New 30mm 150W 4pole brushless DC motor.

A small powerful brushless DC motor for surgical applications that can be sterilised in an autoclave 1000 times.

When initially released the maxon 4 pole 30mm brushless DC motor opened up many new possibilities for hand tools in industry with a ground breaking power density ratio, providing 200W from 300grams. The power from the motor was also very useable having 135mNm at over 15,000rpm (it is possible for example to achieve 250W from a 240g motor but this is at a 35mNm 62,000rpm working point). Automatic pruning shears, portable shearing tools, abattoir processing tools and torque tools are just a few examples of applications that were previously not possible to find hand held motor solutions for. Now, further expanding into the hand tool market maxon motor have released a sterilisable version of the popular motor. Bone saws, surgical drills and acetabulum reaming tools are a few examples of the medical tools that suit the motors capabilities. It still features nominal speeds of around 15,000rpm and high nominal torques between 80 and 100mNm. A true indicator of a motors performance is its speed torque gradient which represents how much a motor will slow down under load. At 5.49mNm/A the motor is much more powerful than previously available solutions.

Contact maxon motor Australia for information or assistance. Ph. +61 2 9476 4777

Length of this press release: 227 words

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

maxon motor Australia Pty Ltd
4/22 Leighton Place
Hornsby NSW 2077
Tel: +61 2 9476 4777
Fax: +61 2 9476 4866
Info.au@maxonmotor.com
www.maxonmotor.com.au