Media Release

April 15, 2014

Customise a motor, gearbox and encoder to suit your application.

Now even more options available from maxon motors new motor range.

A key advantage of the latest range of maxon DC motors is the extremely low running noise and vibration levels. This combined with the ability of the customer to now select and modify key customisable features of the motor, gearbox and encoder have created even greater demand for more motors in the newest range. Raising to the challenge maxon motor have delivered new DC motors with some powerful characteristics.

Starting with the new 32mm motor and gearbox. This DC motor contains a strengthened and balanced zero cogging ironless winding. It is recommended that you ask your local sales engineer for some pictures of the componentry or to view a sample to fully appreciate the quality. Improved thermal characteristics have paved the way for market leading continuous power density levels. Complementing the 32mm DC motor is a new 32mm planetary gearbox that contains stepped diameter stages to specifically match the speed and torque needs of each reduction step. This has realised a 1000rpm increase in speed and .65Nm increase in continuous torque capacity over currently available planetary gearheads. The standard 8mm output shaft and mounting holes can also be adjusted to allow for easy adaption into your equipment.

On a smaller scale the range of new maxon motors also includes a 16mm diameter motor and gearbox. The gearbox also containing the special stepped stages and the motor also containing the improved ironless, coreless design. The gearbox also represents a leap ahead from current standard 16mm planetary gearboxes with an increased bearing set size and a greatly improved input speed rating of 14krpm.

Take control.

Now it is time for you the customer to take control. Control over your motor design and also control of our factory! Yes correct, with the new web portal the customer can change hundreds of motor features. Winding, shaft, mounting holes, cables and encoder features can all be directly adjusted online. Press go and the robots fly into action.

Information at your fingertips.

No more waiting for data sheets and drawings. All technical data is available as soon as you tailor your motor solution. This includes the unique part number, 3D files, detailed drawings and performance graphs.

Because we can.

You may be familiar with modern IT products being shipped with personalised laser engraving.. Well now this nice touch has even been introduced into the DC motor market and you can now have your company name or personal touch laser marked on your motor.

Contact a maxon motor engineer in our Sydney Australia office on +61 2 9476 4777.

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

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