Press Release

TOX-Powerpackage and TOX-ElectricDrive:

Optimized drives for battery production

The fact that TOX PRESSOTECHNIK is able to build its pneumohydraulic drives for battery production in an optimized way was proven by the German company last year. The company is now applying this know-how to its electromechanical drive TOX-ElectricDrive and is thus able to always provide users with the right concept for their tasks.

Drives to be used in battery production must meet special requirements. All components such as bearings or guides which can show wear must be designed to prevent short circuits. They should also prevent conductive or interfering particles from getting into the production process. This is the only way to ensure the high quality of the battery cell.

TOX PRESSOTECHNIK GmbH & Co. KG from Weingarten was able to gain the required know-how for this task during a large order for the Korean chemical group LG Chem. TOX PRESSOTECHNIK delivered 333 customized TOX-Powerpackages optimized for battery cell production. For these drives, some attachment parts and components were designed almost completely without copper, nickel and zinc, some entirely without. The company produced more parts according to specifications in stainless steel. Amongst others, the pneumohydraulic drives are used for the pressing of film onto the battery cell without the formation of bubbles.

The experience gained here by TOX PRESSOTECHNIK is now also being applied to its electromechanical drives TOX-ElectricDrive. They can be precisely tailored to customer requirements and their execution optimized for battery production. "This makes us the only drive manufacturer who can offer both drive technologies at the highest level for battery production", says Frank Ortmann, Business Development Manager at TOX PRESSOTECHNIK. "We can always provide customers with the optimum drive concept for the respective application - and at the usual high quality."

The proven pneumohydraulic TOX-Powerpackages and electromechanical TOX-ElectricDrives are available in different designs and with comprehensive accessories. They can be installed in any position and usually do not require external tool guidance. "With the two drive systems, we serve the whole force range from 0.02 to 2,000 kilonewton", says Ortmann. The sturdy pneumohydraulic drives can be optionally equipped with a process monitor, the

electromechanical variant already has integrated process monitoring. "This means the user always has full control of the pressing process and quality of his product", the Business Development Manager promises.

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Captions:

Image: TOX PRESSOTECHNIK can optimize execution of its drives TOX-Powerpackage and TOX-ElectricDrive for battery cell production.

Image: TOX PRESSOTECHNIK GmbH & Co. KG

The high-resolution images can be downloaded here.