

**Roller pinion system in corrosion-resistant stainless steel –
An alternative to traditional drive systems**

Wemmel, Belgium, March 2017. Nexen Group, Inc. introduces a stainless steel version of its patented precision roller pinion system RPS. The RPS engages two teeth simultaneously to achieve superior accuracy with zero backlash at any length. The system is quiet and efficient. Stainless steel makes it extremely corrosion resistant, with a long life of up to 36 million meters. Nexen's RPS provides a low maintenance, durable alternative to rack and pinion, ball screw and belt drive technology. The RPS is used for a wide range of applications including laser and plasma cutting machines and gantry machining centers.

The RPS system uses needle bearings to support the rollers that engage the teeth. This eliminates the sliding friction found in many other motion control systems, leading to an efficiency greater than 99 percent. This high efficiency means little is lost to friction, heat, and wear, providing a long life of 60,000,000 pinion revolutions or up to 36 million meters. Further key features include high speeds of up to 11 m/s (36 ft/sec), superior accuracy of $\pm 50 \mu\text{m}$, zero backlash, and unlimited length, with custom lengths and modular components available.

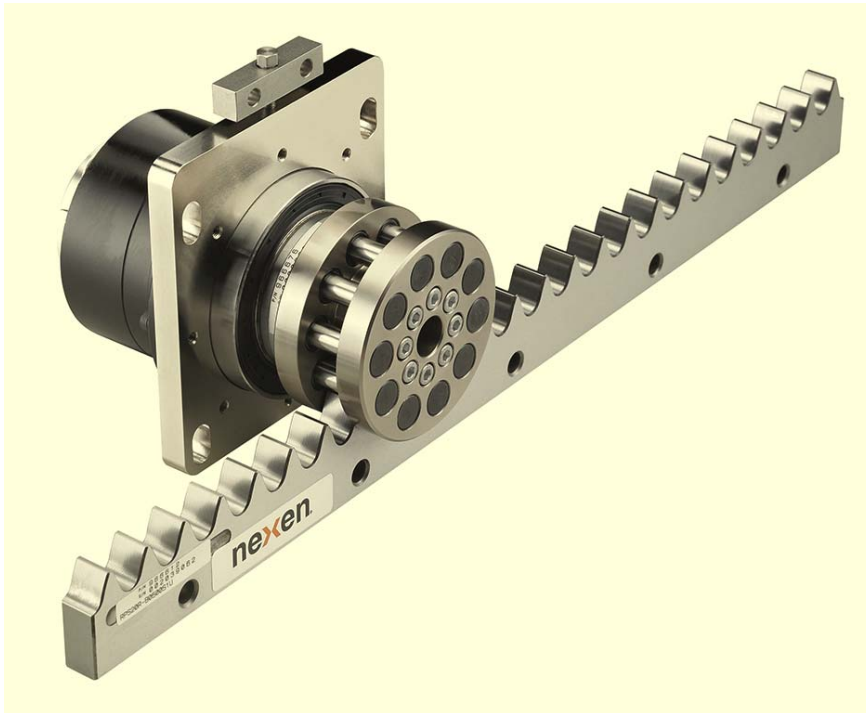
Nexen produces roller pinion systems, industrial brakes, clutches, torque limiters, overload protection devices and control systems. The company holds 120 US and international patents. Headquartered in the USA and with the European office based in Wemmel, Belgium, Nexen products are available from over 40 sales offices and more than 1,500 distributor outlets worldwide.

Key features and benefits:

- High speeds: 11 m/s (36 ft/sec)
- Superior accuracy: $\pm 50 \mu\text{m}$
- Zero backlash
- Long life: up to 36 million meters
- Unlimited length, custom lengths and modular components available

Picture:

RPS roller pinion system from Nexen in corrosion-resistant stainless steel.

**Nexen at Hannover Messe 2017:**

Motion, Drive & Automation, 24 to 28 April 2017, Hannover, Germany: Hall 16 booth E17

About Nexen Group, Inc.:

Nexen Group, Inc. is a worldwide leader in power transmission, linear and rotary motion, and tension control components. Nexen holds 120 US and international patents. A privately held company, Nexen traces its origins back to 1902. For nearly 50 years, Nexen has been producing industrial brakes, clutches, torque limiters, overload protection devices and control systems for a variety of industrial applications ranging from packing equipment to sawmills and automobile conveyor systems. Their customers span every industry – from multi-national corporations to small businesses – and range from design engineers to plant maintenance. Headquartered in the USA and with the European office based in Wommel, Belgium, Nexen has more 40 sales offices and more than 1,500 distributor outlets worldwide.

Contact:

Nexen Europe Group bvba
Koningin Astridlaan 59 B12
1780 Wommel, Belgium
Phone: +32 2 461 02 60
Fax: +32 2 461 02 48
E-Mail: europa@nexengroup.com
Internet: www.nexengroup.com

PR Contact:

TPR International

Christiane Tupac-Yupanqui

PO Box 11 40

82133 Olching, Germany

Phone: +49 8142 44 82 301

E-Mail: c.tupac@tradepressrelations.comInternet: www.tradepressrelations.com

TPR International would be grateful for a copy of the publication with this article.