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ThinGap's LSI 130 Slotless Motor Kit as used by US Navy. The LSI 130 has a 130mm OD, 23mm height, and provides 2.25 N-m of continuous torque and 12.1 N-m peak.

Press Release

Delivery of Slotless Motor Solutions to NASA and US Navy

ThinGap is a go-to source for USA-designed and made standard and custom solutions.

US Agencies use high performance motor kits in advanced space and optical platforms.

Camarillo, CA (September 10, 2020) – ThinGap has announced the recent delivery of high-performance motors to NASA and the Navy, under separate projects. As a USA-designer and maker of electric motors, ThinGap is especially proud of the support it has provided to these and other Agencies.

Government customers represent a small, but important, aspect of ThinGap's motor development and production business targeted at aerospace, industrial, and medical applications. Its zero cogging, high efficiency and lightweight architecture has many uses in the areas of military, energy, and space.

In the most recent US Navy project, ThinGap's LSI 130 is paired with an absolute-ring encoder and industry-standard electronics control as part of an Optical Scanning System used in laboratory testing. For NASA, ThinGap has and expects future orders for flight-grade motors that are put into space. Reaction Wheel Assemblies (RWAs) used in Low-Earth Orbit (LEO) micro-satellites is one of the largest applications for the Company's high-speed TG line, with more than 1,200 of these motor sets delivered in 2019 for the buildout of an undisclosed constellation.

The delivery of motor kits to NASA and US Navy adds to ThinGap's long list of Government customers, including DARPA, US Air Force, and JPL. Impressive collaborations with these Agencies speak to the high caliber nature of ThinGap's products and services.

"Our support of NASA and Navy demonstrates the impressive quality and ingenuity that make ThinGap products so special," commented John Baumann, ThinGap's CEO. "These advanced motor solutions are provided to our defense and aerospace partners, as well as ThinGap's growing commercial-customer base."

About ThinGap

For nearly two decades, ThinGap has been a leader in the design and manufacturing of USA-made, high performance electric motor and generator kits. ThinGap's patented ultra-thin coil stator and optimize permanent magnet design rotors results in a step increase in performance relative to conventional slotted technologies, as well as other available slotless motors.