

A frameless torque motor, also known as a direct drive motor (DD motor), is a specialized type of permanent magnet motor that is delivered without a frame, housing, bearings, or a shaft.

A frameless motor is a direct drive torque motor that works on the same principle as any servo motor but usually has a larger diameter and applies torque to a shaft directly without any intervening ...

Moog's direct drive brushless frameless motors are designed to operate over a range of speeds for a wide variety of military, aerospace and industrial applications. Different applications require unique configurations of ...

Frameless motor kits fit simply into geared robotic joints, direct drive rotary stages, or actuator applications for efficient utilization of space. The Omni+ Series motors are designed to provide high torque density and ultra ...

Direct Drive Requirements in Robotics and Exoskeletons Robotics and exoskeleton systems increasingly rely on direct-drive architectures to improve precision, reliability, and user experience. Traditional ...

ThinGap's LS Series of slotless torquer motor kits provides smooth motion with zero cogging torque, large clear aperture, and is optimized for deep integration.

Everything you need to know about frameless motors, including how they work, how they compare to framed motors, their advantages & applications.

Key characteristics of each family of frameless brushless direct drive torque motors are summarized in the table below. Click the "Details" button to find technical files, including model specs, datasheets, CAD drawings, ...

Frameless torque motors are high-torque, direct-drive motors designed without a housing or shaft, providing exceptional flexibility for custom applications. These motors offer a unique approach to motion control, ...

Allient's frameless motors are designed to deliver exceptional torque and efficiency in a compact, customizable package. Engineered for seamless integration into equipment and systems, these motors provide precise ...

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