maxon motor unveil the first complete sterilisable motor, gear and encoder drive system.

The first of its kind! Brushless DC motor (BLDC motor), Planetary Gearhead and a choice of incremental and Absolute encoder all assembled to order in sterilisable form.

This is the first time a sterilisable encoder has been offered and it opens up new possibilities for the medical automation, laboratory automation and dental fields. A full position controllable system that is sterilisable.

The new encoder will have the optional output formats of both incremental to 1024 counts per revolution or Absolute with a 4096cpt (12 Bit). In standard combination with high speed brushless motors in 13mm and 16mm diameter speeds of 120,000rpm are possible and power levels over 100W. The high input speed gearheads can be selected with the correct ratio so match the applications speed and torque requirements and are of a robust stainless steel laser welded construction. Medical hand tools and specialist tools for controlled environments will benefit from this new development.

For more information please contact maxon motor Australia tel. +61 2 9457 7477.

Sterilisable drive system with BLDC motor, gearhead and integrated encoder. © maxon motor 2017