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SPS IPC Drives 2018, Hall 11

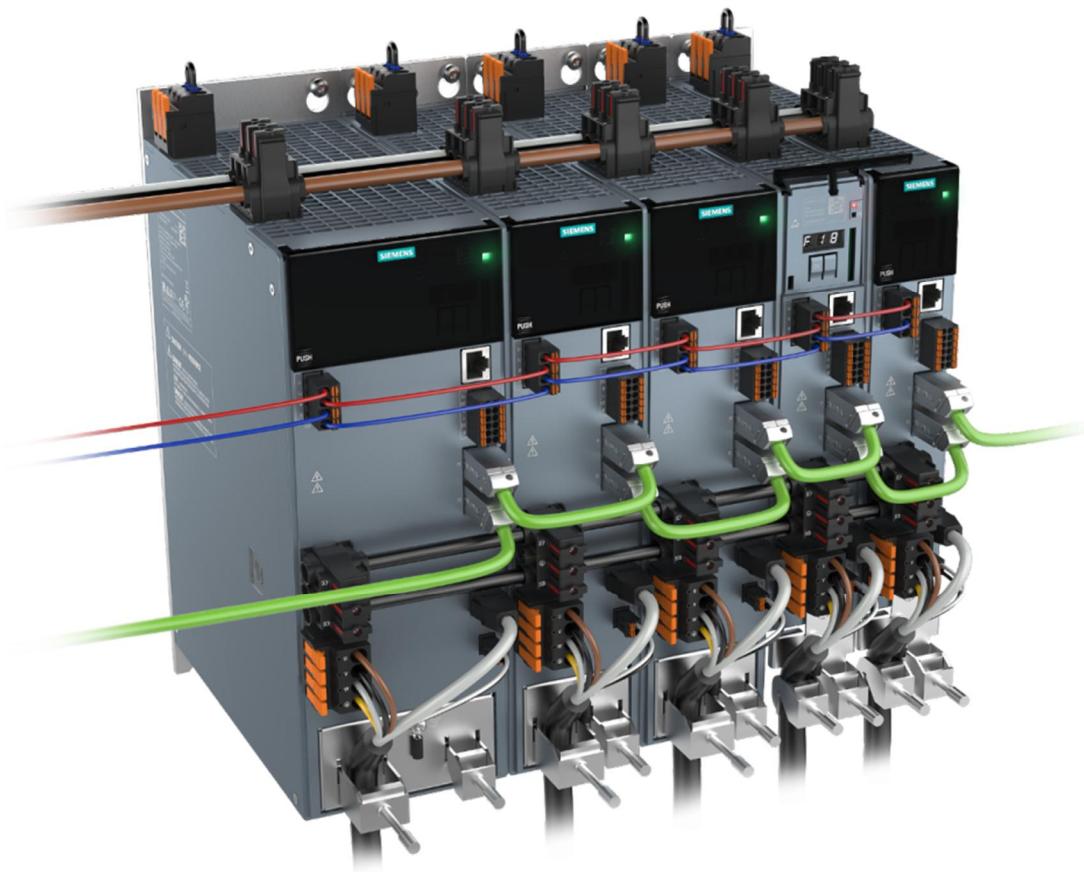
## Extended output and connected voltage variants for Sinamics S210

- **First new frame size in 0.4 to one kilowatt output range**
- **New shared DC link coupling reduces waste heat during braking and increases traversing cycle of individual axes**
- **Higher-level control now possible with Simatic ET 200SP CPUs and Open Controllers or Simatic S7-1500 Software Controllers**
- **Engineering and commissioning using Sizer and Start Drive, engineering in TIA Portal V15.1**

Siemens is extending its Sinamics S210 single-axis servo drive system for mid-range applications to include a number of additional output and connected voltage variants. In the first of the new frame sizes, the system is available with an output of 0.4 to one kilowatt with 3 AC 400 volts. The new Sinamics S210 device variants come with an optional busbar trunking system and a shared DC link coupling to enable their international application. The DC link coupling permits energy equalization during dynamic reversing operations by using the integrated braking resistor to reduce waste heat occurring during braking and increasing the traversing cycle of the individual axes. Alongside S7-1500 Advanced Controllers, higher-level control of the new devices is also possible using Simatic ET 200SP CPUs (Central Processing Units) and Open Controllers or Simatic S7-1500 Software Controllers, all of which are connected over time-synchronized Profinet IRT. The drive system can be simply engineered and commissioned using the integrated web server. Alternatively, engineering can now also be performed using Startdrive in the TIA (Totally Integrated Automation) Portal from Version V15.1.

The output spectrum of the Sinamics S210 devices is due to be supplemented by a number of new variants covering a range from 0.4 to seven kilowatts, alongside the

matching Simotics S-1FK2 servomotors with shaft heights up to 100 millimeters. With an optional license, additional safety functions can be activated to supplement the standard safety package. Introduction of the new safety functions increases the resolution of the encoders installed in the Simotics motors to 22 bits. Depending on requirements, the servomotors come in a compact or highly dynamic version. In conjunction with the rapid sampling and control algorithms of the Sinamics S210, a high-grade feedback system and the combination of low rotor inertia and high overload capability, the servo motors achieve outstanding dynamic performance and precision. This makes them particularly suited to use in applications such as packaging machinery, handling, wood and ceramic processing as well as digital printing.



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This press release and press pictures are available at

[www.siemens.com/press/PR2018110038DFEN](http://www.siemens.com/press/PR2018110038DFEN)

Additional information on the subject of Sinamics S210 is available at

[www.siemens.com/sinamics-S210](http://www.siemens.com/sinamics-S210)

Additional information on Siemens at the SPS IPC Drives 2018 is available at

[www.siemens.com/spc-ipc-drives](http://www.siemens.com/spc-ipc-drives) and [www.siemens.com/press/spc2018](http://www.siemens.com/press/spc2018)

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