

Motion Drive and Automation at Hannover 2013

Power transmission and control companies will be on-hand during Hannover Messe 2013 to display the latest technology offerings in key product categories including roller bearings, gear wheels, pumps, motors, transmissions, drive system components, clutches and braking systems. The Motion, Drive and Automation Fair, along with neighboring MobiliTec and Wind fairs, is designed to generate crossover visitor traffic which benefits both attendees and exhibitors.

“The positive feedback we’ve received from exhibitors and visitors alike and the excellent registration levels augur very well indeed for a strong Hannover Messe 2013,” said Dr. Jochen Köckler, a member of Deutsche Messe’s Managing Board. “Hannover Messe has shown time and again that it has the power and influence to kick off new trends and shape future developments.”

The MDA Forum, organized by the German Engineering Federation (VDMA), offers Motion, Drive and Automation presentations dedicated to the latest developments and worldwide trends. It also serves as a platform for exchanging ideas and networking. In 2013, the MDA Forum topics will include: energy efficiency in industrial processes, solutions for high-speed applications, automation technology, condition monitoring systems, total cost of ownership, life cycle cost and return on investment.

On the MDA Exhibition floor, the focus will be on product roll-outs and topical themes – for example, new developments in components and systems for automation technology, areas of application in wind energy (e.g. offshore farms), new trends in electric mobility, and much more. The lead theme of Hannover Messe (Integrated Industry) will be manifested in several areas of the MDA fair as indus-

trial automation and power transmission products steadily converge on the digital manufacturing floor. This trend is reflected in the fact that more and more suppliers of power transmission, linear motion and industrial gear systems are offering turnkey automation solutions.

Here’s a second round of key exhibitors that will be displaying products and technologies at the MDA Fair at Hannover Messe (April 8-12, 2013):

FCMD GmbH Hall 025, Stand A12

FCMD GmbH, a Groupe CIF company, will be presenting a full range of custom power transmission solutions for low speed, high torque process applications, including open gearing, speed reducers, couplings, and large reducer repair/refurbishment services. The company houses the largest open gear processing equipment possessed by Groupe CIF at its Hattingen (Germany) facility, including a 14 m diameter capacity gear cutter and a recently commissioned 16 m diameter capacity vertical boring and gear cutting machining center (capable of handling parts of 350-450 t). This facility

also maintains a dedicated bay for the servicing of large gearboxes.

Groupe CIF is one of the largest, privately-held industrial groups in Europe, comprised of five operating companies with manufacturing activities in seven separate facilities located in France and Germany. Led by FCMD GmbH’s sister companies, Ferry-Capitain and CMD, Groupe CIF serves customers in many industrial markets including mining, cement, steel, energy, offshore, environmental and aerospace. Principal activities are foundry (iron and steel), machining, fabrication, and the design and manufacturing of mechanical power transmission systems (www.fcmd-gmbh.de).

Gambini Meccanica/Gambini Deutschland Hall 24, Stand D29

Founded in 1978, the company specializes in the production of transmission gears. Gambini Meccanica offers helical racks, straight racks, helical gears, straight gears/pinions, splined shafts, pulleys, round racks and worm gears. Application sectors include construction and furniture, industrial automation and oil mills, food processing and farm machinery. The company



opened a German branch in February 2012: Gambini Deutschland GmbH located in Munich. The goal of this location was to come as close to customers as possible in order to improve the collaboration and the innovation of Gambini products and services. The company recently moved to a new factory in Pesaro, which presents a surface of 7,000 square meters with an advanced logistics system.

Maxon Motors **Hall 15, Stand D05**

Maxon Motor supplies high-precision drives and systems of up to 500 watts power output. The company develops and manufactures brushless and brushed DC motors with the unique ironless maxon winding, in addition to iron-cored brushless flat motors. Its modular product range is further complemented by planetary, spur and special gearheads, feedback devices and control electronics. The design and production of high-tech CIM and MIM components are achieved at a special competence center. Products at Hannover include direct current motors with ironless rotor and high performance permanent magnets, brushless DC motors with maximum service life and control electronics for DC and EC motors, positioning control units and speed control units (www.maxonmotor.com).

Moventas **Hall 25, Stand D23**

Moventas is an international manufacturer of mechanical power transmission solutions and develops, manufactures and distributes drives for industrial applications and wind turbines. Services turned to the entire life cycle complement the range of offerings. Moventas combines comprehensive competency, experiences of several decades and leading-edge technologies in the area of power transmission solutions derived from the corporate history. The former companies Santasalo, Valmet, Parkano Gears and Sauerwald make Moventas a preferred partner for demanding power transmission solutions. Products and services featured at Hannover 2013 include wind gears, factory service, field service, replacement gears and industrial gears (www.moventas.com).

NBC Bearings **Hall 24, Stand A28**

National Engineering Industries Ltd. was founded in the year 1946, under the name of "National Bearing Company Limited," NEI has since then grown in strength to emerge as one of the pioneer manufacturers and exporters of ball bearings, hub bearings, clutch release bearings, DRAC bearings, tapered roller bearings, cylindrical roller bearings and axle boxes for railway rolling stock including spherical roller bearings, cartridge tapered roller bearings and large special bear-

ings. The company manufactures 60 million bearings per year in more than 500 different sizes ranging from 6 mm bore to 1,300 mm outer diameter with a capacity up to 2,000 mm outer diameter (www.nbcbearings.in).

Wittenstein AG **Hall 15, Stand F08**

Innovations are driven by market and user needs. Noise reduction, energy efficiency and downsizing are the three main trends in drive technology. Wittenstein alpha has responded to this demand by displaying the third generation of the LP+ planetary gearhead series, which will be launched to coincide with the Hannover Fair. Additionally, the company will be showing a low-backlash planetary gearhead in hygienic design. The Wittenstein Group comprises seven business units including servo gearheads, servo drive systems, medical technology, miniature servo units, gearing technology, rotary and linear actuator systems as well as electronic and software components for drive technologies (www.wittenstein.de).

Danfoss **Hall 14, Stand H30**

Danfoss launched its first frequency converters in 1968 and since then has set milestone after milestone, culminating with its frequency converter platform, the VLT AutomationDrive FC 300. In addition to its VLT frequency converters for centralized and decentralized solutions, the current product range includes both soft starters and active and passive filters. The product portfolio is complemented by a comprehensive range of services — from individual drive components to the planning and supply of complete drive systems. When it comes to its consultancy work, Danfoss boasts more than 40 years of experience in the food and beverage, building automation, water/wastewater systems, conveyor technology, chemical and automotive industries. At Hannover, products on display will include the VLT Softstarter, VLT Aqua Drive, VLT HVAC Drive, VLT Low Harmonic Drive and VLT Automation Drive (www.danfoss.com).

