

ST Motor Control

Additional ST resources for Motor Control



Additional ST resources for MC

Motor Control on www.st.com

- www.st.com/en/applications/motor-control.html

Home > Motor Control

Motor Control

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OVERVIEW RESOURCES

Motor Control See all

- Brushed Motors +
- Induction Motors +
- PMSM/BLDC motors +
- Stepper Motors +
- Switched reluctance motors +

In line with the environmental revolution, electric motor control is moving very quickly in the direction of higher efficiency for motors and drives. Moreover, an increased level of integration at the lowest cost is required to support market penetration of new technologies, as well as increased safety and reliability. Committed to electric motor control for more than 20 years, ST was among the first to recognize these trends.

ST is riding the winds of change with innovations in integrated intelligent power modules and systems-in-package, monolithic motor drivers, fast and efficient power switches, voltage-transient protected Triacs, and powerful and secure microcontrollers. Whichever motor technology you use, from traditional and rugged to the most modern and efficient, ST is able to supply the right electronic devices and a complete ecosystem with a range of evaluation boards, reference designs, firmware and development tools to simplify and accelerate design cycles.

- www.st.com/content/st_com/en/support/learning/stm32-education.html

- Online training**
Specific modules focused on teaching the skills and knowledge to get the best performance from our MCUs in your applications. Available courses :
 - STM32F7 Online Training
 - STM32L4 Online Training
 - STM32L4+ Online Training
- MOOC**
Massive Open Online Courses
Register on our MOOC platform and follow one of our high quality online courses. Available courses :
 - STM32 F7 Hands-on workshop
 - STM32CubeMX & STM32CubeHAL basics
 - Discover the STM32F0LD Developers package
- STM32 Community**
Join the ST community of developers, makers, schools, universities, customers, partners, ST employees and all STM32 enthusiasts to ask question, find answers, collaborate, connect, communicate, learn and share your project on STM32 MCUs.
- Videos**
Browse our media library selection of videos on our STM32 platform.
- Textbooks**
Browse our selection of ST recommended textbooks for microcontrollers. Submit your publication and be part of the selection.
- ST training courses**
Our teams of training experts provide free multiday courses for our microcontroller products at locations across continental Europe. Look at the program.
- Partner training courses**
Check our list of partners providing quality courses completing ST's training portfolio.
- STM32 for Motor Control**
STM32 & STM8 Motor Control ecosystem overview. By motor type: SW Tools, FW library, HW boards, Application Notes, Getting Started, Videos, Forum...



Additional ST resources for MC

Motor Control **webinar** and other **videos**

- 1-hour webinar introducing the new STM32 Motor Control SDK v5.x
 - [Link](#)
- MOOC <https://st-mooc.udemy.com/> dedicated to Motor Control
 - Basics of BLDC motors and basics of FOC driving method
 - Tip&tricks driving BLDC motors
 - Right ST products selection guide
- Other videos www.st.com/content/st_com/en/support/learning/video-page.html





Additional ST resources for MC

Motor Control **full training**

- 3 days very detailed f2f session dedicated Motor Control
- Scheduled regularly in different cities around EMEA
- More details @ www.st.com/content/st_com/en/support/learning/mcu-training-courses.html

Agenda:

- BLDC/PMSM motors basics
- FOC drive theory
- STM32 general overview
- STM32 FOC implementation
- STM32 FOC library
- Motor Profiler, HFI, OTF
- Tools, Starter kit, GUI
- Hands-on sessions





Additional ST resources for MC

Motor Control **community** blog

- ST Blogs
 - <https://blog.st.com/tag/motor-control/>



2 Features of Our New Motor Control SDK that Will Blow Your Mind

March 21, 2018

X-CUBE-MCSDK is our new STM32 Motor Control SDK with firmware (FW) libraries and a Graphical User Interface (GUI) for configuration. Designed for Permanent Magnet Synchronous Motors (PMSM) using FOC...

[CONTINUE READING >](#)



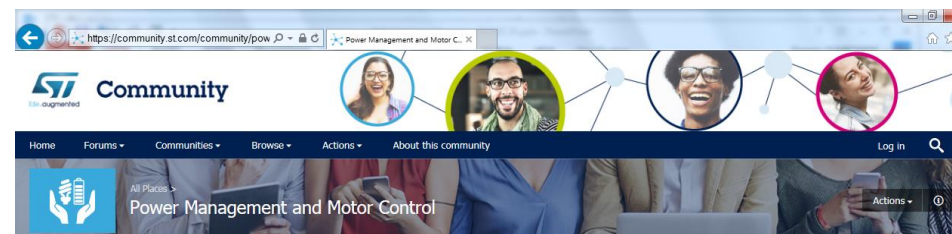
Motor Control That Won't Make You Spin

November 9, 2016

If you design for Industry 4.0 and other high-end consumer electronics systems, the just-announced STSPIN32F0 motor control system-in-package may be for you. Combining a microcontroller and an analog IC in...

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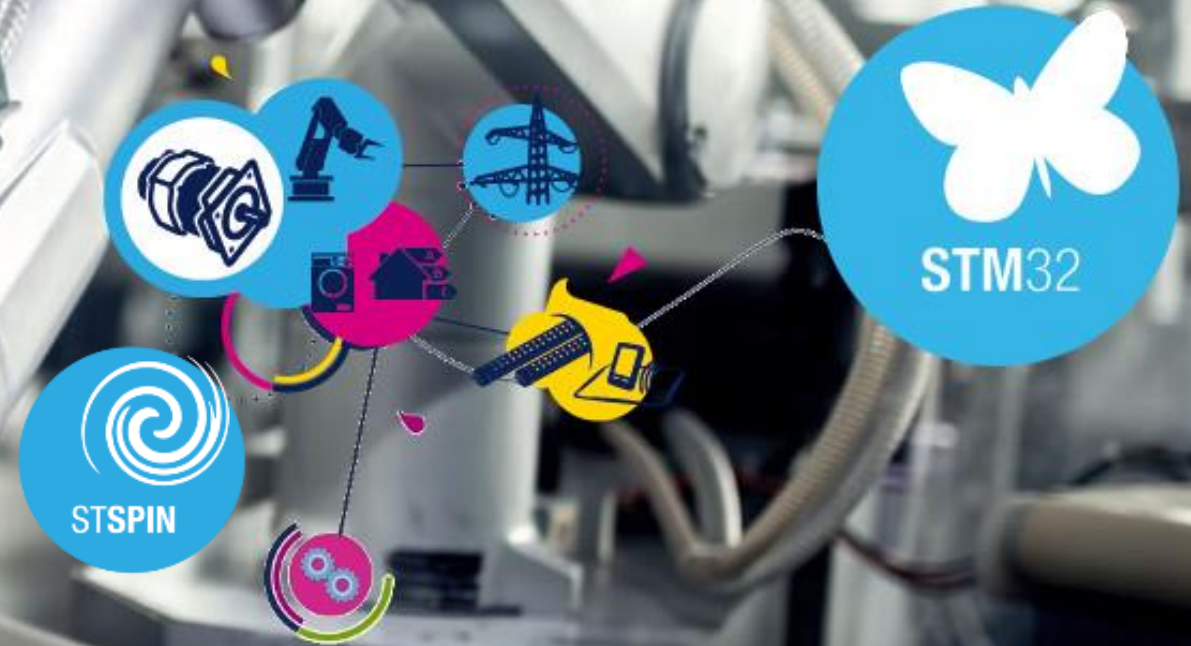
- ST Community: Motor Control Forum
 - <https://community.st.com/community/power-management-and-motor-control>





Releasing Your Creativity with ST Motor Control

Thank you for
your participation!



www.st.com/en/applications/motor-control.html