

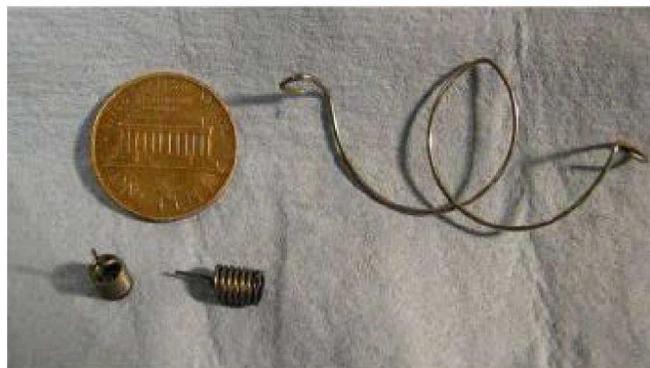


Menu



# ABBOTT SERVICE COMPANY

## Wire Forming Services



**Exhibit  
3692**  
State of Minnesota v. 3M Co.,  
Court File No. 27-CV-10-28862

At Abbott Service Company, we fabricate custom wire forms of any size, shape, and complexity.

Our facility is equipped with all the machinery needed to create close tolerance springs and other types of wire forms. We produce compression, extension, flat, torsion, and spiral power springs from wire with diameter as small as 0.010" and up. Using powerful software tools, we can specify simple and compound bend sequences to produce items like spring clips, hooks, wire mesh, terminals, and other specialty shapes for an almost limitless number of applications.

Materials of construction include all types of flat or rounded metal wire, including steel, high strength alloys, music wire, bronze, exotics, and more. We create flattened, pierced, eared, or notched configurations with spherical, conical, pointed, or chamfered ends. We also offer individual tube parts as well as complete tube assemblies.

As a full-service manufacturer, we offer deburring and grit blasting to remove surface contaminants and improve the appearance of your wire form. We also offer numerous other finishing options. In addition to heat-treating and stress relieving, we can paint, powder coat, plate, or polish your wire forms to achieve the desired appearance and performance properties.

Our production operations are very flexible and adhere to many industry standards. We can manage small orders as well as those that involve millions of pieces on an ongoing basis. Family owned and operated, we operate with a high level of integrity and commitment to our customers, as our reputation rests on the quality of every wire formed product we ship.

To learn more about our wire forming capabilities, contact us directly.

### **SPECIFICATIONS:**

**Fabrication Process:**

- Bending / Forming
- Cutting
- De-burring
- Flattening
- Grit –blasting
- Straightening
- Tight Cutting tolerance



Welded Assemblies

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**Machining Capabilities:**

Chamfer  
Grind  
Pierce  
Swage

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**Configuration:**

Eared  
Flattened  
Notched  
Pierced

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**End Type:**

Chamfered  
Conical  
Pointed  
Spherical

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**Materials:**

Alloy Steels  
Aluminum  
Brass  
Bronze Alloys  
Carbon Steel  
Copper  
Flat spring steel  
Iron  
Lead  
Magnesium  
Molybdenum  
Music  
Nickel  
Nitinol  
Safety/ lock  
Spring  
Stainless Steel  
Stellite (Hardfacing)  
Tin  
Titanium  
Tungsten

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**Finish:**

Anodizing

Electropolish  
Enamel  
Galvanized  
Heat Treating  
Painted  
Passivate  
Plated  
Powder Coating  
Shot Peen  
Stress Relieving  
Tumbling

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**Width:** Material Dependent

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**Length:** Material Dependent

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**Thickness:** Material Dependent

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**Diameter:** Material Dependent

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**Production Volume:** High Volume  
Large Run  
Large Scale Production Volume Run  
Long Run  
Low Volume  
Prototype  
Small Run  
Specialty Production Shop

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**Wire Form Products:** Appliances  
Baskets  
Clips  
Cotter Pins  
Display Racks  
Fan Guards  
Filters  
Hooks  
Links  
Prototypes  
Racks

Rings  
Shapes  
Shelving  
Specialty Pins  
Springs  
Terminals  
Topiary  
Wire Mesh  
Wire Racks

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**ADDITIONAL INFORMATION:**

**Industry** Aerospace  
**Focus:** Agricultural  
Automotive  
  
Display/ point of sale/ sign stakes Furniture  
Lighting  
  
Medical  
Military  
  
Recreation  
  
Sporting

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**Industry** American National Standards Institute (ANSI)  
**Standards:** American Society of Mechanical Engineers (ASME)  
American Society for Testing and Materials (ASTM)  
American Welding Society (AWS).DFARS – Defense Federal Acquisition  
Regulation Supplement  
Department of Transportation (DOT)  
Food And Drug Administration (FDA)  
Military Specifications (Mil-Spec)  
Society of Automotive Engineers (SAE)  
Restriction Of Hazardous Substances (Compliant) (RoHS)  
QS is a Quality Standard developed by the Automotive Industries (QS)

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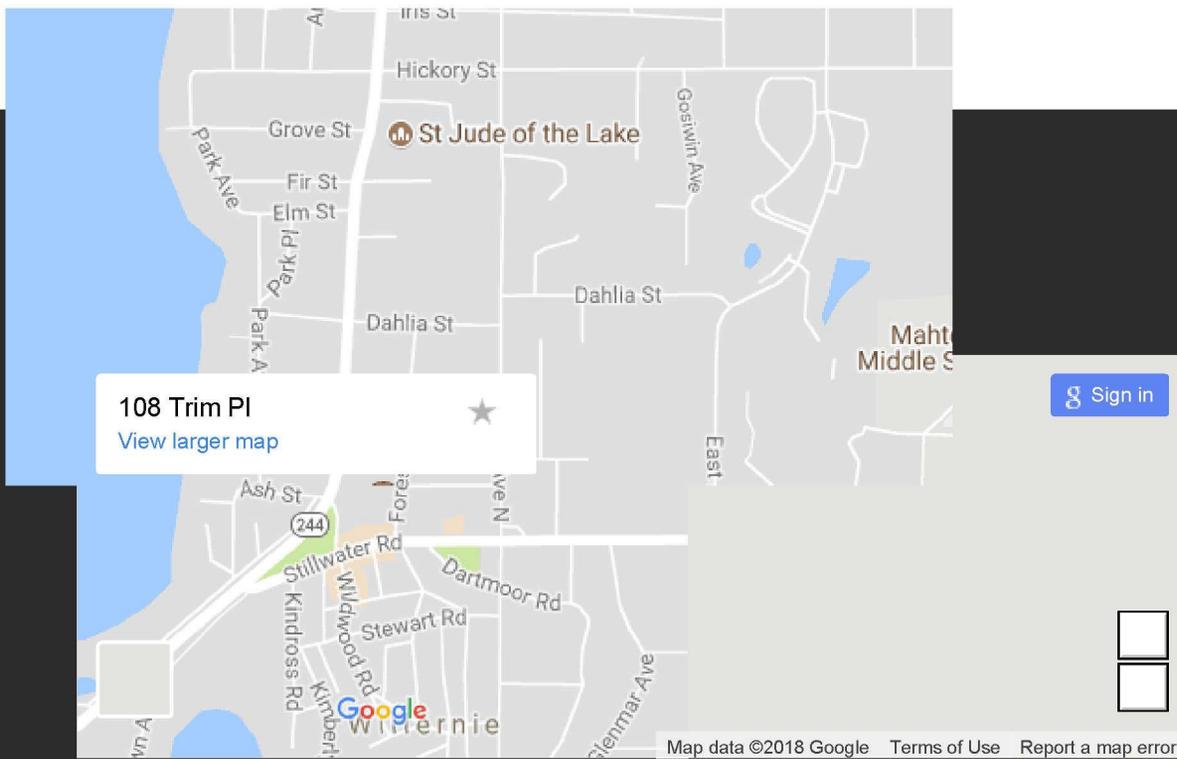
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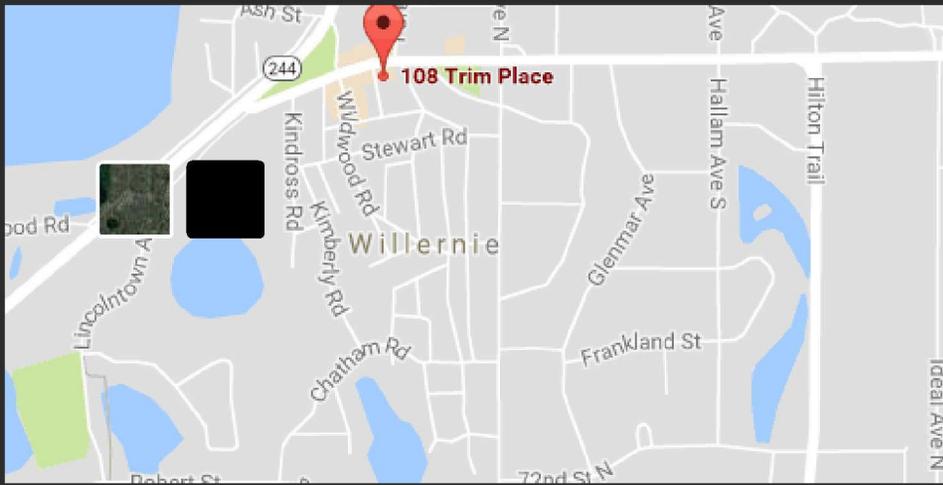
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