

Shining a light on motor applications.

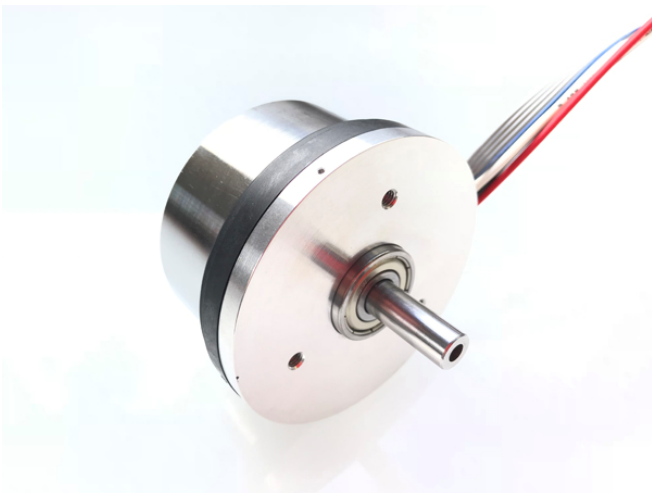
Brushless flat DC motor with hollow bore for air and light transmission.

Today we exhibit a new motor development featuring a Brushless DC (BLDC) flat motor. Flat motors are also commonly referred to as pancake motors. This unit has a body length of just 38mm and an output power of over 157W and 6000rpm at the shaft in the application. The average motor power rating for the series across 6 variants is 100W. The overall motor diameter is 68mm and it can be supplied with or without protective covers for IP rating. The motor is available with an internal encoder with resolutions up to 16,384qc per revolution making it suitable as a rotary stage of robotic joint actuator. The unique feature though is the motors hollow shaft. This is to enable customers to pass light or air through the bore of the motor. Air transmission is a common requirement for packaging and placement machinery and light or fibre is a common requirement for film and camera gimbal applications. This motor was also manufactured with the customers shaft length and bore specifications in combination with a custom rear shaft extension at the rear from the motor rotor.

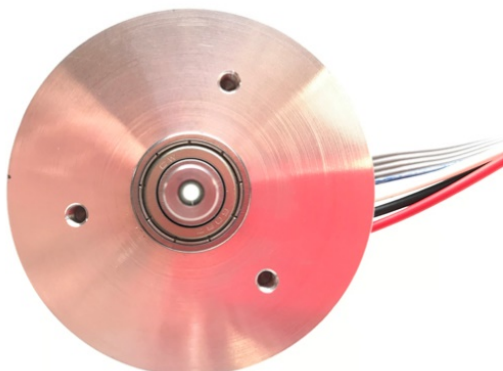
Contact maxon motor Australia for motor specifications or assistance with a custom solution Tel. +61 2 9457 7477.

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



*Brushless flat (pancake)
DC motor © maxon motor*



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