (optional)	mm	(135)	
Table height at 0° position (w/ face plate)	mm	230 (255)	
Center height at 90° position	mm	160	
Center bore	Nose Diameter (w/ face plate)	mm	
	Thru Diameter	mm	
Servo motor *		Rotary	Tilt
		Brother	Brother
Maximum motor speed	rpm	5,000	5,000
Maximum table speed	rpm	55.6	27.8
Clamp system		Pneumatic	Pneumatic
Clamp torque @72psi [500 psi]	Nm (ft. lbs.)	127 (94)	284 (209)
Indexing accuracy	arc sec.	±20	-
Tilting accuracy	arc sec.	-	±22.5
Net Weight	kg (lbs.)	100 (220)	
Allowable wheel torque - rotary	Nm (ft. lbs.)	93 (69)	

* Other motors & RPM are machine specific



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