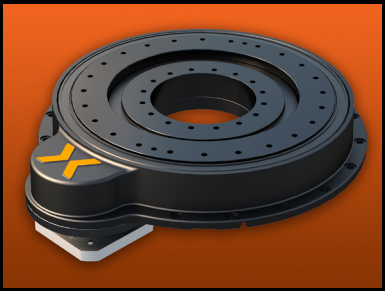
iMotion
MOVING TECHNOLOGY

REPRESENTS nexen



Motor-Ready Sealed Precision Rotary Indexer

Nexen has launched a new Motor Ready Sealed (MRS) precision rotary indexer with all the benefits of their patented precision roller pinion drive design – zero backlash, high precision, high torque, and high acceleration – plus its fully sealed and IP65 rated. Users can direct drive the system with the addition of a servo motor, eliminating the cost of a reducer, to cut engineering and installation time.

Highlights Include:

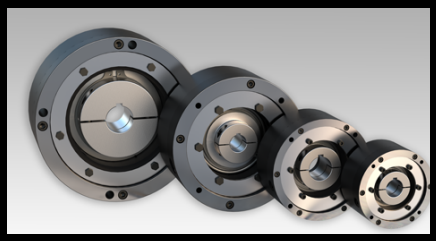
- High Indexing Precision: one-way positional accuracy up to ± 31 ArcSec and one-way
- repeatability up to ± 5.2 ArcSec
- Zero Backlash: Unlike other drive systems there is zero backlash from the motor
- through the driven load
- Acceleration: Up to twice as fast as other
- technologies
- High Speed: Up to 304 RPM
- Sizes: 150, 250, 350 mm output bolt circle diameter, with large open center to optimize performance in small spaces
- Low maintenance and long life

Applications:

The MRS is ideal for precision rotary indexing applications such as machine tool, and semiconductors, robotics, automated welding, medical packaging, assembly, cutting systems.

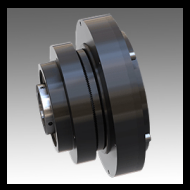
100% Zero-Backlash, Spring Engaged Brake

Nexen's new ZSE Brake Family offers high torque, high speed and zero backlash ideal for holding applications such as: Conveyor Systems, Positioning Indexing, Trunion Tables, and all other Standard Through Shaft Setups. Unlike brakes using leaf springs to transmit torque, the ZSE is zero-backlash up to 100% of its rated holding torque.



Highlights of the ZSE Brake Family include:

- 4 different sizes (450, 600, 800, 1000) for a wide variety of applications.
- Compact housing
- Bore sizes are available in 3 standard sizes and can be easily customized
- Holding torque up to 300 Nm
- Speeds up to 5000 RPM
- Zero-Backlash up to 100% of rated holding torque
- Zero-Backlash integral clamp collar
- Low inertia
- Cool operation



Which Tooth Clutch is Right For Your Machine?

Tooth clutches address functions including positioning, reversing or multiple speeds, disconnect, positive driving, and holding. (Spring engaged tooth clutches provide ultimate holding when mounted as a brake.)

Types of Tooth Clutches:

- **SINGLE POSITION:** Ball/detent/tooth interface clutches provide exact timing of machine components. The clutch keyway, a tooth space and the centerline of one locating ball are aligned for easy orientation, making it ideal for applications needing precise registration of two components such as printing rolls.
- **SPROCKET TOOTH CLUTCHES:** Ideal for in-line, zoned conveyor applications, as well as those applications requiring a small, drive sprocket as in integral part of the clutch.
- **MULTIPLE POSITION CLUTCHES:** This type of clutch is ideal for applications requiring a compact, high torque disconnect device. Enclosed, nickel-plated clutches work well in wet and dirty environments.

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