

Beckhoff Automation Introduces TwinCAT® Robotic Control

New robotics software advances Scientific Automation: Robotics, Motion Control and PLC on one PC platform

MINNEAPOLIS, September 22, 2010 – In order to further integrate robot control into its dynamic PC-based software platform, Beckhoff Automation has released the new TwinCAT® Kinematic Transformation software. With this release, TwinCAT software now extends its standard machine sequencing and motion control capability to Delta- and SCARA-type robot mechanisms with a Kinematic Transformation option.

This eliminates the need for a dedicated robot controller, the associated software and handshaking routines in applications that require a robot to handle part loading/unloading tasks. Since the robot control is in the same controller, the robot movements can be tightly coordinated with non-robotic motion such as conveyors and other moving mechanisms. The PC-based control platform from Beckhoff unites PLC, Motion Control and robotics all on one multi-tasking hardware and software platform – an important milestone to achieving leading edge “**Scientific Automation.**”

Beckhoff's “TwinCAT Kinematic Transformation” software provides the user with a series of considerable advantages:

- eliminates the separate CPU required for robot control
- reduces engineering costs: configuration, parameterization and diagnostics
- Provides higher performance and accuracy because of direct interfaces; complex communication between separate CPUs is eliminated.

For more information:

www.beckhoff.com/TwinCAT

TwinCAT® is a trademark of Beckhoff Automation GmbH.

Beckhoff Automation provides advanced, open automation products based upon proven technologies so that customers can implement high performance control systems faster and at a lower overall cost than traditional PLC and motion control systems. Beckhoff's “New Automation Technology” product range includes PC based control, industrial PCs, automation controllers, operator interface, I/O, servo drives and motors. With representation in more than 60 countries, Beckhoff is well positioned to provide global

sales and service to its customers. Sales and service are handled directly, with no intermediaries involved to provide faster response and improved communications.

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Please send readers' questions regarding "TwinCAT Kinematic Transformation" to:

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Link to high res images of product:

ftp://ftp.beckhoff.com/press/2009/pictures/pr162009_Beckhoff.zip