



ThinGap's LS Line of Slotless Motor Kits  
Available in sizes 25 mm to 267 mm

# Product Release

## LSI 25-10, ThinGap's Ultra-Small Cogless Motor Kit

*OD of 25 mm and Axial height of 10 mm with 44.2 mN-m of peak torque*

*Same Zero Cogging and Thin Radial Cross-Section as other ThinGap Slotless Motors*

*First in a series of three 25 mm OD parts, with the LSI 25-16 and LSI 25-25 due in Q3 2020*

**Camarillo, CA (May 27, 2020)** – ThinGap has announced its smallest ever motor kits, the LSI 25-10. This ultra-small 25 mm outer diameter (OD) class of motors is an expansion of the now established LS Series of slotless motor kits and is about the size of a 1" hose clamp. The LSI 25-10 is the first released part in the planned 25 OD-sized motor offerings by ThinGap. By the third quarter of 2020, the LSI 25-10 is expected to be joined by two taller designs, the LSI 25-16 and LSI 25-25 (16 and 25 mm axial heights, respectively).

The LS Line of slotless motor kits feature high-performance, zero cogging, high efficiency, and are lightweight, and are leverage ThinGap's proprietary stator technology and long-standing design expertise. The motor kits are ideal for smooth and precise motion in targeted applications, such as robotics, automation, and optics in the typical medical, industrial and communications markets that need high precision.

The entire LS line offers a large through-hole and low-profile form factor that makes them ideal for integration into a wide range of OEM systems and test platforms. The LS motor offers torque performance equivalent to traditional frameless motor kits available on the market, unlike other slotless motor solutions which force a trade-off between torque output and smoothness. The LS design's lamination stacks that surround the coil-wrapper stator are ideal for clamping and bonding as part of their integration into systems and provides a thermal path that improves the motor's efficiency.

ThinGap's complete LS line of slotless motor kits range in size from 25 to 267 mm outer diameter and continuous torque from .1 to 12 N-m. With standard and modified standard configurations, the product line will cover voltages from 7-285 volts and current from 3-12 amps. Special configurations are also available.



### **About ThinGap**

*For over fifteen years, ThinGap has been a world leader in the design and manufacturing of USA-made, high performance frameless electric motor and generator kits.*