Unmanned vehicles: the maxon motor solution.

Across the many and varied robotics applications be they surgical, UAV, humanoid, collaborative or industrial robots, maxon motor offers motor and drive solutions.

Unmanned robots step-in for humans when the environment is too dangerous or rugged to tread. These robots are designed to perform a variety of tasks, operate independently and negotiate tough terrain. The motors and drives need to be 100% reliable particularly when the environment for repairs is dangerous, impractical or near-impossible for humans to negotiate. Because these microdrives run on batteries, engineers look at the energy efficiency for the longest life-span possible. These drives are configurable on-line to suit specific application needs and ready to be shipped after 11 days.

Exploring new and unchartered territory with maxon DCX brushed motors.

The maxon motor solution

Offering high-energy efficiency, extreme power packed into small spaces, precise position & speed control and very high torque output. The brushed DC motor with planetary gearhead and maxon X-series encoder is pictured below. maxon motor recommends a DCX 22 with graphite brushes for robust operation fitted with a GPX HP gearhead and ENX 16 EASY encoder.

DCX 22 with graphite brushes, GPX 22 HP and ENX encoder © 2016 maxon motor
Other maxon solutions to consider
Brushless DC motors: The EC-i 40, EC-i 40 High Torque with EASY Encoder.
Brushless flat motors: EC45 flat, EC 60 flat and EC90 flat with MILE Encoder.
Controllers: ESCON Module 50/5, DEC Module 50/5 or EPOS2 Module 36/2.
View the entire maxon EC program.

For more information on motor and drive needs for unmanned robotic applications please contact maxon motor Australia on +61 2 9457 7477.

Length of this press release: 250 words
The media release is available on the internet at: www.maxonmotor.com.au