

## **New High Torque 22DCT Athlonix™ Mini Motor from Portescap** High torque in a compact package

Portescap has added a new 22 mm diameter motor to its DCT line of Athlonix Brush DC motors. The new 22DCT motor is a result of Portescap's 80 years of expertise in developing miniature motor solutions. Featuring its proven energy efficient coreless design with an optimized self-supporting coil and magnetic circuit, the 22DCT delivers higher performance in a compact package.

The 22DCT motor, with a diameter of 22 mm, is capable of reaching a continuous torque up to 13.29 mNm at a length of only 32mm. This motor provides an outstanding torque density along with an attractive price to performance ratio, making it a perfect alternative to comparable solutions available on the market

Along with the torque, what's special about the 22DCT motor is that it has the lowest motor regulation (R/K2) compared to similar motors in the market, meaning it has a lower drop in speed at increasing loads. This provides the most powerful motor available at your disposal for various challenging application needs. Combined with efficiency up to 90%, 22DCT motor is an ideal motion solution for battery operated tools.

The 22DCT is available with precious metal and graphite commutation systems with Neodymium magnets inside and is an ideal motor solution for applications such as medical and industrial pumps, drug delivery systems, robotic systems (bionic fingers),

miniature industrial power tools, tattoo machines, mesotherapy guns, dental tools, watch winders, and industrial grippers. Other applications such as lab automation, security and access and humanoid robots can also excel using the 22DCT Athlonix motor. 22DCT is also available with a REE coil (Restriction of Electro Erosion) which prolongs the life of the motor and provides an environment of intrinsic safety especially at high speed conditions.

Component standardization and design modularity allow quick customization capability for samples across various applications. Athlonix motors are compatible with encoders and gearheads of various sizes and ratios and are also available on our online motor configurator Motion Compass™. They are 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.

