

Newsletter Article

Dana Highlights Comprehensive Portfolio at Bauma 2019

This year, at the Bauma construction trade show in Munich, Dana showcased its extensive portfolio of conventional and electrified drive and motion technologies, giving attendees a good look at how its solutions can enhance the productivity, efficiency, and mobility of vehicles. Among the technologies on display were the company's Spicer[®] Electrified[™] e-Axle (shown in collaboration with JLG Industries) and its Spicer TE50 powershift transmission, along with two construction machines for demonstration purposes.

The Spicer Electrified e-Axle highlights Dana's forward-thinking approach to electrified vehicle designs. Combining a number of Dana products in a modular package, the e-Axle improves the mechanical efficiency of the drive system and can accommodate both existing vehicle architectures, as well as the complete redesign of vehicles from the ground up. Plus, through enabling the use of a downsized battery system, the e-Axle extends working hours; enhances operating range; and improves noise, vibration, and harshness performance. The product, powered by an integrated SME[®] motor and inverter, was demonstrated via an electrified aerial work platform.

Powerfully designed for large underground mining and construction vehicles capable of 400 to 600 kW (544 to 816 horsepower), Dana also featured the new Spicer TE50 powershift transmission at Bauma. The Spicer TE50 transmission delivers improved fuel efficiency and vehicle handling, as well as optimized braking capabilities and smoother shifting. Engineered to fit current vehicle designs, it is offered with a four- or

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eight-speed gearbox and is available with advanced automatic lockup. The transmission also sports three heavy-duty, auxiliary pump drives.

About Dana Incorporated

Dana is a world leader in providing power-conveyance and energy-management solutions for vehicles and machinery. The company's portfolio improves the efficiency, performance, and sustainability of light vehicles, commercial vehicles, and off-highway equipment. From axles, driveshafts, and transmissions to electrodynamic, thermal, sealing, and digital solutions, the company enables the propulsion of conventional, hybrid, and electric-powered vehicles by supplying nearly every vehicle and engine manufacturer in the world. Founded in 1904, Dana employs more than 36,000 people who are committed to delivering long-term value to customers. Based in Maumee, Ohio, USA, and with locations in 33 countries across six continents, the company reported sales of \$8.1 billion in 2018. Having established a dynamic, high-performance culture, the company has been recognized globally as a top employer, with significant honors in Asia, India, Italy, Mexico, and the United States. Learn more at www.dana.com.

About Dana in the Aftermarket

Powered by recognized brands such as Dana®, Spicer®, Victor Reinz®, Glaser®, Magnum®, GWB®, Thompson®, TruCool®, SVL® and Transejes®, Dana delivers a broad range of aftermarket solutions – including genuine, all makes, and value lines– servicing passenger, commercial, and off-highway vehicles across the globe. Leveraged by a global network of 13 distribution centers, Dana's dedicated aftermarket team provides technical service, customer support, high fill rates, and on-time delivery to customers around the globe. For more information, please visit www.DanaAftermarket.com.

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