



CUSTOM DC MOTORS & GEARMOTORS

LEESON is a leading manufacturer of application specific "customerized" motors and gearmotors. In fact, the majority of LEESON's permanent magnet DC motor production is of motors and gearmotors tailored to meet specific customer needs and wants. Reasonable production lots combined with LEESON's DIT™ (Delivery In Time) Program can time shipments to meet your production schedule needs.

To a greater degree than with AC motor applications, the precise matching of a DC motor or gearmotor to an application can result in enhanced performance, lower purchase cost and long life in the application. This is especially true of intermittent duty DC low voltage powered applications.

Using LEESON's industry unique, customer-focused, **Motor Design Center** located in Grafton, experienced motor application, design

and production engineers can collaborate with your product engineers to develop a fast track DC motor prototype. Dimensional and performance data is usually available by the end of the first work session allowing your design efforts to continue. A sample motor is then produced to confirm the team's design effort. This resource is available to LEESON's existing and prospective OEM customers on request.

Our Gear Systems Division manufactures LEESON's stock gearmotors listed in this catalog and a variety of highly "customerized" gearmotors for a variety of applications. In-house gear design, technical support and manufacturing facilities are well suited to modification of existing gearmotors or the design of a 100% tailored solution to your specific application.



CUSTOM AC MOTORS

SPECIAL MECHANICAL & ELECTRICAL FEATURES



CUSTOM AC MOTORS

What you see here is only a sampling of our capability in the area of special motors based on NEMA frames. They're a very big part of our business. We've filled thousands of orders for specials at an economical cost by utilizing standard components. We can quickly produce 25 motors or 10,000 motors to meet your needs: special shafts, special torques, special plugs and cords, special paints, whatever. And, if we can't meet your requirements with standard components, no problem. We'll develop, design and tool the parts needed to meet almost any special design requirement.

LEESON is big enough to give you quality, quantity, and a competitive price; yet small enough to respond quickly and efficiently. That's why industry has looked more and more to LEESON as a prime source for a wide range of standard and special motors...motors that meet the same high standards that our customers build into their own products.

While it's true, LEESON cannot be all things to all customers, we are flexible and invite your inquiries. We'll give you more than just another motor...you'll get a company committed to complete customer satisfaction.



NEMA JM pump motor with chemical resistant epoxy paint.

NEMA C face, custom shaft motor with chemical resistant finish.

Chrome-plated motor for commercial carpet cleaning machine.

Metal working machinery motor with switch, cord and plug.

Explosion proof, NEMA C face motor for use in Class I, Group C hazardous atmospheres containing diethyl ether.

Resilient mounted fan and blower motor for heating and ventilating systems.

AC motor with spline shaft, needle bearing and one-half of gear pump.

Small diameter, time-rated, NEMA 42 frame 1 HP motor with hydraulic pump mounting for scissor table.

Fan and blower motor, single phase "switchless" with extended through bolts and shaft for poultry house ventilation system.

Brushless, DC motor with special shaft and face for blood analysis equipment.

Partial motor with special shaft used on metering pumps.

Sub-fractional HP three phase motor for industrial analysis equipment.

MOTOR PARTS

LEESON also supplies AC single and three phase components for incorporation into customer machinery.

