



# SPS IPC Drives 2014: New Automation Technology now across 1,500 m<sup>2</sup>

In time for the 25<sup>th</sup> anniversary of the Nuremberg automation trade show Beckhoff will be presenting itself with an extended booth. Now visitors can find the complete range of products and solutions for PC and EtherCAT-based control technology as well as innovations from all fields of technology across an area of 1,500 m<sup>2</sup>. The new products focus on the reduction of assembly and commissioning costs. With the new EtherCAT plug-in module system, for example, the wiring costs for standard machines can be significantly reduced.



## Universal multi-touch portfolio:

### From highly scalable computing power to customer-specific panels

The IPC presentation focuses on the ongoing extension of the multi-touch panel family. From a comprehensive range of standard variants users can select a device that is suitable for their specific application with regards to display size, scalable computing power and connection technology. The multi-touch portfolio has again been extended by new Panel PC series equipped with Intel® Atom™ multi-core processors available as built-in or compact versions, all with IP 65 protection. A variety of customer-specific panel executions demonstrate tailor-made solutions for individual machine control.

**EtherCAT plug-in modules:****The all-in-one I/O solution for series machines**

The new EtherCAT plug-in module system of the new EJ series reduces assembly and wiring costs and replaces inflexible black-box solutions common in series machines. The principle: the flexibly combinable I/O plug-in modules can be chosen from a wide range and integrated in an application-specific "distribution board". Prefabricated cable harnesses are used for connection to the machine or plant so that wiring errors will be minimised (see article starting on page 14).

**XTS:****New motor modules for highly flexible production processes**

With the introduction of the new motor modules with a radius of 22.5 degrees, the XTS eXtended Transport System has become even more flexible. Numerous application examples shown at our booth illustrate the broad range application possibilities: from Industry 4.0 concepts for a flexible and efficient production in lot size 1 through to the highly dynamic synchronisation of XTS and robot applications.

**TwinCAT 3:****The open automation platform**

In the Automation Forum, Beckhoff demonstrates how efficiently software engineering works with TwinCAT 3: from object-oriented programming to engineering in the cloud. The functional range of TwinCAT is extended by additional modules and features: New here, for example, is the implementation of more complex robotics applications, such as serial 6-axis kinematics. Solutions which are ready for Smart Metering, Big Data, measurement technology and Condition Monitoring demonstrate the universal application possibilities of the PC-based platform.

**Now also available in die-cast zinc housings:****IP 67 modules for all applications**

Suitable for every purpose: The portfolio of extremely compact and robust Beckhoff I/O modules ranges from the Fieldbus Box for all common bus systems up to the EtherCAT Box series. New here is the die-cast zinc box variant for heavy-duty applications.

**Main information at a glance:**

- SPS IPC Drives 2014, Nuremberg
- November 25 – 27, 2014
- opening hours:
  - Tuesday – Wednesday 9 am – 6 pm
  - Thursday 9 am – 5 pm
- Beckhoff main booth: Hall 7, Booth 406

**Beckhoff at partner booths:**

- EtherCAT Technology Group: Hall 2, Booth 338
- EPLAN: Hall 6, Booth 210
- OPC Foundation: Hall 7, Booth 180
- PROFIBUS Nutzerorganisation: Hall 2, Booth 220
- PLCopen: Hall 7, Booth 174

Further information:

[www.beckhoff.com/sps](http://www.beckhoff.com/sps)