

## **Higher Performance Delivered**

**New 22mm High Torque planetary gearbox offers both performance and efficiency**

Portescap introduces the new 22mm High Torque Planetary Gearbox which features a full metal gearbox design and specially designed gears providing continuous torque up to 3.7Nm and efficiency ranging from 62% to 82% with a max recommended speed of 12,000 RPM.

This gearbox can also be operated above the max recommended torque and speed value for a rated power range (With limited duty cycles or time). Based on comprehensive reliability testing, the R22HT is capable of twice the torque output of previous products. The new gearbox will be available with 2 to 4 stages with ratios ranging from 10.9:1 to 850.3:1, which means 65 different gear ratios to work with depending upon the different application needs.

R22HT is an ideal solution for applications such as electrical grippers, medical analyzers, window ventilation actuators, medical physiotherapy tools, camera actuators and many more. Due to its high efficiency factor, the R22HT is a perfect motion solution for battery operated tools due to its lower weight and mechanical package which results in better handling comfort for battery operated equipment.

R22HT is compatible with Portescap's DC and BLDC range of motors between 22mm to 25mm diameter. These gearboxes will be manufactured in an ISO certified facility and are RoHS compliant.

### **About Portescap**

Portescap offers the broadest miniature and specialty motor products in the industry, encompassing coreless [brush DC](#), [brushless DC](#), stepper can stack, gearheads, digital linear actuators, and disc magnet technologies. Portescap products have been serving diverse motion control needs in wide spectrum of medical and industrial applications - medical, life science, instrumentation, automation, aerospace and commercial applications, for more than 70 years.

Portescap has manufacturing centers in the United States, St. Kitts, and India, and utilizes a Global Product Development network with research and development centers in the United States, China, India, and Switzerland.

