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Nexen products touch industries where applications improve lives, maximize equipment performance, improve efficiencies, minimize waste, reduce costs and enhance the environment. These industries include, aerospace, robotics, medical machine tool, automotive, factory automation, packaging and material handling.

**PRECISION LINEAR MOTION  
ROLLER PINION SYSTEM**



**RAIL BRAKES**



**ROLLER PINION GEAR  
SYSTEM**

Nexen's Precision Linear Motion technology is a combination of very high precision linear drive systems, compact harmonic gearheads, and high force brakes located at the drive motor or the linear guide system. Nexen's Roller Pinion System (RPS), Harmonic Gearhead (HG), and Eclipse Servo Brake (SBP) can be combined to form a complete, very high precision, zero backlash drive and brake system. With roots in the clutch and brake industry, Nexen provides nearly unlimited options to hold or emergency stop loads in linear applications with Rail Brakes (RB), Rod Locks (RLSS), and Ball Screw Brakes (BSB) added to the product lineup.



**LINEAR COUPLING**

**PRECISION ROTARY MOTION  
HARMONIC GEARHEADS**

**Call CDWdrives to Repair, Refurbish, Replace, Retrofit and/or Reverse Engineer your screw conveyor systems or any and all of your conveyor needs**



**MULTIPLE DISC CLUTCHES**



**SERVO BRAKE**



**TENSION CONTROL BRAKES**



Nexen's Precision Rotary Motion technology is a combination of very high precision rotary drive systems, high torque rotary brakes, and mechanical torque limiters, all delivering zero backlash. Nexen's Roller Pinion Gears and Gear Segments (RPG) and fully integrated Precision Ring Drive (PRD) indexers drive rotary motion with very high precision and zero backlash. Nexen Servo Brakes (SBP) and Indexer Brakes (I\*300) provide spring engaged, air released, zero backlash holding and emergency stopping in rotary applications. The zero backlash Mechanical Torque Limiters (MTL) reduce machine downtime caused by torque overloads.

**POWER TRANSMISSION  
FRICTION CLUTCHES**



Power transmission requires torque and Nexen products provide torque in a wide variety of clutches, brakes, torque limiters and coupling products. Nexen air actuated products are more efficient and economical than electrically actuated products of the same size. Air, unlike electricity, does not generate heat during engagement. Less heat allows greater torque transmission and efficiency. Nexen's simple designs are easy to use and maintain. When properly applied these products have a long service life

making the cost of ownership much less than competitive products.



**TENSION CONTROLLERS**



**TENSION CONTROL ACCESSORIES**

**TENSION CONTROL SYSTEMS**  
**TENSION CONTROL CLUTCHES**



Web control systems include tension control and web guide systems for the web industry.

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