MuShield®

AS:9100D | ISO 9001:2015 Certified | ITAR Registered Company

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 skilled 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 allows us to contribute to the design process if required. Our process 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 Efficiences - All Alloys

Special Process Development

MuShield®

MADE IN U. S. A.

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 We Work With

- Magnetic Shielding Alloys
- Materials per spec ASTM A753 AKA mumetal - Alloys 1-4
- Cryoperm® 10
- Hiperco® 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

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 your custom blank size.

Sheet Thicknesses available

.010"	.025"	.050"
.014"	.030"	.062"
.020"	.040"	.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"	.006"	.014"
.004"	.010"	

Custom thicknesses available upon request.

Seamless Tubing (mumetal IAW ASTM A753 Alloy Type 3)
Diameters and lengths based on your custom needs.

Round Bar **Standard Diameters available**

.250"	1.00"	1.88"
.500"	1.50"	

Custom Diameters available upon request.

Flat Bar

Custom Diameters available upon request

Wire

Custom Diameters available upon request

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