

Industry Sector Drive Technologies Division

Nuremberg, April 19, 2010

New geared motors for conveyor systems

The Siemens Drive Technologies Division is supplementing its Motox geared motors with a new range of worm gears featuring high efficiency and an extensive transmission range; they are particularly suitable for conveyor systems. The single-stage worm geared motor of the S range is available in the three frame sizes S08, S18 and S28, in a torque range from 18 to 80 Newton meters (Nm) and in a power range from 0.12 to 0.75 kilowatts (kW) (4-pole).

Geared motors for conveyor systems have to be very flexible. The gear and motor components of the S range of Motox worm geared motors are therefore available in a versatile modular system. A design with dimensions to suit the market can be used for all mounting positions, which greatly simplifies commissioning. Installation on the machine can take shaft-mounted, foot-mounted or flange-mounted form. The input shaft is available either solid or hollow. The use of high-grade materials, such as a substantial nickel proportion in the bronze worm gears, allows high rated gear torques up to 80 Nm and high transmission ratios of up to 100 in a single stage. The worm shafts are also case-hardened and ground, which makes running quieter. A strong radial force is achieved by high-grade roller bearings and greater distances between bearings. The tooth root security of the Cavex concave-profile teeth allows high load peaks. The gears are maintenance-free due to lubrication-for-life with synthetic oil, as well as high-grade bearings and seals. The high efficiency and heat dissipation in the gear housing lead to a favorable heat balance and low surface temperature. The new S range can be easily incorporated in a system via Totally Integrated Automation (TIA), the open system architecture from Siemens.

You can find further information on the Internet at: www.siemens.com/motox

This press release is accompanied by a picture which can be found on the internet at www.siemens.com/ad-picture/2319

You can find the text on the internet at www.siemens.com/press/iadt/pressreleases



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The **Siemens Industry Sector** (Erlangen, Germany) is the worldwide leading supplier of environmentally friendly production, transportation, building and lighting technologies. With integrated automation technologies and comprehensive industry-specific solutions, Siemens increases the productivity, efficiency and flexibility of its customers in the fields of industry and infrastructure. The Sector consists of six divisions: Building Technologies, Drive Technologies, Industry Automation, Industry Solutions, Mobility and Osram. With around 207,000 employees worldwide (September 30), Siemens Industry achieved in fiscal year 2009 total sales of approximately €35 billion.

<http://www.siemens.com/industry>

The **Siemens Drive Technologies Division** (Nuremberg, Germany) is the world's leading supplier of products and services for production machinery and machine tools. This includes standard products but also encompasses industry-specific control and drive solutions. Integrated technologies along the entire drive train with electrical and mechanical components offer highest potential to reduce energy consumption in industrial plants. The services provided by the Division include mechatronics support in addition to online services for web-based fault management and preventive

maintenance. With around 36,000 employees worldwide (September 30), Siemens Drive Technologies achieved total sales of €7.5 billion in fiscal year 2009. www.siemens.com/drivetechologies