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High Performance Indexing Tables

RTMBⁱ

ETEL

ETEL

PRODUCT RANGE

With several thousand tables running in the field for over 10 years, ETEL's very successful and highly reliable RTMB indexing tables have been improved! Do you want to increase your machine throughput? The RTMBⁱ has been designed for you!

RTMBⁱ is the new range of high performance indexing tables combining ETEL's high efficiency torque motors and HEIDENHAIN's high resolution encoder technology in a very compact package.

The RTMBⁱ family consists of 5 different active lengths depending on the torque level requirements, each with an optimized 166 mm outside diameter.

	OUTER Ø / INNER Ø (MM)	HEIGHT (MM)	INERTIA (KG.M2)	PEAK TORQUE (NM)	CONTINUOUS TORQUE (NM)
RTMB ⁱ 140-030	166/25	86	1.5x10 ⁻³	39.3	9.4
RTMB ⁱ 140-050		115	2.1x10 ⁻³	65.5	14.5
RTMB ⁱ 140-070		135	2.6x10 ⁻³	91.7	18.9
RTMB ⁱ 140-100		165	3.4x10 ⁻³	131	26.6
RTMB ⁱ 140-150		215	4.6x10 ⁻³	197	36.4

RTMBⁱ are dedicated to applications requiring:

- High torque density
- Short indexing time
- High positioning accuracy
- Improved thermal stability

PERFORMANCE

- Bidirectional repeatability: ±3 arcsec
- Absolute accuracy: down to ±6 arcsec
- Speed: up to 1200 rpm

Compared to RTMB:

- Continuous torque improved by **up to 20%**
- Peak torque improved by **8.5%**
- Inertia reduced by **up to 20%**
- **600 VDC** compatibility
- **Same mechanical interface**

TYPICAL MARKETS AND APPLICATIONS

RTMBⁱ is the perfect solution for back-end semiconductor and electronic applications such as:

- MEMS testers
- Die bonders
- Rotary module in Pick and Place tester
- Turret testing handlers

Coupled to ETEL's force controlled short stroke actuators and AccurET controllers, the RTMBⁱ is a perfect solution for Turret Testing handlers.



RTMBⁱ

Short stroke actuators

AccurET