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Digital Enterprise Virtual Experience at Hannover Messe 2021

New motors extend the application range of the Sinamics S210 servo drive system

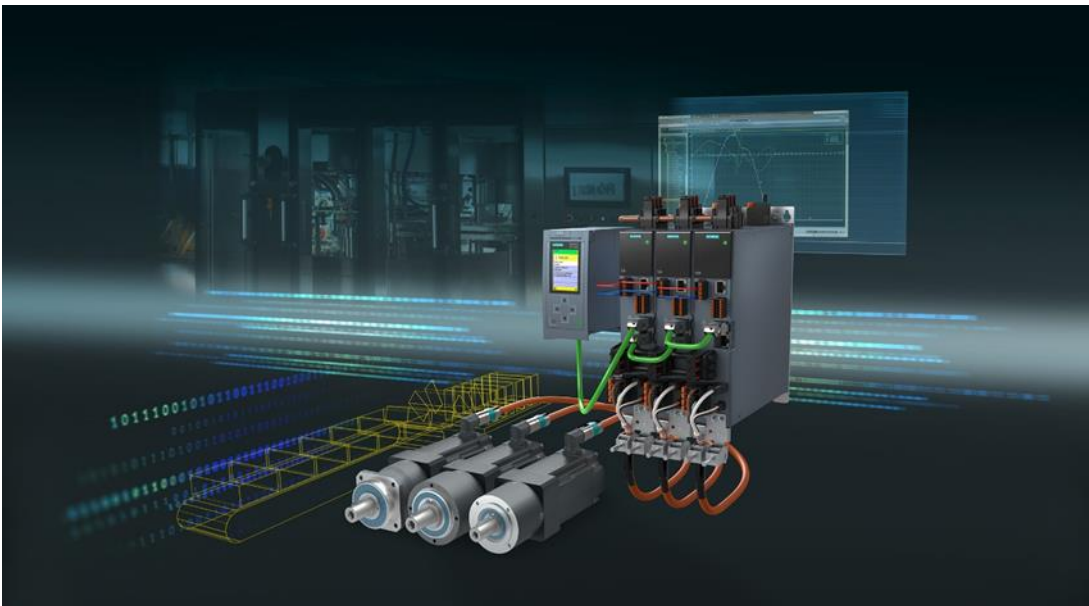
- **Simotics S-1FS2 in stainless steel housing with specific features for use in the pharmaceutical and F&B industries**
- **Servo planetary gearmotors Simotics S-1FK2 for optimum adjustment of speed, torque, and mass inertia**
- **Simotics S-1FT2 in protection class IP67 with 26 bit encoder, higher rated speed and other selectable features**

Siemens is adding new servo motors to its proven Sinamics S210 single-cable servo drive system, thereby expanding its range of applications. Specifically, for use in the pharmaceutical and food industries, the company is launching the Simotics S-1FS2, a motor version with a stainless-steel housing, the highest degree of protection IP67/IP69, and high-resolution 22-bit absolute multiturn encoders. The servo motor thus meets all hygienic conditions and can be used for mixing and stirring, air conditioning and ventilating, dosing and filling, as well as conveying, packaging and storing a wide variety of end products in the food and beverage sector and in the pharmaceutical industry.

The new Simotics S-1FK2 servo planetary gearmotors also complement the Sinamics S210 drive system. They are used when high cycle rates need to be achieved with a lightweight and low-inertia gear design, or when inertia matching is required to move heavy loads precisely. The motors are ready mounted and as a unit available in a wide range of gear ratios and sizes, allowing them to be optimally adapted to different applications. Thermal dimensioning is done via the digital twin in the TIA (Totally Integrated Automation) Selection Tool.

With the new Simotics S-1FT2, Siemens is launching a servo motor that offers a wide range of different options for the Sinamics S210 servo drive system. For example, encoders with a resolution of up to 26 bits improve system accuracy, and the high IP67 protection rating and various motor coatings make the solution suitable for use in harsher environments. In addition, new machine options, such as higher rated speeds, are available for extended use.

The Sinamics S210 servo drive system consists of a servo converter and servo motor. All motors of the servo system are connected via a single cable that combines power wires, encoder signal and brake in one line. The range of applications includes highly dynamic servo solutions such as those found in handling systems, packaging machines and machine building applications. To meet the high demands on motion control functionality in these applications, for example dynamic positioning, gear synchronization or cams with multiple axes, the system works perfectly with the Simatic S7-1500 controller via Profinet IRT.



The new Simotics S-1FK2 servo planetary gearmotors complement the Sinamics S210 servo drive system.

This press release and a photo are available at <https://sie.ag/3mtJRCE>

For further information regarding the Siemens Digital Enterprise Virtual Experience at Hannover Messe 2021 please see www.siemens.com/press/hm21

For further information regarding Sinamics S210 please see

www.siemens.com/sinamics-s210

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