Integral Partner for the Development of REVOLUTIONARY TECHNOLOGIES

Arnold Magnetic Technologies

FUSION & PARTICLE PHYSICS

Trusted Supplier to the Scientific Community

As a member of the Fusion Industry Association and a trusted supplier and development partner to multiple fusion project teams, Arnold is committed to providing the highest quality materials and components for your fusion reactor projects. With products ranging from rare earth permanent magnets, magnet assemblies, electromagnets, flexible neodymium magnets, to ultra-thin precision thin metals as thin as two microns, we have the expertise and capabilities to meet your unique needs.

Arnold's products have been trusted by some of the world's most renowned scientific organizations including NASA, CERN and other research organizations. With Arnold you're partnering with a company that has an unrivaled knowledge of magnetic materials and processes and a valued history in the scientific energy and space sector.

Our rare earth magnets and magnet assemblies are engineered for high energy density, precise magnetic and dimensional properties, and optimal performance in demanding environments. Our electromagnets are custom-designed to meet specific application requirements, with a range of coil configurations, shapes, and sizes available. Our flexible neodymium magnets are ideal for complex shapes and configurations including spiral and coil-encasing applications. Our ultra-thin precision thin metals offer unparalleled strength, durability, and corrosion resistance.

When you choose Arnold for your fusion reactor or particle physics project needs, you can trust that you will receive expert collaboration and the highest quality materials and components. Contact us today to learn more about how we can support your project requirements and help you achieve your fusion development goals.

Magnetic Materials

RECOMA® Samarium Cobalt, Grades 18-35E
Neodymium-Iron-Boron Magnets
Alnico Magnets
Laminated Magnets
Flexible Neo Composite Strips & Extrusions

Electromagnetics

Solenoid Fabrication & Repair
Dipoles & Quadrupoles
Bobbin Wound Coils

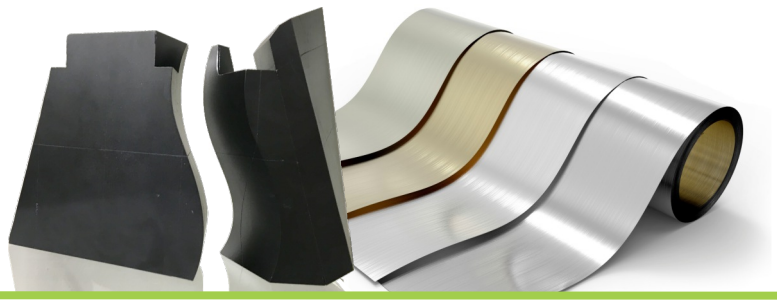
Assemblies

Simple & Complex Magnetic Assemblies
High Speed Rotors, Stators & full Motors

Ultra-Thin Gauge Materials

Tungsten	Titanium	Vanadium
Copper	Gold	Molybdenum

Grain & Non-Grain Oriented Silicon Steel
Nickel Irons and Soft Magnetics:
- Nickel/Chromium Alloys
- Nickel/Chromium/Molybdenum Alloys



ARNOLD MAGNETIC TECHNOLOGIES | US: 800.593.9127 infoNA@arnoldmagnetics.com | arnoldmagnetics.com
UK: (+44) (0) 1909 772021 infoUK@arnoldmagnetics.com | CH: (+41) (0) 56 464 21 00 infoEU@arnoldmagnetics.com

ARNOLD® MAGNETIC TECHNOLOGIES
ENGINEERING SOLUTIONS TOGETHER

Applications

Magnetic Confinement Fusion Systems

Laser-driven Inertial Confinement Fusion

Compact Fusion Devices

Particle Accelerators

Synchrotrons

Target Materials for Particle Accelerators

Particle Detectors

Magnetic Particle Separation

Superconducting Magnets

Plasma-facing Components

Ion Thrusters

Magnetic Field Mapping - NMR & MRI

Superpermeable Metal Foil Pumps

Radiation Detectors

Vacuum Windows

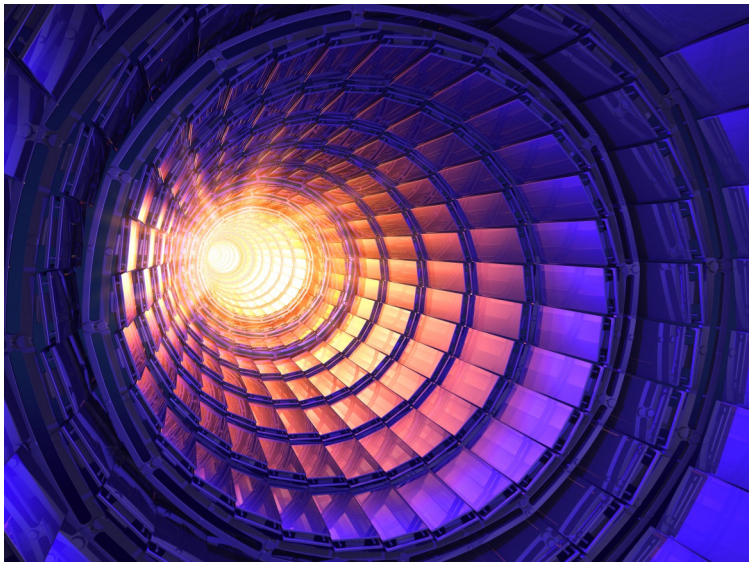
Magnetic Nozzles of Fusion Rocket Engines

Beam Manipulation & Measurement:

- Beam Focusing
- Beam Profile Monitors
- Beam Separating
- Beam Sterilization
- Beam Targeting

Learn more at arnoldmagnetics.com or call us and speak with our engineers about your needs.

Our Team is dedicated to engineering solutions together with you.



At Arnold, we understand the importance of using the highest quality materials in fusion reactor and particle physics projects. We work closely with our customers to understand their specific project requirements and provide custom solutions that meet or exceed their expectations. Our commitment to quality ensures that our customers receive materials and components that will perform at the highest level.

Working with Arnold ensures access to a secure and reliable supply chain, able to scale with your project goals.

As demonstrated through our quality processes and certifications, Arnold customers are accustomed to receiving the highest quality materials, consistently and quickly.

Certs & Lists

ISO 9001:2015
AS 9100 Rev D

Nadcap Administered by PRI ACCREDITED HEAT TREATING

Arnold is a US-based corporation which is ITAR registered with the U.S. Dept. of State. We take pride in complying with applicable government requirements throughout our organization.

MADE IN U.S.A. · ITAR Compliant International Traffic In Arms Regulations · DFAR

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