



For Over 60 Years, The MuShield Company Has Been an Industry Leader in Producing Custom DC and Low Frequency Magnetic Shields for Electronic Components.

These shields can be found in the medical, aerospace and defense fields, to name a few. Our talented sales team and experienced engineers will work directly with you to help produce the custom magnetic shields that fit your needs. The MuShield Advantage is one of experience, knowledge and customer-centric practices. Our extensive engineering experience allows us to contribute to the design process if required. Our experience can help determine which materials and manufacturing methods will be most efficient and of highest quality.

MANUFACTURING CAPABILITIES

- Conventional Sheet Metal Fabrication
- 5-Axis Laser Cutting & Trimming
- CNC Machining & Turning
- Hydroforming – Deep Draw
- Hydrogen Annealing
- Laser Welding
- Rolling
- Rotary TIG Welding
- Spinning
- Spot Welding
- Stamping
- TIG Welding
- Tooling Manufacturing
- Turret Punching

CONSULTING & ENGINEERING SERVICES

- Magnetic Shielding Design
- Design for Manufacturing Efficiencies – All Alloys
- Special Process Development

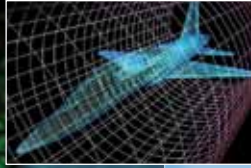
QUALITY CAPABILITIES

- ISO 9001: 2008 Registered
- Conventional Metrology Equipment
- Magnetic Shielding Attenuation Testing
- Mitutoyo QSL-1020Z Vision System
- Sheffield Discovery III D-8 CMM
- Vacuum Leak Checking

MATERIALS WE WORK WITH

- **Magnetic Shielding Alloys**
 - Materials per spec ASTM A753 AKA MuMetal – Alloys 1-4
 - Cryoperm® 10
 - Hipercr® 50
 - Low Carbon Steel
 - Nickel Iron Alloys
 - Silicon Irons
- **Other Industry Alloys**
 - Aluminum and Aluminum Alloys
 - Brass
 - Copper
 - Hastelloy®
 - High Temperature Alloys
 - Inconel
 - Low Carbon Steel
 - Stainless Steel
 - Tantalum





If you plan to manufacture your own shielding, we can supply you with high, medium and low permeability MuShield stock in sheets, coils, rod, wire and flat bar form. All stock comes in a temper suitable for stamping, punching, bending, machining and welding. Once you have finished fabrication or manufacturing of your magnetic shield, MuShield can anneal the shields to restore all magnetic properties.

MATERIALS PER SPEC ASTM A753 can be offered in the following forms

• **Sheets start at either 24" or 30" wide (based on availability) x 120" long. We have the capabilities to cut to your custom blank size.**

• **Sheet Thicknesses available**

- .010"
- .014"
- .020"
- .025"
- .030"
- .040"
- .050"
- .062"
- .125"

◦ Custom thicknesses available upon request.

• **Coils start at either 12" or 15" wide (based on availability) and can be cut to whatever length you require.**

• **Coil Thicknesses In Stock**

- .002"
- .004"
- .006"
- .010"

• **Seamless Tubing (MuMetal IAW ASTM A753 Alloy Type 3)**

◦ Diameters and lengths based on your custom needs. Please contact sales for pricing.

• **Round Bar**

- Standard Diameters available
 - .250"
 - .500"
 - 1.00"
 - 1.50"
 - 1.88"

◦ Custom Diameters available upon request. Please contact sales for pricing.

• **Flat Bar**

◦ Custom Diameters available upon request. Please contact sales for pricing.

• **Wire**

◦ Custom Diameters available upon request. Please contact sales for pricing.

