

Your Most Demanding Applications Require Customized Magnet Performance—Just What EEC Delivers

We are specialists in rare earth magnets and magnet systems, with more than 40 years' continuous experience producing samarium cobalt magnets in the US. We provide innovative and customized solutions for precise technical challenges, and strive to provide creative solutions to our customers in order to foster lasting partnerships.

Rare Earth Magnet Applications

EEC rare earth magnets are regularly used in the sophisticated, performance-critical components of advanced technology systems.

TRAVELING WAVE TUBES, KLYSTRONS AND MAGNETRONS

These products amplify signals at microwave frequencies for high-performing radar, communications and electronic countermeasure systems.

CIRCULATORS AND ISOLATORS

These products provide non-reciprocal transmission paths for microwave signals.

ACCELEROMETERS AND GYROSCOPES

These inertial devices are used primarily in aircraft, marine vessels and spacecraft navigation and control systems.

MOTORS, GENERATORS AND ACTUATORS

The military, commercial aviation and aerospace applications require magnetic materials which provide greater stability, lower weight and higher temperature performance.

REACTION AND MOMENTUM WHEELS

Our products help power special motors used for spacecraft orientation and energy storage.

MEDICAL AND SURGICAL DEVICES

US-made EEC magnets are integral to tools used by surgeons for drilling and grinding. Other applications include advanced imaging systems and respiratory systems.

We Manufacture Magnet Assemblies in Accordance to Your Specifications

Using EEC's design service early in your development stage ensures an optimum magnetic design in a robust, cost-effective configuration. EEC value-added magnet assemblies present a strategic and competitive advantage by offering total product solutions.

Our Products Are Fully Compliant

When it comes to products that must be US DOD specialty metals source restriction compliant (as required by DFARS), we've got you fully covered. As a proud provider of defense articles, EEC is DDTC registered and fully compliant with the ITAR.



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