

Big ideas in motion and control from Lenze at IntraLogisteX

Lenze is bringing a boxful of Big Ideas to IntraLogisteX 2018. The company will showcase a range of innovative drive and motion products, along with advanced software and service solutions designed to accelerate and simplify the specification, design and support of automated handling and storage systems.

On show will be [Lenze's](#) i500 range of frequency inverters, which make commissioning and diagnostics faster through flexible communication options. Engineers can set parameters and access data through a channel that is easy for their installation. The simplest option is through a plug-in keypad which has a easy to understand phone-style file structure.

For a more remote data transfer using free of charge software and standard or real-time buses, a USB connection is provided. Where commissioning the inverters is best done at a distance from the control cabinet, a WLAN module is available for wireless access using an Android smartphone and a free app. Thus the i500 inverters can be easily checked and adjusted to conveyor performance requirements, saving time on site.

To make life easier for system design engineers, Lenze has also used its deep experience of pallet conveyor systems to create a new approach for drive system selection. Lenze Smart Products include 14 geared motor drives that have been preconfigured to suit practically all chain and roller conveyors that carry pallets. With a simple on-line specification tool, designers need only choose between a chain or roller conveyor, an inline or right-angle gearbox, and the payload (from 500 to 5200kg). The system generates instantly downloadable technical data, macros and CAD drawings, allowing the chosen option to be rapidly integrated into a conveyor system design.

Smart Products are just one of a suite of Lenze solutions and services developed to support designers and operators of conveyors, storage systems and packaging machinery. The company's DSD Drive Solution Designer, for example, is a powerful dimensioning tool that can be used to optimise the size and configuration of geared motors, like those used in automated storage and retrieval units. The system can predict the energy consumption of a complete system in operation, allowing motion profiles to be adjusted to achieve maximum efficiency. And once systems are in the field, Lenze's support continues with a 24/7 technical helpline and comprehensive optional training and support packages. For machine designers and systems integrators, in-service monitoring and support is becoming an increasingly important part of the offering to customers. At IntraLogisteX, Lenze will also be explaining the benefits of its partnership with Internet of Things (IoT) specialist ei3 Corporation. The secure, powerful and easy-to-use on-line platform established through this partnership makes it easy for users to access the data collected by Lenze drives and motion components, then use that data to optimise the performance, efficiency and reliability of their machines.

Lenze will be exhibiting its Big Ideas and leading solutions on Stand 130 at IntraLogisteX 2018. The show takes place at the Ricoh Arena, Coventry, on 27 and 28 February 2018.

About Lenze UK

Lenze is a globally active solutions provider of motion centric automation, offering a comprehensive portfolio of products and services: offering everything from controllers to electric drives and electromechanical applications, plus engineering services and tools.

Lenze's experts work together with the customer, designing integrated drive and automation solutions that simplify the realisation, production and servicing of machines. Lenze is one of the few suppliers in the market who support the machine builder in all phases of the machine-building process.

Employing around 3,300 people worldwide, Lenze is represented in 60 countries by its own sales companies, development sites and production plants, backed by a network of service partners. The main headquarters are in Germany, with a large research and development division, two production sites and a logistics centre that supplies customers in north eastern Europe. Customers are supported by an international network of sales and application engineers.

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