

1.0) QUALITY CONTROL DEPARTMENT

- 1.1) The Quality Control department is located in three temperature controlled areas of approximately 1000 total square feet.
- 1.2) The following equipment is dedicated to the Quality Control department

Magnetic Inspection

- Permeameters
- Gaussmeters
- Fluxmeters
- Pumphandle testing devices
- Magnetizers
- Stabilizing Coils
- Residualmeter
- Helmholtz Coil

Physical Inspection

- Coordinate Measuring Machine
- Sheffield Gauges
- Optical Comparator
- Roller Micrometer
- Other Micrometers
- Dial Indicators
- Pin Micrometers
- Depth Micrometers
- Granite Bench with centers
- Penetrant Inspection
- Height Gauges
- Scales
- Gage Blocks
- X/Y, X/T Plotters
- Calipers

2.0) ANALYTICAL LABORATORY

- 2.1) The analytical laboratory is located adjacent to the office area. It is a concrete block and glass enclosure of approximately 300 square feet divided into a preparation area and an equipment area. Filtered and temperature controlled air is provided to the equipment area.
- 2.2) The following equipment is in the analytical laboratory.

Instrument Area

- Leco Carbon Determinator
- Mettler Micro Balance

Preparation Area

- Suitable Reagents
- Fume Hood
- Buehler Polishing Equipment

3.0) METALLOGRAPHIC LABORATORY

- 3.1) The Metallographic laboratory shares portions of two areas. The polishing equipment is located in the preparation area of the analytical laboratory and the metallograph is located in the research area of the rare-earth magnet department.
- 3.2) The following equipment is dedicated to the metallographic laboratory.
 - Neophot 21 Metallograph
 - Buehler Polishing Equipment