

Press release, April 8, 2020

## A wide variety of high-performance drives

**maxon, high precision drive specialist, launches high-torque product innovations this Spring. These include higher performance flat motors, drives with higher torque output, and new additions to the GPX gearbox family.**

The new, **maxon EC-i 52 Power up** brushless motor meets customer demands for industrial applications with higher torque. The new version of the EC-i 52 now achieves a torque of up to 1 Nm. This increase in performance is due to improved cooling, the ventilated version of the EC-i 52 Power up reaches 420 watts of nominal power.

Another addition to the EC-i family includes the, **EC-i 40 High Torque 130 watt brushless motor**. This drive was originally developed for power tool applications. To meet the high demand for higher-torque drives, maxon is mass producing the EC-i motor with an additional 34.8 mm in length. The versions with a fan offer up to 100 percent more power.

If required, the EC-i drives may be combined with encoders, gearheads, and a maxon controller in our easy to use online shop: [shop.maxongroup.us](http://shop.maxongroup.us)

### **EC 45 flat Power up - higher-power flat brushless motor**

Using new processes, maxon has developed a rotor for flat motors whose housing is produced by cold forming. The result is the more powerful and less expensive **EC 45 flat Power up** motor, it is available in two standard versions, as well as in two new versions with either an open rotor or a fan.

### **ECX Torque 22: Dynamic brushless motors**

Brand new additions to the market are the brushless maxon **ECX TORQUE** motors, which have a diameter of 22 mm and are available in three different lengths. With their iron core and multi-pole rotor design, these motors achieve a very high torque density at moderate speeds, while their low time constant makes them extremely dynamic. The ECX TORQUE motors are available as configurable units ready for shipment in 11 working days.

### **Ultra Performance gearhead**

A new addition to the GPX gearhead family. In addition to the existing diameters of 22 mm and 32 mm, maxon is launching the larger **GPX 42 UP** gearhead version. The GPX UP "Ultra Performance" gearheads are extremely efficient.



maxon EC 45 flat : Standard version (50/70 watt) – version with open rotor (60/80 watt) and ventilated versions with optimized cooling by a fan (90/120 watt) – from left to right



ECX TORQUE 22 L



EC-i52 Power up 420W

**The Swiss specialist for quality drives**

maxon develops and manufactures brushed and brushless DC motors. The product range also includes gearheads, encoders, controllers and complete mechatronic systems. maxon drives are used wherever particularly high requirements apply: in NASA rovers on Mars, in surgical tools, in humanoid robots and in precision industrial equipment to name but a few. In order to stay ahead in this demanding market, the company is investing a large part of its revenue in research and development. maxon employs around 3000 people at nine production sites around the world and operates sales companies in more than 30 countries.