



2/DMT04-Series: NC Rotary Table



A Precision Range offering great versatility



Made In The USA

The Rusach Advantages

Application

For use as a positioning table with tabletop equipped with a pallet receiver for pallet sizes 400X400 mm up to 630X630 mm. Other executions are possible such as a tabletop of 630 mm in size.

Bearing

All sizes are equipped with pre-loaded axial-radial roller bearings with a high-loading capacity in both horizontal and vertical planes. This ensures sensitivity for the fine adjustment of the table platen.

Clamping

Distortion free active disk clamping actuated by hydraulic pressure.

Measuring systems

RENISHAW RESR ring encoder with a 1V_{PP} output signal is typical. The encoder matches the requirement of SIEMENS and FANUC control.

Motors

Torque motor designed for the special requirement of the application.

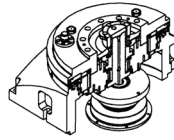
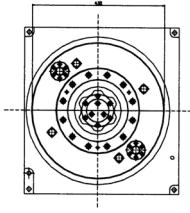
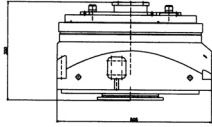
Construction

The modular construction provides the widest possible freedom for various applications.



Every Challenge Has A Solution

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Technical Data		Unit	DMT 04
Type Designation			04
Table Platen Size		mm	630
Other executions		inch	24.8
			Pallet receiver
T-slots	Size	mm	18
	Number		5
Dimension	L	mm	1,250
		inch	49.21
	W	mm	787
		inch	31
H	mm	565	
	inch	22.24	
Centre bore Ø H7	d	mm	40
		inch	1.57
Dead weight		kg	380
		lb	2,860
Permitted Load		kg	500
		lb	1,100
Nominal torque		Nm	670
		ft lbs	486.75
Peak torque		Nm	1,000
		ft lbs	737.5
Clamping torque		Nm	4,000
		ft lbs	2,950
Max. speed rotary axis		rpm	90
Max. acceleration with permitted load		Rpm/s ²	10
Parallelism		mm	0.010
		inch	0.0004
Faceplate wobble		mm	0.005
		inch	0.0002
Runout of center Bore		mm	0.005
		inch	0.0002



Available Options

- Hand scraped table top surface
- Customized table top
- Workpiece clamping system
- Prepared for pallet system
- Alternative measuring systems
- A horizontal and vertical version can be supplied. (Dual purpose)
- Air inlet for internal pressurization
- Various motors drives
- 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 to +/-3 arc seconds.
(Higher on request).

Painted Surface Finish

RAL-color range in textured surface finish

For other specifications please contact our Technical department.

(The rights for technical modifications are reserved)

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