

## Brushless DC motor with integrated controller.

**Unique 5 wire Brushless DC motor with integrated BLDC controller provides a new and more conveniently packaged solution.**

New from maxon motor is a brushless DC motor that takes a turn away from the Swiss motor company's traditional designs. The EC-I 30IE motor features a five wire connection to simplify implementation and still give a wide functionality. An independent set speed value connection allows for a greater motor operating speed range over the common two wire approach to integrated brushless motor control. Additional features are a disable, direction and speed monitor output. It is an enclosed design that does not require any airflow through the body for cooling which makes it suitable for harsh environments typical of various industries such as food, packaging, manufacturing, mining & deep sea drilling and aerospace. Despite the internal motor control board the motor has still been designed with a shaft on both ends of the body for orientation convenience and is still part of the modular construction program allowing the addition of ceramic planetary gearheads (reduction gearboxes). The motor is 30mm diameter and 41mm long including the control unit. It has four quadrant control meaning it can control dynamic acceleration and deceleration in both directions. The controlled top speed is 6000rpm from a 24V supply and the 20W power rating indicates a high power density ratio.

For more information 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](http://www.maxonmotor.com.au)



*Maxon's BLDC motor with integrated electronics and 5 wire connection  
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