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## Press Release

### Drones, UAVs and mini helicopters.

#### maxon takes to the air.

Unmanned aerial vehicles or UAVs, drones, mini helicopters: Whatever you want to call them, while traditionally known for aerial photography their potential is far more wide reaching, such as within the areas of inspection, agriculture, security, and small-scale freight.

The market is young and energetic with a lot of start-ups. maxon is taking an active role too. Following the industry's initial ventures and a few high-profile crashes, the requirements placed on unmanned aerial vehicles and their components have increased. maxon has the necessary high-quality DC motors and the knowledge to develop specialised drone motors.

In the past few years maxon has developed a number of initial models for special projects, together with matching controllers. New DC motors and controllers for customer projects are in development and in conjunction with this is to learn as much as possible from experts. This is why maxon's aerospace people have been working closely with drone specialists and Swiss colleges such as the EPFL in Lausanne, as well as with propeller manufacturers and customers.

In the drone market, the motor is not the only thing that matters. What is far more important is the perfect interplay of brushless DC motors, motor controllers and matching propellers. That is the only way to get the most out of the system in terms of thrust and energy efficiency. This system concept is also becoming increasingly important in other markets. This is one reason why maxon has established business units that specifically focus on Aerospace, Industrial Automation, Medical, and Mobility Solutions. The specialised staff understand the requirements for systems in those industries.

At this point in time, the most talked-about drone at the moment is controlled by six maxon DC motors. Find out more about ["Ingenuity" on Mars](#).

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The press release is available on the internet at: [www.maxongroup.net.au](http://www.maxongroup.net.au)



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**The Swiss specialist for quality drives**

maxon is a developer and manufacturer of brushed and brushless DC motors, as well as gearheads, encoders, controllers, and entire mechatronic systems. maxon drives are used wherever the requirements are particularly high: in NASA's Mars rovers, in surgical power tools, in humanoid robots and in precision industrial applications, for example. To maintain its leadership in this demanding market, the company invests a considerable share of its annual revenue in research and development. Worldwide, maxon has more than 3000 employees at nine production sites and is represented by sales companies in more than 30 countries.