

A DC motor kit supplied in parts for robotic joint applications.

Maxon's brushless frameless DC motors are designed for applications with space and weight constraints.

DC motors don't always fit seamlessly into applications. Particularly in robotic joints, the space and weight constraints can take off the shelf DC motors past their threshold. These motors must also offer high torque yet be lightweight to meet the needs of the application's dynamic movements. For this growing market, maxon motor developed a brushless flat motor as a frameless kit. The rotor and stator are provided separately, without bearings and motor shaft and connected when these components are put together. This offering brings the best of both worlds: high torque density with the smallest dimension possible. With outer diameters of only 43 to 90 mm, the brushless frameless flat motors are particularly compact. Designed as external rotor motors, they offer plenty of space inside for cable glands. For easy control these are delivered with Hall sensors.

The benefit of the brushless frameless motor kits are low cogging torque, high overload capacity, high torques through the multi-pole external rotor, space for cable glands, supplied equipped with Hall sensors and thermal sensors, and speaking from our own experience; higher levels of integration into robotic joint applications.

For more information on robotic applications or maxons brushless frameless motor kit, please contact maxon motor Australia tel. +61 2 9457 7477.

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



*Brushless EC 90 flat
motor (90 W),
frameless version.
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