Press Release

EtherCAT products and solutions at SPS/IPC/DRIVES 2004

At this year's SPS/IPC/DRIVES in Nuremberg (Germany), ETG has its own stand and will present EtherCAT products from various manufacturers, as well as a concrete EtherCAT application. A total of 28 member companies will be present at the ETG stand and have announced associated products. Numerous EtherCAT implementations involve both the master side and the slave side:

EtherCAT Slaves:

Drive Technology:

- ACS-Tech80: "SPiiPlus CM" multi-axis drive controller
- ALSTOM Power Conversion: "ALSPA MP2000" frequency converter
- BAUMÜLLER (Nuremberg) GmbH: "b maXX" drive controller
- BECKHOFF: "AX2000" digital servo drive
- DANAHER Motion GmbH: "SERVOSTAR 300" and "SERVOSTAR 600" digital servo drives
- LUST Antriebstechnik GmbH: "CDE 3000" servo controller
- SERVO DYNAMICS, USA: "EC series" digital servo drives
- STÖBER Antriebstechnik GmbH & Co. KG: "POSIDRIVE MDS 5000" servo converter

Sensors:

- BALLUFF GmbH: "Micropulse" - contact-free, magnetostrictive, linear distance sensor
- FRABA Posital GmbH: "OPTOCODE EtherCAT" absolute shaft encoder
- FRITZ KÜBLER GmbH: absolute multi-turn shaft encoder
- IVO GmbH& Co.: "GxMMW" absolute multi-turn encoder
- MTS Sensor Technologie GmbH & Co. KG: "R-series" position sensor
- TR Electronic GmbH: "CEV 65 M ETC/LA 66K ETC" absolute encoder

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I/O-Systeme, Gateways, Interfaces:

- BECKHOFF: Ultra-fast "EtherCAT terminals" I/O system
- DEUTSCHMANN Automation: gateway for EtherCAT on RS232/485 "UNIGATE EtherCAT gateway"
- DLR e.V.: EtherCAT PMC slave plug-in card
- STEINHOFF Automation & Fieldbus-Systems: EtherCAT slave for "QNX Neutrino RTOS v.6.3", "NTEGRITY" or "RTAI Linux"
- UNIDOR GmbH: universal, ultra-fast "smartAMP II" measuring amplifier

EtherCAT Master:

- 3S-SMART SOFTWARE SOLUTIONS GmbH: master implementation in IEC-ST and integrated "CoDeSys 3.0" configuration tool
- BECK IPC GmbH: "IPC@CHIP" embedded controller
- BECKHOFF: "TwinCAT" PLC and motion control software
- DIGITRONIC Automatisierungsanlagen GmbH: "Cam Con DC 19-ECAT" cam controller
- KW-Software GmbH: runtime system for Soft PLC and "MULTIPROG" and "ProConOS" embedded controllers
- PROFIMATICS GmbH: EtherCAT real-time master software for x86 systems
- STEINHOFF Automation & Fieldbus-Systems: "DACHS" high-performance master software for "QNX Neutrino RTOS v.6.32, "INTEGRITY2" or "RTAI Linux"

EtherCAT components and tools:

- ALTERA GmbH/EBV Elektronik: ESC10, ESC20 EtherCAT slave controllers
- BECK IPC GmbH: "IPC@CHIP" embedded controller
- BECKHOFF: EtherCAT "EL98x0" evaluation kit
- HILSCHER GmbH: EtherCAT development board, based on "netX" network controller
- KOENIG Prozessautomatisierung GmbH: configuration tool for EtherCAT with E-CAD interface and "CONFIG-FB" online network analysis tool
- ST Microelectronics GmbH: EtherCAT evaluation platform (slave)

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− WEIDMÜLLER Interface GmbH & Co.: EtherCAT infrastructure such as outlets, cable connectors, plug connectors, couplings, connection boxes, cables, cable testers and tools

A roll feed from Schuler AG will be presented as an application example. The roll feed was specially developed for coil stock feeding in presses. The presses can be operated with cutting tools, follow-on composite tools or transfer tools. An Industrial PC is used for control tasks. The I/Os involving EtherCAT Terminals from Beckhoff and servo controllers and motors from Baumüller are connected via EtherCAT.

For further information see: **www.ethercat.org**

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