



DIRECT DRIVE ROTARY TABLE PRODUCT CATALOGUE

**HIGH
ALIGN-
MENTS,
MORE
PRECISE.**

Among the advantages of these direct drive rotary tables, we can refer to the short time of indexing, their repeatability, their free choice of indexing positions, and their tolerability of extremely high radial and axial torques during rotation and stopping.

Systems based on direct drive rotary tables will surely be free of any defects for a long time, and will not require any repairs. Based on the application requirements, this product can be equipped with internal and/or external clamps.

DIRECT (TORQUE) DRIVE ROTARY TABLE FEATURES

- > High torque output direct drive with a compact design
- > Maximum dynamics thanks to the use of torque motors
- > The very high/ low rotational speed with minimum cogging torque
- > Short positioning time
- > No face gear results in zero backlash and maximizes the performance
- > Free scale angular steps
- > High accuracy between ± 3 arc second
- > High repeatability means less than 0.2 arc second
- > Outstanding low runout and wobble
- > Pneumatic clamping system for more rigidity of table head
- > Applicable from indexing to high-speed precision machining

APPLICATIONS:

- > Machine Tools
- > CNC Rotary Transfer Machines
- > Milling Machines
- > Machine Centers
- > Assembly Machines
- > Casting/ Foundry Machines
- > Rotating Satellites

Direct Drive Rotary Tables are offered in the following sizes:

Specifications\ Model	Units	DTRT24	DTRT32	DTRT40	DTRT50	DTRT60	DTRT80
Table Diameter	[mm]	Ø 240	Ø 320	Ø 400	Ø 500	Ø 600	Ø 800
Maximum Load	[Kg]	500	850	1000	2000	3200	5200
Rotational Speed	[rpm]	300	240	190	140	100	90
Continuous Torque	[Nm]	170	370	700	1230	1340	2740
Peak Torque	[Nm]	341	680	1260	2130	2577	5020
Axial Load Rating	[N] max	30000	40000	50000	55000	60000	110000
Tilting Moment	[Nm] max	3200	4500	8200	14000	16000	40000
Axial & Radial Runout	[mm]	0.02	0.02	0.02	0.02	0.02	0.02
Positioning Accuracy	[arcsec]	±3	±3	±3	±3	±3	±3



ROTOTRANS^{d.o.o.}

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