

## NEWS RELEASE

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### FOR IMMEDIATE RELEASE

#### Inmotive Inc.

Inmotive's Ingear Demonstrates Over 99% Peak Efficiency

*Measurements Validated by Tier One supplier*

TORONTO, Ontario - May 26, 2021 - Inmotive, the inventor of the Ingear™ two-speed electric vehicle transmission, today announced it has received the results of a recently conducted, third-party efficiency test further validating that the Ingear is the world's most efficient two-speed EV transmission.

A Tier One automotive supplier conducted the efficiency testing at its facilities. After measuring both gears over a wide range of torque and speeds, test results show that the Ingear achieved more than 99% peak efficiency in low gear and nearly 98% while in high gear. The test was conducted on a full transmission, including a primary reduction gear, oil lubrication and all necessary bearings and seals.

Unlike the helical gear that it replaces, the Ingear has a large efficiency sweet spot, which includes all of the gear/torque/speed combinations used in a drive cycle such as WLTP. These third-party results validate Inmotive's own efficiency testing, which underpinned Inmotive's claims made when [launching the Ingear](#) in September 2020. They also further substantiate Inmotive's claim that a low cost Ingear will [extend a typical EV's range by more than 7%](#) (WLTP).

"The silent chain is the most efficient type of chain or belt available and can incur less friction than even the most efficient gears," said Anthony Wong, CTO of Inmotive. "And without the axial forces generated by the ubiquitous helical gears, we're able to use ball bearings instead of tapered roller bearings, saving substantial losses. Our clutchless shifting methodology is hyper-efficient as well, using only 740 Joules per shift cycle - the equivalent of six seconds of headlight usage."

"The test results of the Ingear two-speed transmission confirms that electric vehicles can have greater range than originally thought," said Paul Bottero, CEO of Inmotive. "EV designers can incorporate the low-cost Ingear to extend range and lower vehicle cost, while improving acceleration, towing capability and gradeability."

Full test results are available to qualified customers and industry partners under NDA.

#### **About Inmotive Inc.**

Inmotive is the Canadian based inventor of the Ingear, an ultra-efficient multi-speed powertrain technology for a wide range of applications. The Ingear extends electric vehicle range at very low additional cost and weight, while providing continuous torque during smooth shifts. Its highly reliable design also increases torque, acceleration, gradeability and top speed and is protected with 16 patents issued and 17 patents pending. Inmotive is headquartered in Toronto, Canada, with offices in India and China. More information is available at [www.inmotive.com](http://www.inmotive.com).

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