Brushless maxon EC motors at the international space station.

maxon EC Drive systems can be found in experimental robots on board the ISS.

The International Space Station (ISS) are testing robots to perform tasks in place of astronauts. One such experiment, called the “Robot Experiment on JEM, or “REX-J”, has been in the Japanese unit of the ISS since 2012. The robot was developed to kick-start a new group of astrobots that can move across the space station, lift loads or perform inspections. Designed to move across a surface like a spider, the REX-J can be operated remotely from the ground control center with no interaction from the ISS crew. There are several brushless maxon EC max motors, planetary gearheads and encoders making up the drive systems in this specialised robot. Full application notes are available on the maxon motor Australia Website.

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maxon brushless EC-max motors, found in the ISS experimental robots. © 2016 maxon motor