



## Rusach International 2-Series: Horizontal NC Rotary Tables - Range B 800mm thru 2,000mm



Made in the USA

### The Rusach Advantages

#### Application

For applications that require table sizes between 800mm and 2,000mm diameter in the horizontal and vertical position. Suitable for heavy machining and metrology applications with high accuracies and heavy load capabilities.

#### Bearing

Axial-radial roller bearings provide high rigidity in both planes. Sensitivity and fine positioning ensured.

#### Clamping

Distortion free passive clamping by preloaded spring elements and hydraulic release.

#### Measuring Systems

Standard mechanical accuracy of +/- 15.0 arc seconds. High precision Heidenhain encoders are offered for increased accuracies to +/-1.0 arc seconds.

#### Motors

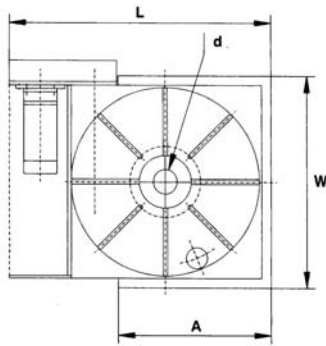
DC and AC servomotors.

#### Construction

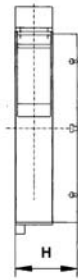
Modular design permits freedom to match application requirements. Worm gear drive specially configured for maximum torque and minimum (adjustable) backlash.



Every Challenge Has A Solution



## 2-Series: Horizontal NC Rotary Tables - Range B



### Available Options

- Hand Scraped Table Top Surface
- Customized Table Top
- Workpiece Clamping System
- Prepared for Pallet System
- Alternative Measuring Systems made by Heidenhain. i.e. (ROD 800).
- Air Inlet for Internal Pressurization
- Various Motor Drives and Intermediate Gear Boxes
- Prepared for Linear Axis (Saddle)
- Hydraulic Unit for the Clamping System
- Other Paint Surface Finishes
- NC Systems to Suit Your Application

### Standard Resolution

.0001 degree (others on request)

### Standard Accuracy

+/- 15 arc seconds. Higher accuracy on request.

### Clamp Release Pressure

90 bar or 1300 psi

### Painted Surface Finish

RAL-Color range in textured surface finish

For other specifications please contact our Technical Department.  
The rights for modification are reserved.

**Reference dimensions only. Approval prints are supplied on all tables.**

**Call Rusach International**

**100 Raymond Street**

**Hope, IN 47246**

**Phone: 317-638-0298**

**www.rusach.com**



Technical Data		Unit	2-08	2-10	2-12	2-16
Type Designation			D800	D1000	D1250	D1600
			D1000	D1250	D1600	D2000
			800x800	1000x1000	1250x1250	1600x1600
Table Size	Round	mm	800	1000	1250	1600
		Inches	31.50	39.37	49.21	62.99
	Square	mm	800x800	1000x1000	1250x1250	1600x1600
		Inches	31.5x31.5	39.37x39.37	49.21x49.21	62.99x62.99
T-slots (DIN 650)	Size number	mm	18	18	22	22
			8	8	8	8
Dimension	L	mm	1115	1330	1630	1870
		Inches	43.90	52.36	64.17	73.62
	W	mm	900	1100	1350	1720
		Inches	35.43	43.31	53.15	66.93
	H	mm	270	300	360	470
		Inches	10.63	11.81	14.17	18.50
mm		280	310	370	480	
Inches		11.02	12.20	14.57	18.90	
Centre Hole	d	mm	100	100	100	100
		Inches	3.94	3.94	3.94	3.94
Weight (Approx) w/o motor	Round	kg	1,050	1,300	2,000	3,500
		lb	2,310	2,860	4,400	7,700
	Square	kg	1,100	1,400	2,100	4,000
		lb	2,420	3,080	4,620	8,800
Loading Capacity (uniform)		kg	8,000	13,000	18,000	25,000
		lb	17,600	28,600	39,600	55,000
Permitted Machining Force		N	50,000	75,000	100,000	100,000
		lb	11,000	16,500	22,000	22,000
Clamping Torque (standard)		Nm	17,000	22,000	30,000	65,000
		lb in	147,244	190,551	259,842	562,992
Max. Milling Torque		Nm	11,000	19,000	27,000	60,000
		lb in	95,286	164,567	233,858	519,685
Main Gear Ratio (standard)			360:1	360:1	360:1	360:1
Parallelism		mm	0,020	0,020	0,030	0,030
		inches	0,0008	0,0008	0,0012	0,0012
Face Plate Runout (0.9xD Max)		mm	0,015	0,015	0,020	0,020
		inches	0,0006	0,0006	0,0008	0,0008
Runout of Centre Bore		mm	0,010	0,010	0,010	0,010
		inches	0,0004	0,0004	0,0004	0,0004

**Every Challenge Has A Solution**