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# MACS6 generation– your compact and smart drive solution by maxon.

**Together with its subsidiary, zub machine control AG, maxon develops and produces control modules for drive positioning and synchronization. The result is system solutions from a single source - with uncompromising quality and groundbreaking innovation.**

MACS modules (MACS = Multi-Axis Controller System) independently control the highly dynamic positioning and synchronization of up to 32 axes of servo and asynchronous motors, or control autarkic small devices. The control systems are preferably used where PLC solutions are too expensive or do not meet your specific requirements.

Interfaces for incremental SinCos and high-speed latching inputs are integrated in the controllers. The motion controllers operate the Ethernet, EtherCAT and CAN interfaces.

High-performance controllers, such as the MasterMACS, synchronize complex processes in large industrial machines, react lightning-fast to highly dynamic changes in the process, or monitor functional safety.

With the latest development, the MiniMACS6-AMP4, maxon presents the next generation of its motion controllers at the trade fair. With its compact size, the controller is suitable for system developers who design compact and autarkic robots or shuttle systems, such as storage and order picking. With MiniMACS6-AMP4, maxon launches a cost-reduced controller that controls up to 4 axes and can be expanded modularly. The controller contains power amplifiers for 4 brushless drives with up to 50V and 30A per drive.

An essential advantage is the optional programmability with the comprehensive automation software APOSS® win and the license-free motion control library (in program language C). The integrated interfaces allow efficient data exchange with PC and PLC. Entire process sequences can be mapped and executed independently without PLC or PC.

With targeted consulting and engineering services, maxon can efficiently support your development team if required. Reduce your time to market, the development risks and costs with a partner who supports you optimally with products and services all around drive technology from one single source.

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You will find us new at [www.zub.ch](http://www.zub.ch)

zub machine control AG provides highly sophisticated motion control modules and software for drive positioning and synchronization. The MACS motion control modules are the intelligent link in between the PLC or PC and the drive unit. Standardized hardware and software inter-faces combined with free programmability offer maximum compatibility without any limitation for the integration of application specific features and add-ons. zub AG offers supplementary consulting and engineering services to assist their customers in a very focused and most efficient way. Take the opportunity to reduce your time to market, your development costs, and your

risks. Count on a partner like zub AG, who provides products and engineering services focused on highly sophisticated but still cost-optimized motion control solutions.