

TECHNOLOGY	INNOVATOR
Variable Torque Electrical Motor	Inventor North America

<p>TECHNOLOGY</p>	<p>OVERVIEW</p> <p>The Variable Torque Electrical Motor (VTEM) is designed to convert variable input electrical power into a varying output mechanical torque. The value of electrical power input to the device determines the specific value of the output mechanical torque.</p>
	<p>MAIN CHARACTERISTICS</p> <p>Description:</p> <p>The Variable Torque Electrical Motor (VTEM) is designed to convert input electrical power into a varying output mechanical torque. The VTEM is novel due to the fact that the VTEM can convert a changing electrical power into a changing mechanical torque because contemporary electrical motors only convert varying input electrical power into a varying output mechanical angular velocity (or, in other words, a constant mechanical torque). The VTEM is useful because it has all the efficiency of an electrical motor plus the ability to accelerate with minimal input power like that of a combustion engine. The VTEM uses a non-obvious and unknown physics theory to be able to achieve a varying output mechanical torque from varying input electrical power.</p> <p>Possible Applications:</p> <p>Farm machinery motor, Joint replacement with prosthesis joints, Robotic arm motor, Novel electrical motor for medical equipment, Source of three-dimensional motion, Vehicular engine, Marine Transport, Railway Transport.</p> <p>Competitive Advantage:</p> <p>The proposed technology has the efficiency of an electrical motor with the ability to accelerate with minimal input power like that of a combustion engine. The VTEM is inexpensive, has a high power-to-weight ratio, can be air-cooled, simple in design, easy to install, maintain and replace, and is relatively small in size.</p> <p>Development Stage:</p> <p>Research or Experimental</p> <p>Intellectual Property:</p> <p>No IP.</p>
<p>INNOVATOR</p>	<p>Organization consists of individual inventor who has earned a Bachelors of Science Degree in Electrical Engineering. After studying many facets of Electrical Engineering, Mechanical Engineering, Physics and Mathematics, inventor has been primarily working as a technician while inventing non-traditional propulsion devices.</p>