

## Low noise DC motor - aptly named.

**Low noise DC motor example specifically configured and appropriately labelled “The Quiet One” by maxon motor Australia, represents a shift in low noise DC motor technology.**

This low noise DC motor has a specification set that is not typical for an application that requires low noise operating characteristics. It is 26mm diameter and is of a full laser welded stainless steel construction. It has stainless steel pre-loaded ball bearings, graphite brushes and a 60V DC winding. It is also fitted with a 4096qc encoder and features extra-long cables. Traditionally ball bearings are considered “grumbly” for low noise applications and sintered sleeve bearings would be used. Also precious metal brushes would be specified over graphite brushes. However sleeve bearings do not have the lifespan or load capabilities of ball bearings and precious metal brushes often do not have the current conducting capacity that the application requires. This new motor has been designed to overcome these issues and has had special consideration given to harmonic performance. The brush system features a special damping system to attenuate noise and the preloading system has also been finely calibrated for the speed range. The motor outperforms previous low noise benchmarks set by maxon motor. It can be used with the well-known Koaxdrive© transmission technology that offers gear reductions with low noise levels using a unique cross between worm and planetary gear forms. Any process technology application that requires low noise will benefit from the new motor design.

Contact maxon motor Australia for further information or assistance. Ph: +61 2 9457 7477.

---

Length of this press release: 262 words

The media release is available on the internet at: [www.maxonmotor.com.au](http://www.maxonmotor.com.au)



*Low noise DC motor ©  
2015 maxon motor*

**maxon motor Australia Pty Ltd**

Unit 1, 12-14 Beaumont Road

Mt Kuring-Gai NSW 2077

Tel: +61 2 9457 7477

Fax: +61 2 9457 8366

[info.au@maxonmotor.com](mailto:info.au@maxonmotor.com)

[www.maxonmotor.com.au](http://www.maxonmotor.com.au)

Twitter [@maxonmotoraust](https://twitter.com/maxonmotoraust)