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Press release

bdtronic wins another multi million euro project for trickling of hairpin stators

bdtronic, a globally active mechanical engineering company and process specialist based in Weikersheim, Germany, receives another big order in the field of e-mobility. The company will provide another trickle impregnation machine for electric motor production for one of the leading TIER1-suppliers worldwide ZF Friedrichshafen AG. The customer already uses bdtronic systems at different locations worldwide and is now ordering the next machine for the trickle impregnation of hairpin stators. The stators will be used for both front and rear wheel drive of an electric car from a European OEM.

“bdtronic is the global market leader for high-volume trickle impregnation machines for H/EV motors. Every second trickle-varnished stator of an e-car sold in Europa this year, has been produced on a bdtronic machine”, says Patrick Vandenhijn, CEO of bdtronic and Member of the Management Board of MAX automation. “We have established a longstanding and stable partnership with our customer ZF Friedrichshafen AG. Moreover bdtronic trickle impregnation machines are an important part of the change in e-mobility production. The clean process of trickle impregnation helps our customers to achieve their sustainability goals. The material consumption compared to other impregnation methods (e.g. dipping) can be reduced up to 30 percent. Not only is the material waste reduced to zero, also energy consumption and floor space are significantly lower and subsequent cleaning processes are not required.”

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The impregnation machine is designed for series production and ideally suited to the requirements of the automotive industry: it delivers high-quality and consistent impregnation results, has a space-saving concept, a fully automated handling, and offers maximum process control.

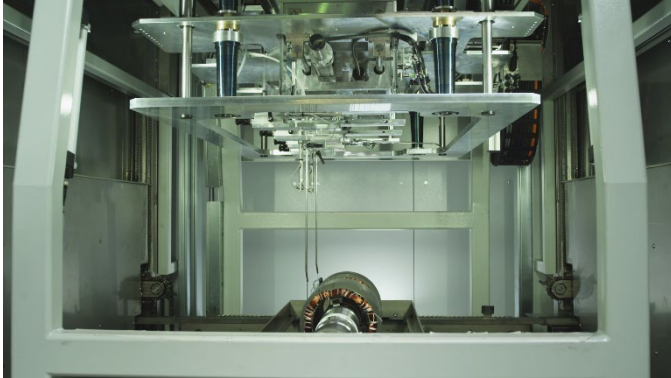
Since 2008, bdtronic has developed a special technology, which is needed to produce high efficient e-motors, namely impregnation. The company offers different machine concepts for impregnation of H/EV motors, especially with trickling process. The machines can process different kind of stators and impregnation resins, depending on the customer's needs. The company has built impregnation machines for OEM and Tier1- suppliers for the European, Asian, and North American markets.

bdtronic GmbH

With more than 4,000 installed machines, bdtronic is one of the world's leading machine manufacturers for Dispensing, Impregnation, Hot Riveting and Plasma Technology. bdtronic provides entire system solutions for assembly and production automation to all renown manufacturers in the automotive, electric and electronics industry, medical technology and renewable energy. bdtronic employs more than 400 people worldwide at eight subsidiaries in Europe, Asia and the Americas, including five production facilities in Germany, Italy and USA.

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Press picture:



Trickle module of the bdtronic impregnation machine.

Video:

bdtronic – Your partner in e-mobility

<https://www.youtube.com/watch?v=Nfv9giBYVdY&t=8s>

Watch a video of the world's largest and fastest impregnation plant

<https://youtu.be/nsbzJW30eUQ>

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