

Sterilizable Motors EC 13 and EC Size 5.

50 Watt Drives for Medical Technology.

For the use in high speed medical applications of up to 90'000 rpm, maxon motor extends the product range by two sterilizable 50 Watt drives "EC Size 5" and "EC 13". Stand-alone, or as motor/gear combination, the drives stand out by high power, extremely low-noise and low-vibration operation, marginal heat generation and minimal size – welcome characteristics particularly in medical handheld power tools.

Both drives tie to their 30 Watt relatives but offer an additional 50% of torque with only 11 mm of extra length. EC 13 and EC Size 5 are of identical design and possess equal "personal qualities". They deliver torques of up to 8 mNm with an efficiency of 90%.

As far as their "outward appearance" is concerned, they perfectly match their respective field of application: Motor and gearhead of Size 5 variant possess an ½ inch outside diameter and a shaft of Ø0.125 inch. The so-called "Servo Mount" serves as fixation. The 13 mm variant comes with an outer diameter of 13 mm, an Ø3 mm shaft and a flange with 3 face side threads.

Both drives are characterized by their similarities: A special compact design particularly adapted for medical use, a very high nominal speed, quiet running, minimized heat generation and sterilizability in the autoclave. The motors are available with Hall sensors or sensorless and with three different windings. The gearheads come in reductions of 5:1 to 125:1, with or without output end shaft seal.

Please find additional information on the new drives on the Internet at www.maxonmotor.com.

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This Media Release can be downloaded from the Internet: www.maxonmotor.com

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EC Size 5: sterilizable, 50 Watt