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Press Release

maxon Showcase five new powerful compact drives

At the upcoming SPS trade fair in Nuremberg, maxon will introduce five new products. All products are designed with a focus on resource efficiency and compactness. They include the ECX SPEED 8 motors with pin connection, the integrated ENX 32 MILE encoder for drives from the ECX flat motor series with 32 mm diameter, as well as the powerful IDX 56 and 70 industrial drives. maxon now have even more technical solutions for extremely compact and tight spaces.

ECX SPEED 8 motors with pin connection

The ECX SPEED 8 motors now also come with pin connection for a space-saving design. The new connection variant can now be configured for all ECX SPEED 8 motors. Pin connections are made for installation of drives in compact devices or systems where the available space is limited, or easy cleaning is required. The pin variant is typically used in medical technology, such as surgical robots, hand prosthetics, and implants.

ENX 32 MILE encoder for tiny drives

maxon is expanding its ECX FLAT 32 series of flat motors with the new ENX 32 MILE encoder. Because the inductive encoder is integrated into the motor, the drive unit is extremely short. The ENX 32 MILE encoder is the smallest MILE encoder available today, with an impressive resolution and high accuracy. The encoder with inverse signal encoders are also resistant to magnetic and electrical fields, as well as dirt. The ENX 32 MILE will be available for purchase in our online store in April 2023. Samples will be available to order as early as mid-November 2022.

MicroMACS6 multi-axis controller

The ultra-compact MicroMACS6 is another new product. The programmable motion controller is intended to real-time synchronise multiple axes. For the first time, this master controller is available with an optional Bluetooth service and support interface. The MicroMACS6 has no power stages and can control up to six axes autonomously. The controller includes two independent CAN interfaces, an Ethernet interface, and a USB interface. The MicroMACS6 is ideal for equipment engineering and works with both ESCON and EPOS power stages.

IDX 56 and IDX 70

Another milestone in torques is the powerful combination of the industrial drive IDX 56 and the GB 28 worm gear from Parvalux, which can easily handle up to 8 newton-meters. Even more powerful is the new IDX 70 with the configurable GPX 70 planetary circuit. Its peak value is 87.5 newton-meters.

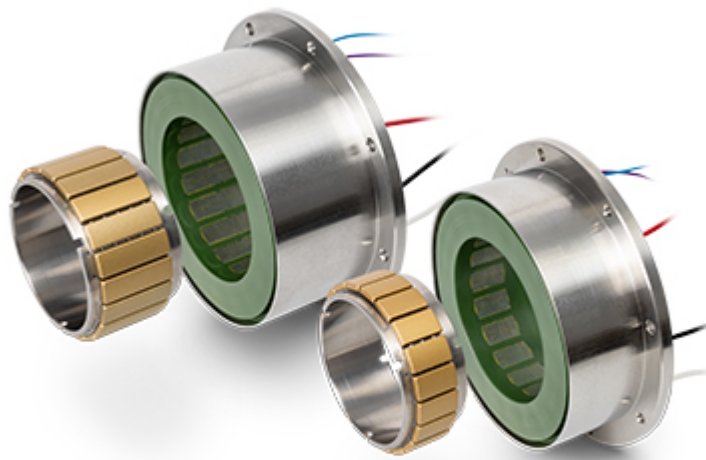
EC frameless DT product family

Two new EC frameless DT85 M and L motors are setting the way for a new product line encompassing various size and power requirements, which some customers have already observed. The new motor size, which is based on the successful EC frameless DT50 motor, is suitable for applications requiring the highest levels of torque. The EC frameless DT motor series has a low rotor inertia, good heat dissipation, compact design, and incredibly straightforward integration. Each motor in this family of products is ideally matched to the others. Large hollow shafts can be used for the power supply or signal lines with this motor. The DT85 will be available in sizes M and L at the beginning of 2023. As with the DT50, a TSX MAG encoder is also available.

For further information please **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



The new EC frameless DT85M and L motors

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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.