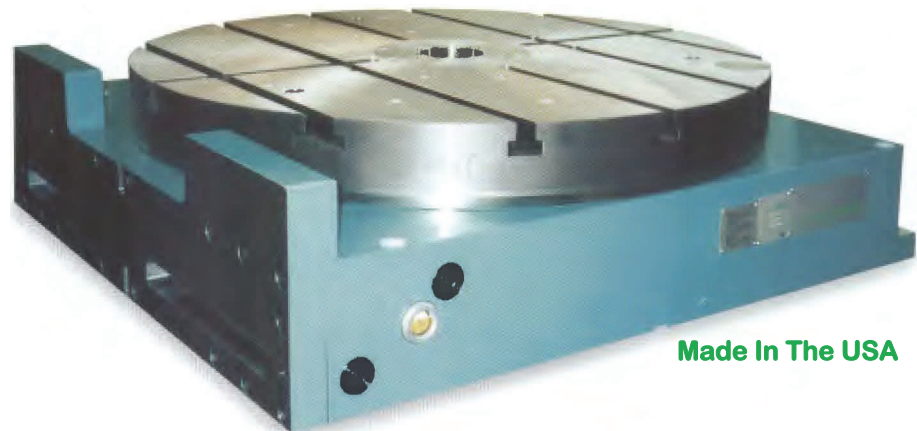


2-Series: Horizontal NC Rotary Tables—Range B



A Precision Range offering great versatility



Made In The USA

The Rusach Advantages

Application

For situations that require table sizes between 800mm and 2000mm diameter in the horizontal and vertical position. With high accuracy and high loading capacities, they are suitable for heavy machining and metrology applications.

Bearing

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

Clamping

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

Measuring Systems

High precision Heidenhain angular encoders and rotary inductosyns are standard.

Motors

DC and AC

Construction

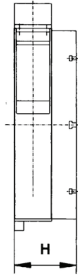
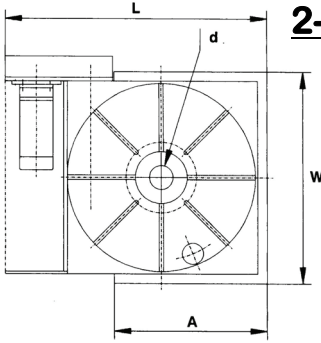
The modular design permits freedom to match application requirements. The worm gear drive is specially configured for maximum torque and minimum (adjustable) backlash.



Every Challenge Has A Solution



2-Series: Horizontal NC Rotary Tables—Range B



Available options

- Hand Scraped Table Top Surface
- Customized Table Top
- Work piece Clamping System
- Prepared for pallet system
- Alternative Measuring systems made by Heidenhain i.e. (ROD 800 or Inductosyn etc.)
- 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

0.0001 degree (others on request)

Standard Accuracy

Total dividing accuracy 3 arc second (higher on request)

Clamp Release Pressure

90 bar or 1300 psi

Painted surface finish

RAL-color range in textured surface finish

Table sizes up to 5000mm are available—also rectangular platens

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

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 Plate Size	Dia.	mm	800	1000	1250	1600	
		Inches	31.50	39.37	49.21	62.99	
	mm	1000	1250	1600	2000		
	Inches	39.37	49.21	62.99	78.74		
T-slots (DIN 650)	Size number	mm	18	18	22	22	
		Inches	8	8	8	8	
	Dimension	L	mm	1115	1330	1630	1870
			Inches	43.90	52.36	64.17	73.62
Dimension	W	mm	900	1100	1350	1720	
		Inches	35.43	43.31	53.15	66.93	
Centre Hole	H	mm	270	300	360	470	
		Inches	10.63	11.81	14.17	18.50	
	Centre Hole	mm	280	310	370	480	
		Inches	11.02	12.20	14.57	18.90	
Weight (Approx)	kg	mm	290	320	380	490	
		Inches	11.42	12.60	14.96	19.29	
Weight (Approx)	lb	mm	100	100	100	100	
		Inches	3.94	3.94	3.94	3.94	
Loading Capacity (uniform)	kg	mm	100	100	100	100	
		Inches	3.94	3.94	3.94	3.94	
Loading Capacity (uniform)	lb	mm	1,050	1,300	2,000	3,500	
		Inches	2,310	2,860	4,400	7,700	
Permitted Machining Force	kg	mm	1,100	1,400	2,100	4,000	
		Inches	2,420	3,080	4,620	8,800	
Permitted Machining Force	lb	mm	1,200	1,500	2,200	4,100	
		Inches	2,640	3,300	4,840	9,020	
Clamping Torque (standard)	kg	mm	8,000	13,000	18,000	25,000	
		Inches	17,600	28,600	39,600	55,000	
Clamping Torque (standard)	N	mm	50,000	75,000	100,000	100,000	
		Inches	11,000	16,500	22,000	22,000	
Max. Milling Torque	Nm	mm	17,000	22,000	30,000	65,000	
		Inches	147,244	190,551	259,842	562,992	
Main Gear Ratio (standard)	Nm	mm	11,000	19,000	27,000	60,000	
		Inches	95,286	164,567	233,858	519,685	
Parallelism	mm	mm	360:1	360:1	360:1	360:1	
		Inches	0,0020	0,0020	0,0030	0,0030	
Face Plate Runout (0.9 x D Max)	mm	mm	0,0008	0,0008	0,0012	0,0012	
		Inches	0,0006	0,0006	0,0008	0,0008	
Runout of Centre Bore	mm	mm	0,010	0,010	0,010	0,010	
		Inches	0,0004	0,0004	0,0004	0,0004	

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