

JEFF STREU

EXHIBITOR AT



South Hall 3
Stand S81630

Wheel and winch drives

THE HIGHEST POWER DENSITY PLANETARY DRIVES ON THE MARKET WILL BE SHOWCASED AT CONEXPO IN LAS VEGAS THIS YEAR, WITH OPTIMIZED GEAR-FACE WIDTHS AND PLANET NUMBERS IN EACH STAGE

Comer Industries, a leader in power transmission systems for off-highway construction vehicles and stationary applications, will showcase its expanding line of planetary wheel/track drives and off-road axles at the ConExpo-Con/Agg show in March 2017.

On show

Comer Industries will exhibit the largest of its planetary drives, the PGR-25004 – an impressive dual-motor input drive with integral brakes that provide high input speeds and a maximum FEM (European Federation for Maintenance) torque of 210,000Nm. Another version of this large planetary being exhibited is the 300,000Nm PGA-25005 travel drive, which features a right angle input and integral brake. This drive is used in large track applications such as heavy lift cranes and mining machine applications.

The Comer Industries range of track/wheel drives has 11 base models covering a broad range of sizes. At ConExpo the company will exhibit three sizes: the PGR-802, PGR-4803 and PGR-22003.

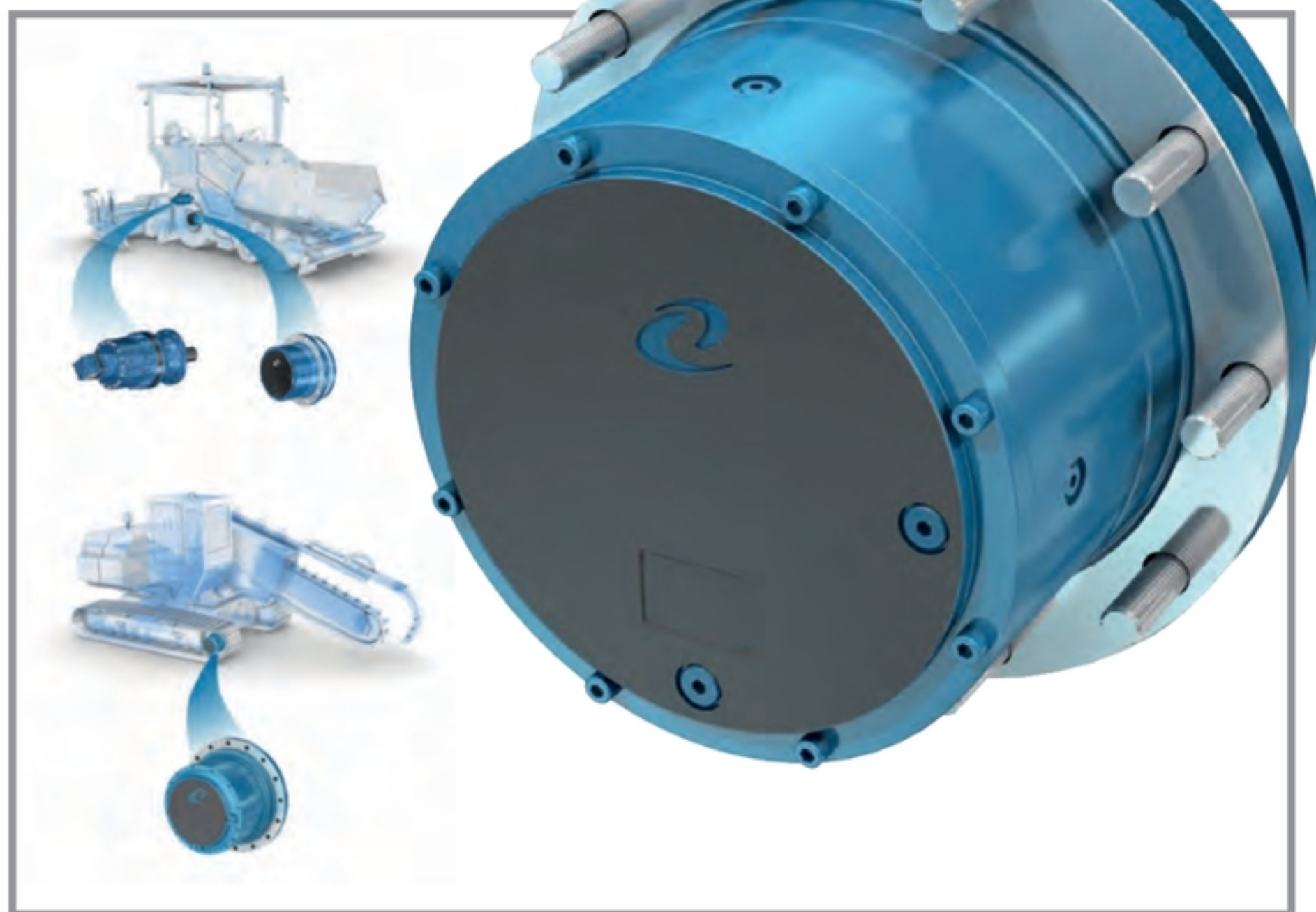
The PGR-802 is a preferred drive for small pavers and drill rigs and has torque capability of 10,000Nm. The PGR-4803, with a maximum torque of 48,000Nm, is considered to be part of the mid-range of the product line and is suitable for larger road construction equipment, trenchers and other tracked vehicles. As with other Comer Industries drives, both are available in two- or three-stage designs with ratios up to 181:1.

Delegates visiting Comer Industries' booth at the show will also see the PGR-22003 – the newest member to the company's line-up. It boasts a 220,000Nm maximum torque rating and is available in ratios up to 300:1.

In addition to the track/wheel/winch drives, two sizes of planetary slew drives will also be on show: the PG-702 and the larger PG-5003. There are already thousands of these two sizes of slew drives at work around the world on rough terrain, truck and lattice boom cranes, and they highlight another strong core competency for Comer Industries.

Standard features

Comer Industries planetary drives are offered as track, wheel and winch drives, which are



ABOVE: Comer Industries' PGR-4800 series wheel drive and main applications

differentiated by features that suit them to a particular application. They feature Duo-cone face seals for reliability, tapered roller bearings for easier maintenance, and optional negative brakes. Most drives are offered with an easy-access disconnect feature that allows the vehicle to be towed in the event of power loss.

In developing the design, the engineers at Comer Industries optimized the gear face widths and number of planets in each stage to ensure the highest power density planetary drives on the market. The use of hardened/ground gears and steel planet carrier pins provides higher load capacities and longer life. Each size was designed keeping standard SAE motor inputs in mind to accommodate each application and customer preference.

Axle exhibit

The S-258 and S-328 axles, as with all the Comer Industries range, are available in rigid or steerable

versions. The modular design of these axles, and the wide range of ratios and widths, provides application flexibility to accommodate almost any machine. Though well suited to telehandlers, these axles and the rest of the Comer Industries axle range are also in use worldwide on trenchers, mobile conveyors, tow tractors, compactors, dumpers, mining personnel carriers and agricultural machines.

An even larger axle, the series 358 with 15-ton capacity and 65,000Nm torque, is planned for release in 2017.

Headquartered in Reggio, Italy, Comer Industries is a global leader in the design and production of mechatronic solutions for power transmission in agricultural and industrial machinery. **ivT**

Jeff Streu is the product line manager for planetary drives at Comer Industries Inc., in Charlotte, North Carolina, USA



FREE READER INQUIRY SERVICE

To learn more about this advertiser, visit www.ukipme.com/info/ivm Ref: 536