



Since 1983, Bental Industries Ltd. specializes in innovative power & motion technologies such as PM Brushless Motors, PMGs (Permanent Magnet Generators), Electronic Drivers & Controllers, Servo Actuators, Blowers and more. The company is the leading supplier in its field to Israel's MOD & defense industries and recognized world wide. The company's ability to tailor cutting edge products and innovative design to specific project requirements enables it to withstand the most challenging demands.

Housed Brushless Motors

The DC brushless (permanent magnet) Motors provide high torque with high velocity accuracy. Designed for long life and high reliability, the Motors meet the harshest environmental conditions. These innovative Motors are totally sealed and ensure long-life operation and when mated with a positioning controller, the Motors provide an accurate, dynamic response for demanding positioning systems. Various sizes and torque range available, 0.05 - 120Nm, and with optional special electric brakes and feedbacks.



Brush Motors

Bental's permanent magnet DC brush type servomotors provide high torque with high velocity accuracy. These Motors are designed according to tough environmental conditions and are totally sealed to ensure high reliability, long life and reliability. When mated with positioning controllers, they will provide an accurate, dynamic response for demanding positioning systems. Various sizes and torque range available, 0.12 - 26Nm.



Frameless Brushless Motors

These Motors are the perfect choice for servo applications and provide the ability to reduce size and weight. When mated with a positioning controller, the Motors provide an accurate, dynamic response for demanding positioning systems. Various sizes and torque range available, 0.05-120 Nm, and with optional special hall-effect feedback.



Rotary Servo Actuators

Bental's Rotary Servo Actuator (RSA) systems are developed with tactical UAV manufacturers in mind. The RSA systems are high performance, low-weight compact servo actuators used for various aviation and UAV applications. The systems include a motor, reduction gear, feedback sensor and electronic servo control & amplifier, all packed in a compact and yet robust casing.



Alternators & Starters

The line of brushless DC Alternators is based on rare earth magnet technology. The systems are capable of supplying very high power. The Alternator family is designed to serve the challenging aerospace and other defense applications. Bental's Systems are comprised of the Alternator and GCU (Generator Control Unit).



Blowers

The DC brush and brushless Blowers are based on high energy Samarium Cobalt magnet technology. The Blowers are capable of operating in harsh environmental conditions and feature extra long life.



Propulsion Motors

Bental's permanent magnet brushless Propulsion Motors are compact, lightweight and efficient, designed to serve as the main UAV propulsion. These motors are designed for long life and high reliability. They are sealed to ensure high endurance in harsh environmental conditions.

