

**Lenze SAS**Corporate Communication  
Relations Publiques

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# Press Release

## Lenze launches the i950, an intelligent servo drive for efficient and flexible production processes.

**Roissy, October 15<sup>th</sup> 2018** – Lenze, a specialist in motion centric automation, presents its new i950 servo inverter as an intelligent drive solution at all4pack.

Lenze is innovating with a scalable drive solution for production machines and intralogistics systems. Easy to configure, this solution combines an i950 servo inverter, an m850 synchronous motor and a g700 planetary gearbox to reduce production costs, even for unit batches.

Due to ever-increasing demands for flexibility and automation in production processes, the number of axes to be controlled and synchronized continues to increase. But this does not necessarily have to lead to greater complexity and less user-friendliness. Lenze, a machine automation specialist, has developed a solution for positioning tasks, assembly and handling applications, robotics, packaging machines and conveyor drives. Easy to implement, this solution provides the necessary flexibility and improves the efficiency of production processes.

At the heart of the solution is the intelligent i950 servo inverter. Its very high computing power and the integrated EtherCAT port allow several axes to be controlled synchronously at high speed, making it possible to perform complex tasks. The i950 is the ideal solution for any operational scenario thanks to its three different operating modes. It can be programmed directly or used as a basic drive via a CiA402 motion control. But the most commonly used operating mode will certainly be the use of FAST modules.

These technology modules include a wide range of functions that the machine manufacturer no longer has to develop himself. All he has to do is adjust a few parameters. The Easy Starter commissioning tool allows it to do so thanks to a graphical and intuitive interface. This makes the system user-friendly and avoids involving engineers in each phase of the project. "Technicians with basic training can easily ensure commissioning," says Christian Bergner, product manager for servo inverters and servomotors.

The machine manufacturer can add its own FAST modules or adapt existing modules to the needs of its customers using IEC 61131-3 in its own Lenze programming environment with PLC Designer. The servo inverter can also be programmed directly. This flexibility of the i950 servo inverter allows the development of modular manufacturing concepts and the reuse of programs, including between new Lenze servo units and Lenze controllers. In addition, the i950's communication mechanisms form the basis for intelligent applications such as Lenze asset management.

The m850 synchronous motor is the second component in the Lenze range for this operational solution. It is distinguished by a favorable ratio between its inertia and that one of the mass of the load, which makes it very quiet. The m850 is dynamic enough to meet medium to high requirements. The standard version is equipped with robust resolvers. Sin/cos multi-turn encoders can be used as an option when greater accuracy is required. This range of servomotors is available for power ratings from 2.0 kW to 9.2 kW.

The g700 planetary gearbox is adapted to the motor characteristics and meets the average performance requirements of applications in terms of stiffness and high dynamics. 14 versions are available: in 1, 2 or 3 stages in five sizes and with reduction ratio ranges from 3 to 8 and from 6 to 512. Christian Bergner is confident: "Our intelligent servo drive meets the requirements of machines, electronics and digitisation at the same time. »

**Would you like to know more about it?**

**Come and discuss it from November 26 to 29 at all4pack,  
on our stand S 117 in hall 6**

Or contact us at 01 49 90 12 12 or via email [sales.fr@lenze.com](mailto:sales.fr@lenze.com)

## Illustration

We welcome any free publication of this content.



**Legend:** i950 servo inverters are available from 0.55 to 110 kW.

(Photo Lenze)

## À propos de Lenze

Présent à l'échelle mondiale, Lenze, expert en automatisation centrée sur le mouvement (motion centric automation) offre une gamme complète de produits et de services : analyses de données, commande, visualisation, entraînements électriques et électromécanique, logiciels et services, le tout d'une seule et même source. En collaboration avec le client, les experts Lenze mettent au point des solutions d'entraînement et d'automatisation homogènes qui facilitent la réalisation, la production et la maintenance des machines. Lenze est l'un des rares fournisseurs du marché à soutenir les constructeurs tout au long du processus de développement des machines.

En France, la filiale de Lenze SE a plus de 40 ans d'expérience avec son siège commercial basé à Roissy-en-France, un site de fabrication et une plateforme logistique implantés à Ruitz près de Béthune. Plus de 150 personnes sont au service des clients dont des ingénieurs commerciaux et des ingénieurs application présents dans chaque région.

**Des informations complémentaires sont disponibles en suivant ces liens :**

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