

New levels of power density for brushless DC gearmotor

maxon motor have achieved higher levels of power density for their 4 pole brushless gearmotors.

Up to 96% efficiency and 5Nm from a gearhead that is only 22mm diameter. This new series of ultra-power gearheads has been perfectly matched with a 4 pole 120W brushless DC motor and a 1000cpt 3 channel encoder. With the exception of maxon motors specialist oil filled heavy duty gearboxes the new series gives the highest torque levels available from 22mm. Intermittent torque ratings have increased from 3.8 to 6.5Nm with a maximum speed input of 10,000rpm. The pictured combination is the first of the series supplied to customers in Australia and also exhibits a custom shaft with key and keyway. Additionally, the motor is fitted with temperature sensors in contact with the winding to allow the brushless DC 4 pole motor to be pushed to its continuous thermal capacity. A sealed bearing system and continuous welding of inline components protect the assembly for use in harsh environments and give optimal assembly strength making the gearmotor series particularly suitable for Aerospace applications.

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

Length of this press release: 197 words

The media release is available on the internet at: www.maxonmotor.com.au



22mm BLDC 4 pole gearmotor © maxon motor

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