

## RE 50 and RE 65 industrial versions.

Powerful maxon drives for tough conditions.

**In response to a growing market requirement for drives with IP54 protection rating, maxon motor is expanding its existing range of RE 40 and EC 45 industrial versions by adding the RE 50 and RE 65. maxon motor is also launching new AB 44 mounted brakes.**

The two powerful and mechanically commutated DC motors, with output powers of 200 and 250 watts respectively, are available immediately as industrial versions. A number of steps have been taken to protect the drives against dirt and splash water. The motor is therefore protected on the commutation side with a sealed aluminum housing. The cable outputs are sealed with PG cable fittings, and the shaft is secured with a radial shaft seal to guarantee IP54 rating on the flange side as well.

Like all maxon products, the RE 50 and RE 65 industrial versions can be combined in the modular system with gears, encoders and brakes. The AB 44 permanent magnet brakes are a new feature, notable mainly for their extremely wide temperature range - from -40 to +100°C - and high 2.5 Nm torque. The brake disk is also secured onto the motor shaft which is a major advantage for positioning tasks.

These two industrial versions, with diameters of 50 and 65 mm, are available as standard with various winding options. They achieve nominal torque of up to 0.9 Nm, nominal speeds of up to 5,500 rpm and an efficiency level of over 90%. All industrial versions are delivered with 1.5 m long screened cables. As a result, the cable shielding, mounting cap and brush cover are all electro-conductively connected to each other.

Low nominal voltage, high power density, a flexible combination range and IP54 protection rating make both power packages the ideal choice for use in industrial equipment, such as automatic dispensing machines, handling and packaging machinery, as well as in battery-operated applications such as electric vehicles, transport and logistics facilities.

Further information on the new RE 50 and RE 65 industrial versions as well as maxon's complete range is available on the Internet at [www.maxonmotor.com](http://www.maxonmotor.com).

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This Media Release can be downloaded from: [www.maxonmotor.com](http://www.maxonmotor.com)

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DC motor with ironless rotor. RE 65 industrial version, Ø65 mm, graphite brushes, 250 watts.