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Press Release

Sterilisable brushless DC motor, gearbox and encode combination.

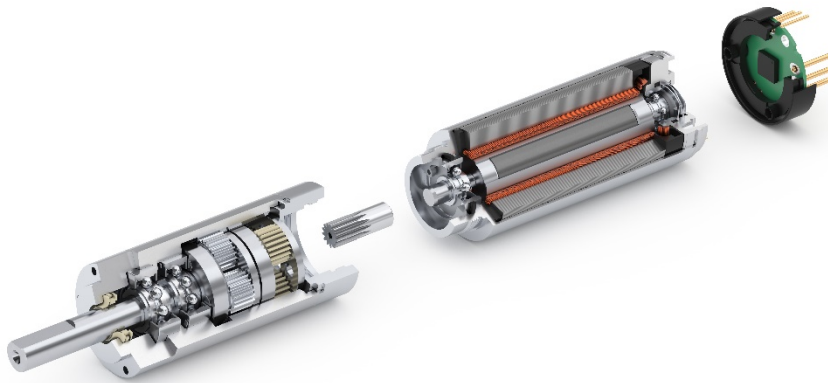
In 2017 maxon unveiled the first complete system of sterilisable brushless DC motor, gearbox and choice of absolute or incremental encoder. This is particularly found in applications within the medical and laboratory automation, and dental sectors.

Aimed at applications operating in the medical hand tools and specialist tools for controlled environments, maxon offer a full position controllable system that is sterilisable. What stands out about this combination is the sterilisable encoder with optional output formats of both incremental to 1024 counts per revolution or Absolute with a 4096cpt (12 Bit). In typical combinations of high speed brushless motors, on offer is a 13mm and 16mm diameter that reaches speeds of 120,000rpm with power levels over 100W. The high input speed gearboxes can be selected with the correct ratio to match the application speed and torque requirements. Furthermore the gearboxes are of a robust stainless steel laser welded construction that is durable and robust to withstand these harsh environments.

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



*Sterilisable brushless DC motor,
gearbox and integrated encoder.
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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.