

April 27, 2020

## Press Release

### **A new compact multi-axes controller from zub and maxon motor.**

**maxon and zub machine control release a new self-contained controller that is ideal for programming autonomous robots or warehouse logistics.**

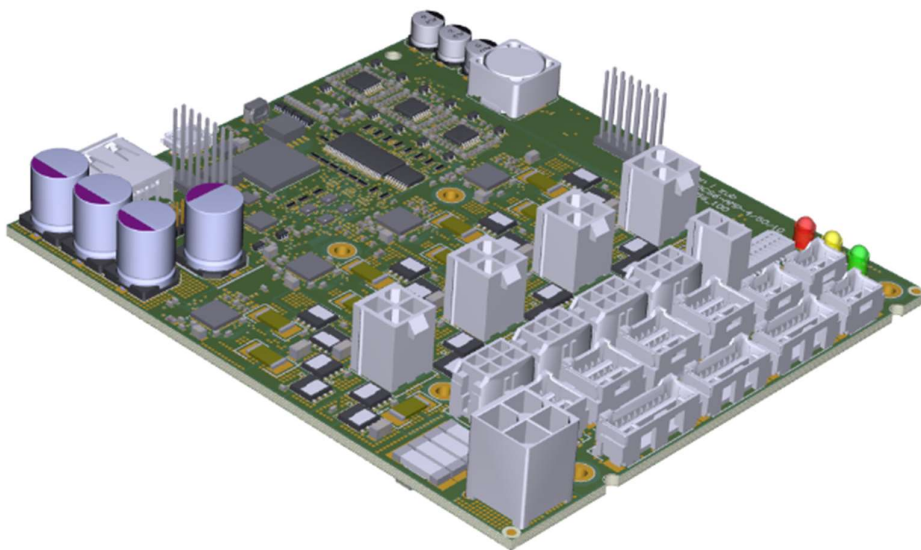
zub machine control AG and maxon introduce the MiniMACS6, the next generation in the MACS controller family. In the past, positioning control over several axes often requires the coordination of several motor controllers which in turn gives corresponding space, design and communication protocol challenges. maxon and zub developed a multi-axis controller system (MACS) achieving closed loop control for positioning and a synchronisation function for up to 32 axes. MiniMACS6-AMP-4/50/10 is the starting point to control up to 4 axis and can be expanded by modules. The controller has inbuilt power amplifiers for four brushless DC motors, six DC brushed motors or three stepper motors up to 50 volts and 10 AM per channel. Its reduced size provides versatility making it suitable to control complex, compact and autonomous devices, such as autonomous robots, laboratory automation devices or shuttle systems found in warehouse logistics. A key feature that sets the miniMACS apart is the optional capacity to be programmed using the APOSS automation software in combination with the license free motion control library. The design of the integrated bus interface allows for efficient data exchange with higher level controllers. Moreover, the true power of the MiniMACS6-AMP-4/50/10, is the capacity to run complete sequences autonomously, without the need of PLC or PC. APOSS allows for the development of self-contained, comprehensive applications that are well structured and maintenance friendly. It has the power to create programs using hierarchical state machines that can be processed in parallel with each other.

maxon motor Australia offer consulting and engineering services as well as advice on DC motor technology for applications requiring position control. For more information contact maxon motor Australia tel. +61 2 9457 7477.

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The press release is available on the internet at: [www.maxongroup.net.au](http://www.maxongroup.net.au)



*The MiniMACS6-AMP-4/50/10 OEM multi-axis controller © maxon zub*

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#### **The Swiss specialist for quality drives**

maxon is a developer and manufacturer of brushed and brushless DC motors, as well as gearheads, encoders, controllers, and entire mechatronic systems. maxon drives are used wherever the requirements are particularly high: in NASA's Mars rovers, in surgical power tools, in humanoid robots and in precision industrial applications, for example. To maintain its leadership in this demanding market, the company invests a considerable share of its annual revenue in research and development. Worldwide, maxon has more than 3000 employees at nine production sites and is represented by sales companies in more than 30 countries.