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Press Release

New motion control software and development environment.

maxon have released the Aposs Integrated Development Environment and ApossC programming language.

The new ApossIDE (Integrated Development Environment) is comprehensive, license-free automation software that enables application-oriented programming of multi-axis motor control systems. It has been developed by ZUB machine control who belong to the maxon group of companies. This tool is used for programming, testing, and debugging motion control functions of all ZUB MACS motor control devices.

ApossIDE Release 07.00.72, maxon and zub have made a new programming language available: ApossC. It can be used during development as an alternative to the original APOSS programming language. ApossC has a similar syntax to that of the widespread C programming language and is easy to learn. ApossC provides assistance in the effective programming of motor drive solutions and has been expanded to include highly powerful commands. Even extremely complex positioning and synchronization functions can be triggered with simple commands. These commands run fully autonomously as background tasks. Contrary to typical PLC systems, interrupt functions allow for fast real-time reactions that are processed directly in the firmware, independent of the cycle time.

Using MACS controllers with the ApossIDE development environment offers great added value for users. With ApossIDE, all MACS components can be programmed freely and flexibly. This allows drives to accurately execute the motion profiles demanded by the application. Faster results and significantly reduced development times provide a critical competitive edge. Additional features include a smart oscilloscope with data recording, a graphic curve editor for creating path trajectories, a programming simulator and programming examples.

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The press release is available on the internet at: www.maxongroup.net.au

MACS5-AMP2 Motion Control Module from zub is a Motion Control Unit with integrated High Power Amplifiers. Control unit + 6 amplifiers included © maxon Group

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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.

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