At Automotive Testing Expo, Beckhoff will be presenting its highly precise, fast and robust measurement technology. The ideal integration of hardware and software modules provides for an end-to-end measurement chain: from I/O modules for the connection of all common sensors, the EtherCAT measurement fieldbus and various on-premises TwinCAT software modules to data processing in the cloud.

At Ligna, Beckhoff will demonstrate the many advantages of an integrated control system for woodworking machines: With PC-based control, machine builders benefit from an end-to-end tool chain for PLC, motion control, HMI, safety, image processing and IoT. This means that with the integrated hardware and software platform, all machine functions as well as upstream and downstream production processes can be connected. With TwinCAT IoT, standardised interfaces and support for protocols such as OPC UA, Beckhoff offers the ideal foundation for implementing IoT and Industrie 4.0 concepts.

With an extensive portfolio of high-end measurement modules in various performance classes, the EtherCAT measurement technology fieldbus and TwinCAT software modules, Beckhoff will present system-integrated measurement technology solutions for test benches and industry at Sensor + Test. Apart from the integration of vision systems, cloud connectivity and data analysis are also part of the overall control system: it allows for the centralised correlation of all acquired measurement data in networks or cloud systems.

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