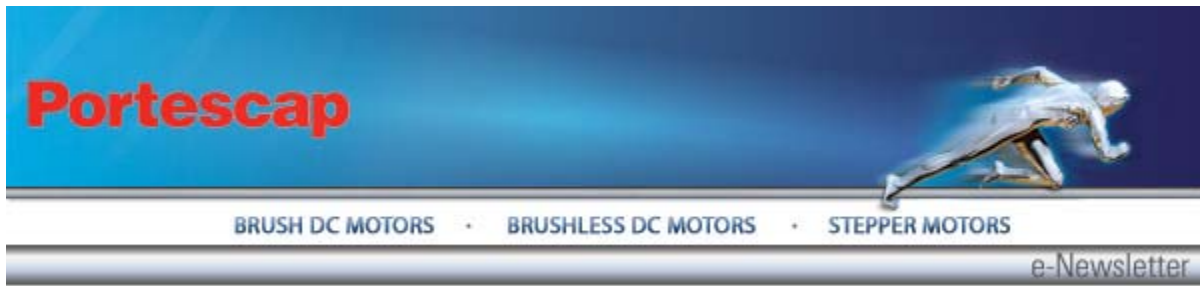


Subject: Athlonix Motors Named Best Product Finalist



Athlonix Brush DC Motors voted Best Product Finalist

Athlonix™ high-power density brush DC motors from Portescap have been named a 2009 Design News Golden Mousetrap Award Finalist in the Motion Control/Automation category. Athlonix motors feature an energy efficient coreless design with an optimized self-supporting coil and magnetic circuit, which delivers maximized power density and sustained endurance over the life of the motor.

"Design News congratulates the winners and finalists of the 2009 Golden Mousetrap Awards for the great work they've done to develop new and innovative products for design engineers. These products showcase the highly

» » BLDC Customized Solution Helps Drill Succeed

Portescap is the leading supplier of autoclavable brushless DC motors for powered surgical instruments. Did you know that these motors have been life tested by our customers to withstand in excess of 1,000 autoclave cycles?

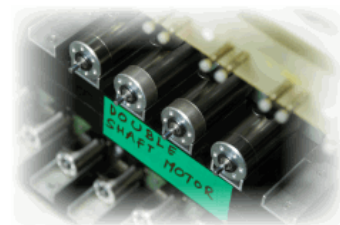


Read about how we recently customized a slotted BLDC motor for an orthopedic drill customer.

Motion Solution Spotlight

Let Portescap Customize A Solution For You

Portescap has been successful in providing its customers with a wide range of customized solutions. We are able to customize a solution to meet your most challenging situation, whether you need a simple modification or a complete customization.



Some examples of customizations we have done in the past include the following:

imaginative ways that today's engineers are 'building a better mousetrap,' and we thank them for their contributions," says Karen Field, Editor-in-Chief, Design News.

[*Read more here](#)

[*Learn more about Athlonix motors](#)

- *Electromagnetic design* (Coil / Magnet) - fine-tuning to meet exact customer specifications
- *Adaptations for mounting* requirements, such as shaft projection, flat, step, etc., as well as mounting holes, cables / connectors, encoders
- *Value additions* in terms of pinions, pulleys, flanges, lead screws & other customer components
- *Custom electromechanical design* to reach required speed and torque point for a given supply voltage
- *Additional shaft seal* to better protect the motor when used in hand held equipment, such as a surgical hand tool
- *Aluminum housing* to reduce weight
- *Thinner laminations and higher energy magnet* to improve efficiency (critical for battery operated application)
- *Custom gear* directly cut on motor shaft to improve system reliability
- *Golden plated pins* instead of lead-wire to provide ease of connection
- *Motor built directly into customer hand piece* to limit number of components and reduce overall weight

[Contact us](#) today to learn more or to schedule an appointment to discuss specifications and customization.

Portescap In The News

- Athlonix Brush DC Motors from Portescap named 2009 "Best Product Finalist" by Design News Magazine... Learn more [ENG](#)
- Focus on Miniaturization by Medical Design Technology featuring Design Talk on Miniaturized Motion for Portable and Home Devices, by Dave Beckstoffer from Portescap... [Read More](#)

What's New

motorCompass

Wondering which type of miniature motor would work best? Learn more about the characteristics and advantages of the different motor technologies. [View the motorCompass here](#)

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v.Portescap e-news Sept 09