

# Motion, Drive and Automation at Hannover Messe 2013



Motion, Drive and Automation returns to Hannover Messe in 2013 (all photos courtesy of Deutsche Messe)

Power transmission and motion control companies will be on-hand during Hannover Messe 2013 to display the latest technology offerings in key product categories including roller bearings, gears, pumps, motors, transmissions, drive system components, clutches and braking systems. The Motion, Drive and Automation Fair, along with neighboring MobilTec and Wind fairs, will 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 industrial 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 quick look at some of the key exhibitors that will be displaying prod-

ucts and technologies at the MDA Fair at Hannover Messe (April 8–12, 2013):

## **Baldor Electric Germany**

**Hall 15, Stand F01/Hall 24, Stand D23**  
Baldor (a member of the ABB Group) offers industrial electric motors, mechanical power transmission products, drives and generator sets. The company sells to distributors and OEMs in more than 70 countries with products produced in the United States, Canada, England, Mexico and China. ABB has a full range of NEMA motors by Baldor. The ABB NEMA cast iron motor is a cost-efficient, high voltage induction motor that can be delivered within days of ordering. The motor is suitable for the serial OEM who requires a standard product, the electrical and mechanical properties of which do not need to be altered ([www.baldor.com](http://www.baldor.com)).

## **Rexnord Industries**

**Hall 14, Stand H56**

Rexnord (headquartered in Milwaukee, Wisconsin) is a worldwide industrial company comprised of two strategic platforms: Process & Motion Control and Water Management. The company designs, manufactures, markets and services highly engineered mechanical components used within complex systems where reliability requirements and the cost of failure or downtime are extremely high. Business units include power transmission, chains, couplings, bearings and gears ([www.rexnord.com](http://www.rexnord.com)).

## **SEW-Eurodrive**

**Hall 15, Stand F10/Open-air site (FG), Stand M11**

Product solutions and drive systems exist at SEW-Eurodrive with its universal concept of gearmotors, control systems, software, service and accessories. SEW gearmotors are developed and produced in-house with custom-

ized electronic solutions for optimum flow. This setup gives developers, designers and planners of systems and projects the drive solution from a single source ([www.seweurodrive.com](http://www.seweurodrive.com)).

### **R+W Antriebs-elemente**

**Hall 25, Stand C30**

R+W offers flexible shaft couplings, motor couplings and line shafts for any precision application: backlash-free torque limiters, torsionally rigid metal bellows couplings, vibration damping elastomer jaw-type couplings, compact miniature couplings, flexible servo couplings, axial zero backlash linear couplings and high quality line shafts. These couplings are wear- and maintenance-free and serve a variety of industries including machine construction, servo drives, medical, aerospace, marine, renewables, mining, pumps and compressors, transportation systems and steel ([www.rw-kupplungen.de](http://www.rw-kupplungen.de)).

### **Sumitomo Cyclo Drive**

**Hall 25, Stand B03**

Sumitomo Cyclo drives are unique to traditional gear mechanisms, since they operate only with rolling force and are not exposed to shear forces. By comparison to gears with contact loads, Cyclo drives are more resistant and can absorb extreme shock loads by means of uniform load distribution over the power transmitting components. Cyclo drives and Cyclo drive geared motors are characterized by their reliability, long service life and efficiency, even under difficult conditions ([www.sumitomodriveeurope.com](http://www.sumitomodriveeurope.com)).

### **Bosch Rexroth**

**Hall 23, Stand C19**

Bosch Rexroth AG offers premium drive and transport solutions that compete on an international scale for a wide variety of machines and systems. Virtually noise-free inverted tooth chains, also known as "silent chains," as well as the low-friction 2-pin, form the technological basis for this range. Rexroth offers high-performance, reliable chain drives. In the area of drive technology, these drives guarantee

high-precision functioning in diverse applications at speeds of up to 50 m/s ([www.boschrexroth.com](http://www.boschrexroth.com)).

### **WEG Electric Motors**

**Hall 15, Stand F11**

Designed for controlling squirrel cage three-phase induction motors, the new CFW700 is a general-purpose drive that gives customers the flexibility needed for the control of applications ranging from simple speed control to more demanding ones such as torque control. Since it is included on its control, the CFW700 features sensorless and closed-loop control as a standard feature (factory built). By using the internal micro PLC (SoftPLC factory built), more sophisticated applications like overhead cranes, PCPs (Progressive Cavity Pumps), pump jacks and many more can be implemented ([www.weg.net](http://www.weg.net)).

### **Dunkermotoren**

**Hall 15, Stand H39**

The Dunkermotoren BG range of brushless, direct current motors (EC motors) are notable for long life, high efficiency and a wide speed range. These electronically-commutated DC motors can be combined with control electronics, gearboxes, and encoders in a modular system to provide a flexible, adaptable, market-oriented so-

lution. Additionally, Dunkermotoren presents DC servomotors with Profibus DP Interface. The manufacturer of drive solutions is expanding its product range with the well-established Interface Profibus DP V1 ([www.dunkermotoren.com](http://www.dunkermotoren.com)).

### **SKF Group**

**Hall 22, Stand B12**

Developed for stop/start and other electrically driven systems, SKF Rotor Positioning Bearings feature a high-performance magnetic impulse ring clamped to a high-speed, high-temperature bearing. The bearings generate strong magnetic impulses related to rotor angular position. Thanks to their high magnetic field strength, the units offer robust performance under severe running conditions. Additional products at Hannover include engine seals, solar linear actuators, electric cylinders, deep groove ball bearings, roll line units and energy monitoring equipment ([www.skf.com](http://www.skf.com)).

For more information on the MDA fair or information on the 10 other leading trade fairs at Hannover Messe in 2013 including Industrial Automation, Energy, Wind, Mobilitec, Digital Factory, ComVac, Industrial Supply, Surface Technology, Industrial Green-Tec and Research and Technology, visit [www.hannovermesse.de](http://www.hannovermesse.de)

