

Outline of “The Global Permanent Magnet Industry 2010-2020”

1.0 2005-2020 Permanent Magnet Production Statistics and Forecast

- By Type
- By Region
- In Tonnage and Dollars

2.0 Current and Future Applications and Technologies

- Computer Hard Drives
- Industrial Motors
- Automotive Motors
- Hybrid & Electric Vehicles
- Electric Bicycles
- Appliances & HVAC
- Loudspeakers
- Wind Turbines
- Sensors
- MRI
- Magnetic Separation
- Consumer Electronics
- Advertising & Promotional Products
- Magnetic Levitation Systems
- Magnetic Braking Systems
- Military & Aerospace
- Reprographics
- Magnetic Refrigeration
- Energy Storage Systems
- Miscellaneous/Other

3.0 China’s Current and Future Influence on the Magnet Industry

4.0 Review and Update of Major Magnet Industry Patents

- Hard Ferrite
- NdFeB
- Other

5.0 Raw Material Issues Impacting the Magnet Industry

- Iron Oxide
- Cobalt
- Rare Earth Oxides

6.0 Human Resources Issues Confronting the Magnetics Community

7.0 Review of Current University Magnet Research Initiatives

- Ames Laboratory (Iowa State)
- University of Birmingham
- University of Dayton
- University of Delaware
- IFW Dresden
- National Institute of Materials Science
- Northeastern University
- Southwest Institute of Applied Magnetics
- University of Texas at Arlington
- Trinity College (University of Dublin)
- Technical University of Vienna

8.0 Magnet Industry Associations

9.0 Global Directory of Magnet Producers, Distributors and Fabricators

- By Geographic Region
- Detailed Contact Information
- Business Description
- Over 470 Total Companies

10.0 Global Directory of Magnetic Powder Producers

11.0 Global Directory of Magnetic Industry Service Providers

- Measurement Equipment
- Magnetic Design Software
- Consultants
- Industry Publications

12.0 Appendices

- Basics of Magnetism
- Automotive Applications
- The Chinese Magnet Industry
- What Rare Earth Crisis?
- Global Rare Earth Update
- Hitachi Patent Summary
- Magnequench Patent Summary
- China’s Rare Earth Industry