

Brushless DC flat motors – in parts.

maxon motor Australia's new frameless DC motor and encoder set allows even further miniaturisation and integration. The new motors meet the increasing need for smaller robotic actuation by assembling individual parts directly into the robotic joint.

This is the new frameless brushless DC motor (BLDC) with a diameter of 45mm and an assembled depth of just 23.7mm, it has a continuous rating of 50W. 70W and 130W versions are also available. The frameless design is particularly suitable for processing machine or rotary stage manufacturers who need a large through bore to pass cabling or tubing. For positioning a high resolution magnetic encoder ring also with the same bore as the motor rotor is also supplied as components. The encoder ring is marked with the zero position to allow alignment with the motor zero commutation point in the application and is available in IP rated, absolute and incremental options. The combination gives a low profile large bore positioning system made up from standard parts with shorter lead times than specialty manufactured complete assemblies. The second advantage is for space saving in applications already containing joint actuation bearings or mounting systems there is no need for a second set within the motor.

Contact maxon motor Australia for assistance with brushless frameless DC motors. Ph: +61 2 9457 7477.

Length of this press release: 222 words

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



*Brushless Frameless
DC motor and encoder
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