



USA | Rare Earth

The Preferred Supplier of Rare Earth Magnets

Quality Management System – Manual



Quality Policy

*Earn customer satisfaction by providing
Quality, Delivery, and Service, that exceed
expectations and continuously improve.*

Company Background

USA Rare Earth (USARE) aspires to be a fully integrated Mine to Magnet supplier of Sintered Neo Magnets. With mining operations at Texas Round Top, in West Texas and a manufacturing facility in Stillwater, Oklahoma, USARE can serve a diverse range of rapidly expanding industries, including defense, robotics, electric vehicles, wind power, appliances, cordless tools, and even computing and semiconductors. Utilizing its operating Innovations Lab, USARE collaborates with customers to develop high-quality magnets tailored to their specific requirements. USARE is committed to securing onshore rare earth metal manufacturing capabilities over the long term, either in partnership or independently as necessary. USARE's unique Round Top deposit in West Texas holds 15 of the 17 rare earth elements, including all heavy rare earth elements, along with other high-tech metals such as gallium, hafnium, zirconium, beryllium, and lithium.

This Quality Manual describes the QMS in effect at the USARE Stillwater facility, covering manufacturing and other support processes utilized to produce Rare Earth Neodymium Magnets for its customers.

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1.0 Quality Management System

1.1 Scope: USA Rare Earth - Stillwater Quality System covers product realization of build to specification magnets and the manufacturing of Neo magnets delivered to its customers.

1.2 Quality Objectives: Selected to drive Continuous Improvement and summarized on (QA-4-015).

2.0 References

2.1 AS 9100:2016 Quality Management System Requirements

3.0 Definitions

3.1 Rare Earth: Rare earth elements (REE) are a set of seventeen metallic elements.

3.2 Rare Earth Magnets : A strong permanent magnet made from alloys of rare-earth elements.

3.3 Neodymium Magnets: Also known as NdFeB magnets, the strongest permanent magnets known.

4.0 Context of the Organization

- 4.1 Understanding the organization and its context
- 4.2 Understanding the needs and expectations of interested parties
- 4.3 Determining the scope of the quality management system
- 4.4 Quality management system and its processes

5.0 Leadership

- 5.1 Leadership and commitment
 - 5.1.1 General
 - 5.1.2 Customer Focus
- 5.2 Policy
 - 5.2.1 Establishing the quality policy
 - 5.2.2 Communicating the quality policy
- 5.3 Organizational roles, responsibilities and authorities

6.0 Planning

- 6.1 Actions to address risks and opportunities
- 6.2 Quality objectives and planning to achieve them
- 6.3 Planning of changes

7.0 Support

- 7.1 Resources
 - 7.1.1 General
 - 7.1.2 People
 - 7.1.3 Infrastructure
 - 7.1.4 Environment for the operation of processes
 - 7.1.5 Monitoring and measuring resources
 - 7.1.6 Organizational knowledge
- 7.2 Competence
- 7.3 Awareness
- 7.4 Communication
- 7.5 Documented information
 - 7.5.1 General
 - 7.5.2 Creating and updating
 - 7.5.3 Control of documented information

8.0 Operation

- 8.1 Operational planning and control
 - 8.1.1 Operational Risk Management
 - 8.1.2 Configuration Management
 - 8.1.3 Product Safety
 - 8.1.4 Prevention of Counterfeit Parts
- 8.2 Requirements for products and services
 - 8.2.1 Customer communication
 - 8.2.2 Determining the requirements for products and services
 - 8.2.3 Review of the requirements for products and services
 - 8.2.4 Changes to requirements for products and services
- 8.3 Design and development (**Exclusion—Customers are responsible for product design requirements**)
- 8.4 Control of externally provided processes, products and services
 - 8.4.1 General
 - 8.4.2 Type and extent of control
 - 8.4.3 Information for external providers



8.7 Control of nonconforming outputs

9.3.3 Management review outputs

10.3 Continual improvement

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