

# News Release

# Portescap

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## **Reduce Device and Instrument Size, Without Compromising Power, With Athlonix™ 10NS Brush DC Motors from Portescap**

Portescap introduces the [10NS brush DC miniature motor](#). These brush DC motors deliver spectacular speed-to-torque performance, ensuring high nominal torque and high power up to 0.7W in a smaller envelope than motors with comparable performance attributes. This enables OEMs to build smaller, lighter, and higher performing machines and devices. It also eliminates the need to choose between compact size and weight, or battery life and equipment life cycle.

“As part of the Athlonix™ platform, ultra-compact 10NS brush DC motors feature an energy efficient coreless design with an optimized self-supporting coil and magnetic circuit. This enables the motor to maximize power density, while also providing sustained endurance over the life of the motor,” says Sunil Kumar, Assistant Product Manager. “This makes 10NS miniature motors ideally suited for use in [medical](#) and [instrumentation](#) devices including medical pumps, imaging collimators, land survey equipment, and security and access applications.”

These high power density motors provide maximum continuous torque up to 0.9 mNm to deliver higher endurance and performance while maintaining operational efficiency. They weigh just 16 g / 0.56 oz and deliver output power up to 0.7 watts.

10NS brush DC motors are compatible with incremental encoders and gearheads of various sizes and ratios to satisfy a wide range of application needs. They are manufactured in an ISO certified facility and are RoHS compliant. Contact Portescap's

application and sales support team to obtain additional specifications and rapid prototype samples.

### **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.

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