

Advanced Energy

Fuel Cells, Batteries & Energy Storage

- Expanded graphite is the most corrosion resistant, thermally conductive component material for use in fuel cells, batteries and other energy storage applications.
- Expanded graphite enables much lighter and thinner application flexibility compared to traditional materials.

Solar Power

- Advanced graphite and insulation materials provide the purity, strength and tolerance to optimize performance for polysilicon production and crystal growing.

Nuclear

- GrafTech has developed stable materials through extensive industry experience. The nuclear industry can depend on these materials to moderate nuclear reactions and handle nuclear fuels

Energy Utilization

Steel Manufacturing

- GrafTech graphite electrodes increase steel output by minimizing losses and allowing higher currents which result in increased productivity and less downtime.

Consumer Electronics

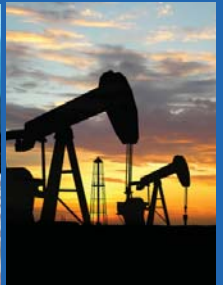
- Graphite thermal management products solve today's comfort and performance issues facing many leading next generation consumer electronics manufacturers.

Aerospace & Defense Applications

- In the most demanding applications, graphite composites are more advanced, precise, durable and lightweight, less expensive and easier to use than other materials.

Oil Exploration

- Graphite is used to process cutting edge diamond drill bits for use in oil and gas exploration.



Advanced Materials for Advanced Energy

STRENGTH IN OUR INNOVATION

GrafTech International has led the industry in graphite scientific research for more than 40 years, constantly developing new products to meet changing market needs. GrafTech has been recognized with six R&D 100 awards given for the most technologically significant new products commercialized during the award year. Backed by a world-class team of scientists, engineers and researchers, GrafTech is committed to the discovery, development and implementation of cutting edge, green technologies.

2009 GrafHX™ Flexible Heat Exchangers

2007 GRAFCELL® Flow Field Plates

2006 GRAFOAM® Carbon Foam

2005 Apollo™ & Zeus Electrode

2004 eGRAF® SPREADERSHIELD™ Heat Spreaders

2003 eGRAF® Heat Sink Material



STRENGTH IN OUR COMPANY

GrafTech International is one of the world's largest manufacturers of graphite and carbon based products, with customers in 80 countries. Our products include graphite electrodes which are essential for the operation of electric arc furnaces, thermal management materials for electronics, graphite and insulation materials used in the solar, oil and gas, transportation and other industrial markets.

For additional information

- Call +1-216-676-2000
- Visit www.graftech.com



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www.graftech.com
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