

**IMMEDIATE**

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## **Dana Accelerates Electrification of Underground Mining Vehicles with New High-Efficiency e-Powershift Transmission**

**LAS VEGAS, Sept. 13, 2021 — Dana Incorporated (NYSE: DAN) today debuted the new Spicer Electrified™ e-Powershift transmission, a modular and flexible two-speed solution that offers power take-off (PTO) functionality for electrified heavy-duty mining vehicles.**

**Delivering high efficiency and superior performance in a compact package that simplifies the mining industry's transition to electrification, the dual-motor version of the e-Powershift transmission supports continuous power outputs up to 322 horsepower (240 kW), while the single-motor configuration is engineered for 161 horsepower (120 kW) of continuous output.**

**Its flexible, power-dense design makes it ideal for a wide range of applications, including small- to medium-sized loaders and trucks used in underground mining, as well as construction wheel loaders, large lift trucks, and terminal tractors. The highly efficient dual-motor configuration shown at MINExpo delivers the optimal tractive effort in every duty cycle without torque interruption.**

**The Spicer Electrified e-Powershift transmission will be available for prototype testing by original-equipment manufacturers (OEMs) by the end of this year.**

**“For more than half a century, Dana has been a trusted top-tier supplier of drive systems that deliver superior performance for mining vehicles,” said Jeroen Decler, senior vice president, Off-Highway Drive and Motion Systems for Dana Incorporated. “The new e-Powershift transmission showcases how we are leveraging our comprehensive portfolio of electrification technologies to provide mining OEMs with complete solutions that can help accelerate their journeys to e-Mobility.”**

**The launch of the Spicer Electrified e-Powershift transmission demonstrates how Dana is rapidly and effectively developing market-ready solutions that can help streamline and accelerate the mining industry's transition to electrification.**

**It is equipped with Dana TM4® high-voltage motors from 350 to 800 volts to improve efficiency, reduce total package size, and provide redundancy as needed. The motors have delivered field-proven performance and durability for hundreds of thousands of hours in underground mining and other heavy-duty applications.**

**(more)**

The e-Powershift transmission offers highly efficient shifting through a patented wet clutch and synchronizer, and it can be configured with four-wheel-drive disconnect and a PTO that eliminates the need for an additional motor and inverter.

The system is an efficient turnkey solution, with drivetrain integration simplified through the use of a single APC transmission control unit. It uses proprietary software engineered to optimize machine operation through numerous drive and PTO modes, including hill-hold and functional safety readiness.

The e-Powershift transmission will be shown as part of a complete system that includes heavy-duty Spicer® axles engineered to withstand the most severe mining environments while offering superior braking power for reliability under full load conditions on all operating grades. The system also includes Spicer® driveshafts designed for longer life, minimal maintenance, and lower operating costs.

To learn more about all of Dana's traditional and electrified drive and motion systems for mining vehicles, visit booth S-24221 in the South Hall at MINExpo this week.

#### **About Dana Incorporated**

Dana is a leader in the design and manufacture of highly efficient propulsion and energy-management solutions for all mobility markets across the globe. The company's conventional and clean-energy solutions support nearly every vehicle manufacturer with drive and motion systems; electrodynamic technologies, including software and controls; and thermal, sealing, and digital solutions.

Based in Maumee, Ohio, USA, the company reported sales of \$7.1 billion in 2020 with 38,000 associates in 33 countries across six continents. Founded in 1904, Dana was named one of "America's Most Responsible Companies 2021" by *Newsweek* for its emphasis on sustainability and social responsibility. The company is driven by a high-performance culture that focuses on its people, which has earned it global recognition as a top employer, including "World's Best Employer" from *Forbes* magazine. Learn more at [dana.com](http://dana.com).

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