

## Motor Control news from STMicroelectronics

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### [Get started with high-performance 3-phase BLDC motor control up to 45 V](#)

The STEVAL-SPIN3201 evaluation board lets you explore the new STSPIN32F0 SiP for intelligent motor control in smart industry and high-end consumer applications such as fans, drones and power tools. The device combines an STM32F0 MCU and an advanced 3-phase BLDC driver in a tiny 7 x 7mm QFN package, significantly simplifying design challenges leveraging on the extensive STM32 development ecosystem with software tools, firmware libraries and middleware in addition to popular motion-control algorithms. [Read more](#)



### [New STM32 PMSM FOC SDK version offers even more features for developers](#)

Release 4.3 of the STM32 PMSM FOC SDK (STSW-STM32100) offers a new Motor Profiler with improved Plug-and-Spin capability. In addition to a 3-shunt current sensing algorithm for STM32F0 devices, enhanced digital power factor correction and free RTOS support for STM32 F3 and F4 series, this update extends support for STM32F07x and STM32F446x MCUs. New features include support for the AC6 System Workbench (SW4STM32) and a new Motor Control Nucleo Pack (P-NUCLEO-IHM002) that features an external power supply. [Read more](#)



### [New 40A high-temp SCRs enhance reliability in motorcycles and industrial applications](#)

Addressing a wide range of industrial as well as 2- and 3-wheel vehicle applications, ST's new TN4015H series of 40 A high-temperature SCRs are particularly well suited to voltage regulators, AC-DC rectifier bridges, and SSRs in markets where high reliability is a key requirement. While more gate-sensitive compared with previous generations, these SCRs deliver best-in-class electrical noise immunity and further ensure the reliability of the end products. [Read more](#)



## Recent blog posts

### [How to get started driving BLDC motors](#)

This blog post shows how easy it is to use the STM32 Open Development Environment with a new X-NUCLEO expansion board to get a BLDC motor spinning in only a few minutes. [Read more](#)



### [Motor control that won't make you spin](#)

This blog post examines ST's latest brushless DC motor driver and controller that integrates an STM32F0 32-bit MCU capable of running proven control algorithms. It also integrates the drivers to directly drive the external MOSFET 3-phase bridge. All this in a tiny 7 x 7 mm QFN package. [Read more](#)



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