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How Can +Vantage Benefit Your EV Manufacturing?

This month we're focusing on the immense benefits which automation and integration bring to Electric Vehicle (EV) manufacturing. +Vantage is at the forefront of the elect revolution, empowering OEMs with the efficient processes they need to keep up with **rapidly climbing consumer demand**. Manufacturing electric vehicles—specifically the battery cells—is a complicated process, but one which can be automated.

Individual cells must be bonded through adhesives, but correct adhesive application requires intelligent dispensing systems. Similarly, battery cell stack reinforcement necessitates cold joining, self riveting processes. Each battery can require hundreds individual rivets, requiring intelligent machine vision driven assembly techniques. All these **manufacturing processes must be backed up by the latest inspection techniques**. This includes both 2D and 3D vision non-contact systems, as well as pressure and leak testing. Want to learn more? Read our blogs and download the +Vantage eBook today.

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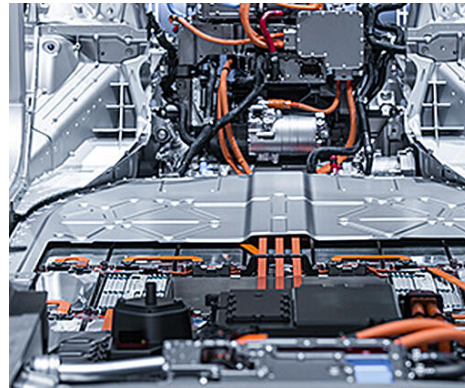
Headlines



Automotive Assembly: The Latest in Lightweighting

The automotive industry is rapidly moving towards more environmentally friendly offerings in conjunction with the acceleration of EVs. These materials include composites derived from natural plant fibers, which are both stronger and more cost effective than traditional materials.

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Electric Vehicle Fuel Cell Market Share to Surpass US \$10 Billion By 2030

EV fuel cell growth is being driven by strict norms for carbon emissions and a rapidly changing landscape providing opportunities for expanding into Polymer Electrolyte Membrane (PEM) technologies.

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Our Blog





How +Vantage Gives You the Edge in EV Manufacturing

+Vantage shows you how new advancements in automation systems empower EV manufacturing in the age of Industry 4.0.

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Machine Learning the Key to Indust 4.0

AI and deep learning algorithms empower Industry 4.0 through predictive maintenance, intelligent quality control, and supply chain analytics.

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3D Battery Inspection Automation Made Seamless

Download your FREE 3D Inspection Brochure and take a peek at what high accuracy metrology looks like.

Design, Develop, Build & Integration - Call Us Today.



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