

### Industry Sector Drive Technologies Division

Nuremberg (Germany), August 26, 2009

#### **New High Inertia Servomotors**

**Siemens Drive Technologies is supplementing its 1FK7 range of servomotors with a new High Inertia version. The higher intrinsic inertia makes the control response of the 1FK7-HI motor extremely robust, so that it is particularly suitable for use in applications involving high and variable load inertia.**

At this year's EMO machine tool fair in Milan, Siemens Drive Technologies is showcasing its new High Inertia version of the 1FK7 servomotor for the first time. The motors are used on the feed axes and auxiliary axes of machine tools. The new 1FK7-HI High Inertia servomotor is characterized by its higher intrinsic moment of inertia. This makes the control response of the motors extremely robust and therefore especially suitable for applications with high and variable load inertia. Drive systems featuring the Sinumerik machine tool control system and motors from the 1FK7 series achieve very high contour precision without the need for time-consuming adaptation of the controller to the machine.

The self-cooled 1FK7-HI servomotors have been designed to be extremely resistant to vibrations and shocks and are available with torques of 3 Nm to 20 Nm. Like all motors of this design, they have an electronic nameplate and the version with the DRIVE-CLIQ serial drive bus is perfectly matched to the Sinamics S120 drive system. The SIZER tool is used for adapting and dimensioning the motors to match the respective application.

You can find further information on the Internet at: [www.siemens.com/motors](http://www.siemens.com/motors).

This press release is accompanied by a picture which can be found on the Internet at: [www.siemens.com/ad-picture/2010](http://www.siemens.com/ad-picture/2010).

You can find the text on the Internet at: [www.siemens.com/automation/presse](http://www.siemens.com/automation/presse)



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You can find this photo on the Internet at: [www.siemens.com/ad-picture/2010](http://www.siemens.com/ad-picture/2010)

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Please phone us if you require a copy of the photo. You can also receive Siemens Drive Technologies press releases electronically. Please send us an e-mail.

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The **Siemens Drive Technologies Division** (Nuremberg, Germany) is the world's leading supplier of products and services for production machinery and machine tools. Drive Technologies offers integrated technologies that cover the entire drive train with electrical and mechanical components. This includes standard products but also encompasses industry-specific control and drive solutions for metal forming, printing and electronic manufacturing as well as solutions for glass, wood, plastic, ceramic, textile and packaging equipment and crane systems. The services provided by the Division include mechatronics support in addition to online services for web-based fault management and preventive maintenance. With around 39,900 employees worldwide Siemens Drive Technologies achieved in fiscal 2008 total sales of EUR8.9 billion.