

Alva Industries Launches SlimTorq™ Series Lite & Max Precision Torque Motors

Alva Industries announces the launch of SlimTorq™, a new range of slotless thin-section motors ideal for high-precision applications on land, sea and air.

TRONDHEIM, NORWAY, October 1, 2024 /EINPresswire.com/ -- Alva Industries, a manufacturer of frameless motors with [FiberPrinting™](#) technology, has today announced the launch of [SlimTorq™](#), a new range of slotless thin-section motors ideal for high-precision applications on land, sea and air.

SlimTorq™ motors are available in sizes from 39mm to 130mm outer diameter and manufactured by the company's next-generation, patented FiberPrinting™ technology. FiberPrinting™ enables ironless and slotless motor windings with up to 60% copper fill factor, setting a new standard in precision, torque density and adaptability.

Attributes of SlimTorq™ motors include:

- Ultra-thin & compact form factor
- High precision & power
- Brushless for reliability
- Low noise and vibrations
- Non-skewed windings for maximised torque output
- Infinite design possibilities, enabling rapid customisation

Applications for SlimTorq™ motors include:

- High precision gimbals
- Medical devices & surgical robotics
- Defense & satcom
- Marine propulsion



New SlimTorq Series of High Precision Torque Motors

- Metrology
- Semiconductor

“We hear all the time from engineers developing systems for high-precision applications that they need to reduce size, weight, and power consumption, while improving overall performance,” said Nicolas Giraudo, CCO at Alva Industries. “With SlimTorq™ this is now possible, as it is the thinnest and lightest precision torque motor available on the market.”

“One of the key benefits of FiberPrinting™ is its intrinsic flexible process, allowing us to develop custom windings faster than competitors”, said Jørgen P. Selnes, CEO & co-founder of Alva Industries.

About Alva Industries

Alva Industries is a global manufacturer of frameless motors with its headquarters in Trondheim, Norway. The company’s patented FiberPrinting™ manufacturing technology enables Alva to produce motors in almost any shape or size, with high efficiency, state-of-the-art torque density and superior reliability. Visit www.alvaindustries.com to learn more and follow us on LinkedIn.

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