

SPS IPC Drives 2018, Hall 11

## New version (3.0) of Safety Library improves storage and retrieval system performance

- **New Safety Library (3.0) for faster commissioning and compatibility with a wider range of Simatic-S7 controllers**
- **Advanced Position Control (APC) function for faster positioning**
- **New Simotics S-1FG1 servo-gearred motors in upper and lower output range**
- **Cut in energy costs by optimized motion control**

Siemens has upgraded its TÜV-certified Safety Library developed specifically for use with storage and retrieval systems. The benefits of Safety Library V3.0 for users include faster commissioning and compatibility with a wider range of failsafe Simatic controllers (from S7-1516F). Boosting the speed of storage cycles are two functions: Vibx (Vibration Extinction) and the more advanced new function Advanced Position Control (APC). APC also requires no additional sensors or actuators, and ensures the permanent prevention of most vibrations. APC even kicks in under continuously changing vibration conditions, caused for instance by different loading conditions or variable disturbance factors such as wind. Supplementing this function are new additions to the Simotics S-1FG1 portfolio. In the upper output range, external fans now permit highly dynamic traversing processes, allowing a significantly more dynamic configuration of traversing motors. A new Simatic module for energy-optimized traversing enables energy savings despite the improved dynamic performance.

At the lower end of the servo geared motor output range, the two-stage helical bevel gears of the B19 series are now available in a direct-mount version. This new feature enables a greater number of telescopic drives to be fitted with Simotics servo geared motors.



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This press release and press pictures are available at

[www.siemens.com/press/PR2018110039DFEN](http://www.siemens.com/press/PR2018110039DFEN)

More information on Safety Library V3.0 and Advanced Position Control is available at [www.siemens.com/conveyor-technology-asmr](http://www.siemens.com/conveyor-technology-asmr)

More information on Siemens at the SPS IPC Drives 2018 is available at [www.siemens.com/sps-ipc-drives](http://www.siemens.com/sps-ipc-drives) and [www.siemens.com/press/sps2018](http://www.siemens.com/press/sps2018)

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