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Press Release

maxon release the smallest incremental encoder on the market.

With a size of only 4mm and suitable for medical robots, maxon release the ENX 4 magnetic incremental encoder.

In May 2020 maxon is once again expanding its range of configurable DC motors, gearboxes and encoders. The ENX 4 MAG incremental encoder measures only 4mm and in this size class is a first on the market. The encoder expands the ways the DC motor system can be used, for example in surgical robots. This is configurable with a resolution of 1 to 256 cpt and can be programmed at maxon's manufacturing facility. MAG stands for magnetic and this version uses the same magnetic principles as it's slightly larger MAG 6mm and MAG 8mm versions. maxon motor Australia engineers can assist to configure this encoder with the ECX SPEED DC motors with hall sensors. With the addition of the encoder, the length of the DC motor is only lengthened by 2.7mm making it suitable for applications where space is at a premium. The motor lines are integrated in the same flexible cable which is 50mm long and exits the housing axially on the side but can be also routed radially.

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



The ENX 4 MAG incremental encoder © 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.