Custom Electric Motor Innovation: Dietz Electric?s Commitment to American Manufacturing

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MILWAUKEE, WI - January 23, 2025 -
Dietz Electric Co., Inc., a Milwaukee-based leader in electric motor solutions, reaffirms its dedication to American manufacturing through the innovation and production of custom electric motors. With over 70 years of experience, Dietz Electric continues to provide tailored motor solutions that meet the unique specifications of clients across various industries.

Specializing in electric motors, drives, and power transmissions, Dietz Electric offers full-service capabilities to a diverse clientele. The company's expertise in creating custom electric motors ensures that projects are completed on time, regardless of complexity. This commitment provides customers with peace of mind, knowing that even the most unusual requirements are met with precision and reliability.

Custom electric motors built in America are integral to numerous applications, including industrial equipment and machinery such as diesel trains, pumps, and compressors. In sectors like medical, construction, material handling, agriculture, HVAC, and food processing, original equipment manufacturers (OEMs) often require specialized motors to comply with stringent industry regulations. By offering custom solutions, Dietz Electric empowers OEMs to maintain control over the final product, ensuring optimal quality and performance.

Mark Henson, owner of Dietz Electric, emphasizes the company's role in supporting American manufacturing: "Our dedication to producing custom electric motors not only meets the specific needs of our clients but also strengthens the foundation of American industry. We take pride in delivering solutions that drive innovation and efficiency across various sectors."

Dietz Electric's custom motor design capabilities are extensive, allowing for the production of special motors in small quantities with rapid turnaround times. The company offers a range of specialized motors, including brake motors up to 500 HP with braking torques up to 1,000 lb-ft, high-altitude motors operable up to 15,000 feet above sea level, multi-speed motors with constant or variable torque, washdown duty motors suitable for any size or configuration, and explosion-proof motors for Division 1 and Division 2 hazardous locations.

In addition to these offerings, Dietz Electric provides a comprehensive list of modification capabilities to meet specific client needs. These modifications include anti-condensation heaters, auxiliary condulet/T-box, special bearings, insulated bearings, various flange options, centrifuge duty specifications, CE marking, Class H insulation, cooling tower specifications, custom paint or coating, division II explosion-proofing, double shafts, downsized frames, encoders, epoxy and fungus proofing, extended leads, flameproofing for Group A and B, 50 Hertz compatibility, high ambient temperature tolerance, high voltage up to 13.2 KV, IEC frames, labyrinth seals, inverter duty, lead lugs, low-speed motors, marine duty IEEE45 compliance, military specifications, Monel shafts, multi-speed configurations, NFPA 496 purged motors, non-standard voltages, oversized terminal boxes, part winding start precision balancing, regreasable bearings, round body designs, shaft grounding, modified shafts, slow speeds up to 30 poles, smoke extraction capabilities, synchronous motors, TEAO, TENV, thermistors, thermocouples, T.E. blower, tropicalization, TS short shaft modification, vertical orientation, washdown duty, and wound rotor designs.

By offering such a wide array of customization options, Dietz Electric ensures that each motor is precisely engineered to meet the specific demands of its intended application. This level of customization not only enhances performance but also contributes to cost savings through reduced assembly time, decreased labor needs during production, and fewer individual and purchased parts.

Mark Henson further states, "Our ability to provide highly customized motor solutions sets us apart in the industry. We understand that each client has unique requirements, and we are committed to delivering products that exceed expectations in terms of quality, performance, and reliability."

Dietz Electric's commitment to American manufacturing is also evident in its adherence to national and international standards. The company's engineering expertise is internationally recognized, and all repairs performed at Dietz meet or exceed the standards of the National Electrical Manufacturers Association (NEMA) Standard MG1, the Electrical Apparatus Service Association (EASA), and the Institute of Electrical

and Electronics Engineers (IEEE) Standard 112A.

This dedication to quality and compliance ensures that clients receive products that not only perform optimally but also meet the necessary safety and regulatory requirements. By maintaining such high standards, Dietz Electric reinforces its reputation as a trusted partner in the electric motor industry.

As industries continue to evolve and face new challenges, Dietz Electric remains at the forefront of innovation, providing solutions that drive progress and efficiency. The company's unwavering commitment to excellence and its focus on supporting American manufacturing make it a valuable asset to clients seeking reliable and customized electric motor solutions.

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Dietz Electric is an expert in electrical and mechanical repair, machine shop services, motor testing and electronic drive and controller repairs.

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