Media Contact:
Shane Novacek
Beckhoff Automation
Phone: 952-808-6515
s.novacek@beckhoff.com
LinkedIN | Twitter: @BeckhoffUSA

Note to editors: Link to high res photo and picture caption follow news release text.

XPlanar's Software-based Rotation Increases Freedom of Movement in Flying Motion

Revolutionary Beckhoff technology can now spin movers 360 degrees without special hardware, extending the range of intelligent and contact-free product transport applications

SAVAGE, Minnesota, April 29, 2021 – The highly adaptive XPlanar system from Beckhoff now boasts software-based 360-degree mover rotation functionality in addition to other new impressive capabilities. XPlanar enables the contactless, parallel and individual transport of products, with movers flying freely in two dimensions over the XPlanar tiles and executing lifting movements with a stroke of up to 5 mm.

The purely software-based 360-degree mover rotation extends the familiar and highly flexible XPlanar movement range by a full degree of freedom. The XPlanar movers can rotate endlessly around their own axis while levitating at selected positions on the system. The rotation can be executed dynamically with a frequency of up to 10 Hz.

This new XPlanar capability makes a variety of groundbreaking adaptive manufacturing applications possible. For instance, mixing liquids or 360-degree inspection of objects is possible with this additional degree of freedom. Furthermore, the movers can leave the rotation positions with an orientation changed in 90-degree steps, so that the transported workpieces are correctly aligned in accordance with the remaining processing steps.

The 360-degree mover rotation is made possible due to in-house development and the deep integration of the XPlanar system into the PC-based control technology from Beckhoff. A simple update to standard

TwinCAT software is all that is needed to implement this powerful new rotation function in existing systems. Special hardware products are not required.

XPlanar

Link to high res image:

https://download.beckhoff.com/download/press/2021/NorthAmerica/Beckhoff_XPlanar_Mover_Rotation.zip

Press picture:

Picture caption:

The XPlanar movers from Beckhoff can now rotate 360 degrees around their own axis and can move onward after re-orientation in 90-degree steps.

Beckhoff Automation is a provider of advanced and open automation solutions based upon proven technologies for customers to 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 interfaces, 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. Beckhoff sales and service are handled directly, with no intermediaries involved for exceptional customer service and consultation.

# # #

Send questions regarding "XPlanar 360-degree rotation" to:

Beckhoff Automation LLC
13130 Dakota Ave
Savage, MN 55378
Toll-free: 1-877-TwinCAT
Local: 952-890-0000

Fax: 952-890-2888
Email: beckhoff.usa@beckhoff.com
www.beckhoff.com
LinkedIN | Twitter: @BeckhoffUSA

Unsubscribe from Beckhoff News