

## **For immediate Release**

### **World's smallest and lightest direct drive motors available from Nippon Pulse**

Radford, VA – October 2023 – Nippon Pulse is pleased to offer additional precision motors for OEMs. Our latest models are the lightweight, yet powerful, MDx series of direct-drive AC servo motors perfect for factory automation, semiconductor, life science, security, and haptics applications.

These compact motors contain an integral, high-resolution optical encoder and robust, high-load bearings in a compact design that provides higher torque-to-weight ratios than similar diameter rotary servo motors. The direct drive capability offers excellent backdrivability for haptic feedback in leader-follower control. Capable of quick movement and fast settle times, the direct-drive motor can swiftly react to the next move command in the motion profile. Quiet operation helps limit noise on the manufacturing floor or in lab and hospital environments.

The MDx series is available in a variety of sizes (13-70mm) and multiple stack-lengths. Both standard (MDS) and hollow-shaft (MDH) options can be customized to meet exact requirements. Customizations include special shaft arrangements, alternate mounting options, anodized surfaces, and encoder resolutions.

Contact Nippon Pulse to learn how this motor can work in your application!

<https://www.nipponpulse.com/products/motors/motors-rotary-servo>

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About the Company: Nippon Pulse America Inc. is an American subsidiary of Tokyo-based Nippon Pulse Motor Co., Ltd. Nippon Pulse is a global manufacturer and Tier 1 supplier of precision motion control products for original equipment manufacturers. We provide a wide array of motion control solutions to meet your needs, including industry-leading stepper motors, the innovative Linear Shaft Motor, controllers and drivers. For more information about Nippon Pulse's quality products, visit [nipponpulse.com](http://nipponpulse.com) or call 1-540-633-1677.