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## Applied Motion Products Offers Compact Step Motors with High Torque for Space-Limited Applications such as Medical Devices, Robotics & Packaging

Watsonville, CA...May 9, 2019...[Applied Motion Products](http://www.applied-motion.com) offers compact step motors in NEMA sizes 8, 11 and 14 for applications with limited space including medical devices, 3D printers, analytical and medical instruments, textile equipment, laboratory automation equipment, surveillance equipment, camera controls, pumps, consumer electronics, packaging equipment, CNC machines, robotics and more.

These lightweight and low-cost motors offer high torque up to 22 oz-in at low speed. Even while sized smaller, the compact step motors operate with high step accuracy and resolution as well as low vibration and noise - important factors in machinery lines and medical equipment. The compact step motor line includes:

- NEMA size 8 in two lengths (1.24" and 1.85") and holding torque up to 4.53 oz-in
- NEMA size 11 in two lengths (1.22" and 2.05") and holding torque up to 14.16 oz-in
- NEMA size 14 in two lengths (1.02" and 1.57") and holding torques up to 25.53 oz-in

These hybrid-type small motors offer the highest torque density in their frame size. With a 1.8° step angle and RoHS compliant, units are available in both single and double-shaft versions. To address customers requirements for specific connectors and couplings, Applied Motion Products provides its compact motors with customized cable and connector assemblies and a variety of options including flats, thru-holes, custom lengths, and more.

Applied Motion Products also offers a full complement of stepper drives that optimize the torque and speed performance of its compact step motors while providing smoother and quieter operation. For basic step and direction control applications, operators can set up the [miniature STR3 stepper drive](#) with just a screwdriver. A new [STF stepper drive family](#) offers on-board programming and network communications. All software tools for these drives are free and easy-to-use. Q Programming provides the option to store motion profiles on STF drives and execute profiles in stand-alone mode or via a digital I/O.

For more information on compact motors from Applied Motion Products, visit <https://www.applied-motion.com/products/series/small-step-motors>, completing the online [contact form](#) or call 1-800-525-1609.

## **About Applied Motion Products**

Applied Motion Products specializes in high-precision, cost-effective motion control products including stepper and servo motors, drives, controllers, gearheads, and power supplies. The company serves a diverse industrial and OEM customer base with both standard and customized products. With in-depth motor and control expertise, Applied Motion Products works with customers from initial concept and design through finished product and production to provide the best motion control solutions to a range of markets. Find out more at <https://www.applied-motion.com/> or contact the company at 1-800-525-1609.