

NEW PRODUCTS – NEW PRODUCTS – NEW PRODUCTS

NEW NORELEM POSITING SYSTEMS OFFER ENHANCED PRECISION

Norelem, one of the leading supplier of standard components and systems, is launching five new families of positioning systems. The new range includes rotary tables, lifting tables, counter bearings, adapter plates and joint heads, comprehensively covering electrical and mechanical applications.

Marcus Schneck, CEO of norelem, said: "Our new suite of positioning systems are designed to deliver greater precision, reliability and versatility to engineers across a wide range of industries and applications."

The electrical positioning systems feature rotary tables offering accuracy down to 0.01mm. They are ideal for tasks such as high-precision positioning of components, sensors, grippers and stops. This makes them valuable components in handling systems, machine tools and measuring equipment.

They include the High-Load Coaxial Rotary Table (21085-02), which is driven by worm gears and can support forces of up to 12,000N. They feature cross-roller bearings capable of

withstanding high forces and are available in three gear ratios of 20:1, 40:1 and 48:1. They can be configured with or without motors and controls, offering greater customisation for specific applications.

This family is joined by the Belt-Driven Rotary Table (21085-10) series, which achieves rapid, dynamic rotation through its belt drive system. Its compact design and versatile mounting options make it an excellent choice for seamless integration into machinery, with a load capacity of up to 5,000N and a gear ratio of 2:1.

For mechanical positioning systems, norelem has introduced the Counter Bearings (21161-20) product suite. Designed to compensate for axial and angular misalignments, they complement the rotary tables by providing additional support for long assemblies that require rotational positioning. Their robust construction includes plastic seals that protect against contamination, ensuring durability even in demanding environments. The bearings also feature sliding surfaces coated with polytetrafluoroethylene (PTFE) for maintenance-free operation.

For additional flexibility, norelem is introducing its range of Adapter Plates (21161-30), which allow different positioning system sizes to connect seamlessly. These products enhance compatibility, enabling users to combine components such as compact and large positioning tables or rotary tables with varied drive mechanisms.

<https://norelem.co.uk/en/>



SENSOR TECHNOLOGY LTD LAUNCHES INNOVATIVE SGR570 TORQSENSE

New Product Line Delivers Accurate and Reliable Torque Measurement for Agriculture, Construction, and Industrial Applications.

Sensor Technology Ltd, a leading innovator in the field of torque transducers, is excited to announce the launch of its latest product line SGR570 TorqSense range. These advanced sensors are designed to provide precise and reliable torque measurements for Power Take-Off (PTO) systems, catering to a wide range of applications in agriculture, construction, and industrial machinery.

The new SGR570 TorqSense range PTO torque transducers are engineered to meet the growing demand for accurate performance data in heavy-duty equipment, where monitoring the power and torque delivered through PTO systems is essential for optimizing operational efficiency and equipment longevity. Built with cutting-edge technology, these transducers offer a robust, easy-to-install solution for manufacturers, operators, and maintenance teams seeking to enhance machine performance and reduce downtime.

- **High Accuracy:** Offering superior torque measurement accuracy, the transducers are ideal for applications requiring precise performance monitoring, enabling better decision-making and real-time adjustments.
- **Durable Design:** Engineered for harsh environments, the new transducers are housed in rugged, weather-resistant casings to withstand the demanding conditions found in agriculture and construction industries.
- **Seamless Integration:** The PTO torque transducers are designed for easy installation and integration with existing PTO systems, providing reliable and consistent data without the need for complex modifications.
- **Wireless Connectivity:** Options include wireless data transmission capabilities, allowing operators to monitor torque levels remotely via digital displays or mobile devices.
- **Cost-Effective Maintenance:** By providing accurate real-time torque measurements, the transducers help prevent equipment overload and mechanical failure, reducing maintenance costs and extending the life of machinery, offering the same output features as the SGR520 TorqSense range.

www.sensors.co.uk

GO GREEN WITH SAF PA12 RELIFE

In the world of additive manufacturing, sustainability and cost-efficiency are becoming increasingly important. Stratasy's has introduced a game-changing solution with its SAF PA12 ReLife product, designed to address the significant issue of waste powder in Powder Bed Fusion (PBF) operations, such as the H350. Its innovative approach not only reduces environmental impact but also offers substantial cost savings to users.

Offering cost-effective and industrial scale 3D printing, Selective Absorption Fusion (SAF) 3D printers use a counter-rotating roller to coat powder layers onto a print bed where high energy-absorption HAF fluid is selectively jetted to image the part layers. Industrial piezoelectric print heads jet single or multiple droplets of fluid according to the part requirement for fine detail or large areas. Using infrared energy radiated from an IR lamp, the imaged layers and underlying particles are fused across the span of the print-bed.

The market for the H350 with SAF PA12 ReLife is vast, with potential customers including large-scale 3D print service providers, automotive companies and large industrial and consumer companies. These organisations



generate significant amounts of PA12 waste annually and are seeking environmentally friendly and financially attractive solutions.

SAF PA12 ReLife is a pioneering solution that enables the reuse of waste PA12 powder on the H350 machine platform. This process involves refreshing used waste powder with virgin material, enabling the production of high-quality parts with minimal material costs. But the standout appeal of ReLife is that you can also use old powder on its own, or old powder several times and then add 'fresher' but used powder to it, and it still produces excellent parts.

<https://www.laserlines.co.uk/>