

Empire Magnetics Inc.
Motors That Survive

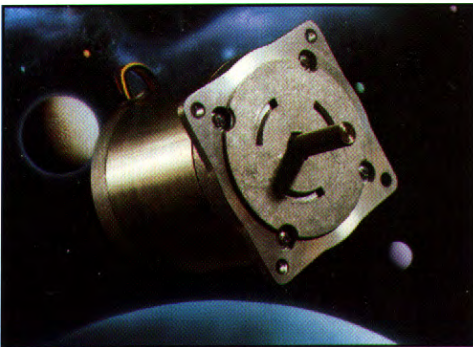
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*“Getting the RIGHT information to the
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Empire Magnetics ... Our Products Survive in ANY Environment!

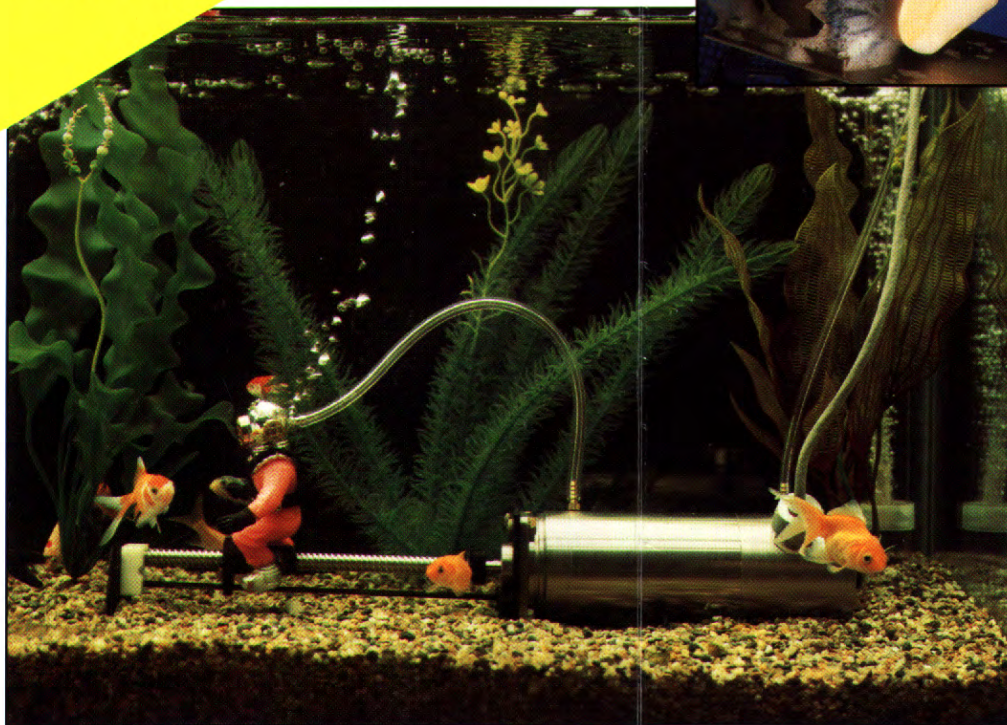
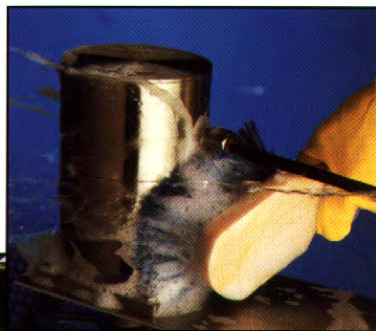


VACUUM ENVIRONMENTS

Empire Magnetics supplies a series of products that operate in vacuum. Successful applications include: semiconductor manufacturing equipment, E-beam microscopes, satellite testing, space based equipment, beam line equipment, deposition equipment, observatories and more.

HAZARDOUS ENVIRONMENTS

Automating an industrial process is a complex problem when combustible vapors or dust are present in the work environment. Empire Magnetics' PT Series step motors are sealed and equipped with air fittings for pressurization. These motors are commonly used in spray painting, printing, flour mills, fuel processing, alcohol production, chemical processing and rocket fuel machining applications.



WATERPROOF ENVIRONMENTS

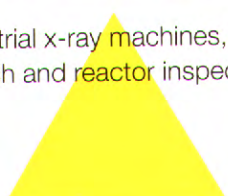
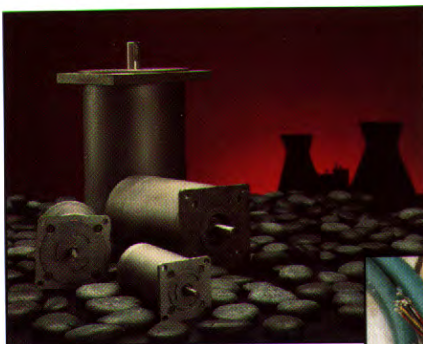
Our waterproof series was designed to address corrosion problems and the sealing of rotating shafts and other fluid entry points. Typical applications include: drug manufacturing, food processing, machine tools, marine submersion, paper making, film processing and chemical manufacturing.



Go online for product information!
www.empiremagnetics.com

RADIATION ENVIRONMENTS

Our radiation hardened products combine the best available radiation resistant materials to provide motors with the longest possible service line in a radiation environment. Typical applications include: Three Mile Island cleanup, reprocessing fuel rods, industrial x-ray machines, physical science research and reactor inspections.

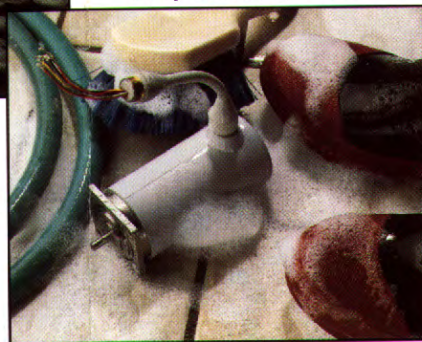


CRYOGENIC ENVIRONMENTS

Cryogenic temperatures (tested at 20 Kelvin) call for motors designed with materials carefully selected for compatible thermal expansion characteristics and resistance to brittleness.

WASHDOWN ENVIRONMENTS

Food processing and drug manufacturing equipment which must be washed for sanitary reasons, add requirements besides waterproofing of the equipment. Washdown equipment must be easy to clean, with a minimum of cracks and



crevices to support bacterial growth. Choose our Rubber Duck or Stainless products for genetic research, pharmaceuticals, food processing, dairy breweries and packaging applications.

EMPIRE MAGNETICS provides quality motor products designed to perform in environments and applications where ordinary motors are unsuitable. Custom systems and modifications are available upon request.

- ▶ **Stepper Motors**
- ▶ **Servo Motors**
- ▶ **Jumbo Stepper Motors**
- ▶ **Gearboxes**
- ▶ **Resolvers**
- ▶ **Stand Alone Resolvers**
- ▶ **Brakes**
- ▶ **Rotor Nuts**
- ▶ **Encoders**
- ▶ **Turnkey Projects**
- ▶ **Repair Services**

*For more information,
give us a call or check out our website.*

Empire Magnetics Inc.

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www.empiremagnetics.com

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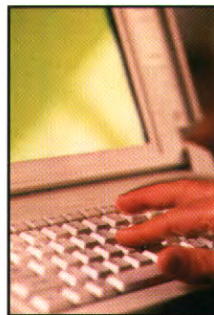
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