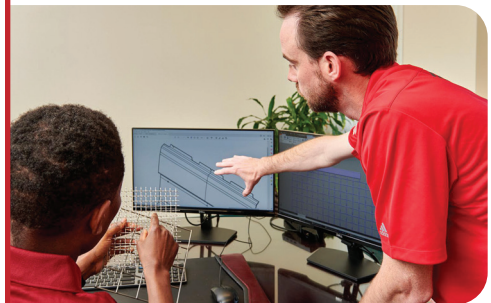




# Separation. Filtration. Solutions.



Multidimensional  
wire mesh  
expertise

# Engineered to a separate standard of performance



Since 1952, Gerard Daniel has forged a reputation for superior manufacturing, assembly, fabrication and distribution of mesh products across a broad spectrum of industrial markets.

Customers rely on us for engineered and integrated filtration/separation solutions that enhance productivity, lower costs and reduce supply chain risks.

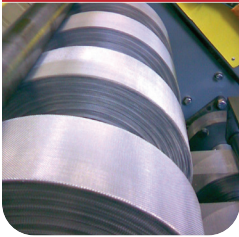
Our wire mesh products add value to countless industrial applications in aerospace, architecture, automotive, food & beverage, mining, oil & gas, water handling and more.

These applications range from coffee filters at one end of the technology spectrum, to products used for fuel cells and high frequency sound modulation in airplanes at the other.

Today, Gerard Daniel operates 10 plants in 5 locations worldwide, providing fast, local capabilities to support customers and improve their bottom line.

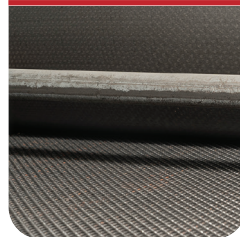
With multiple operations in the US, as well as operations in Canada and Ireland, Gerard Daniel Worldwide is a leading provider of mesh, filtration and separation solutions used in a broad array of critical OEM and MRO applications.

# Full production capabilities to process your mesh the way you need it



## Slitting & Shearing

Gerard Daniel's precision slitting and shearing services deliver a perfectly cut roll or piece part to your production line.



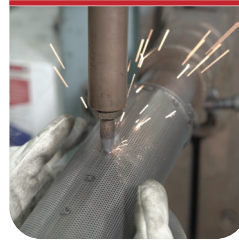
## Calendering

Calendering flattens the wire, providing a uniform material thickness throughout the mesh.



## Coatings & Finishes

Our premium coatings and finishes enhance the corrosion protection, durability, aesthetic value and electrical properties of the mesh.



## Welding (TIG, MIG, Resistance, Laser)

Smaller filtration assemblies are welded together using automated spot, seam and continuous resistance processes. Larger filters and other components are manufactured via TIG, MIG and laser welding.



## Cleaning

We offer a wide variety of cleaning methods such as vapor degreasing, as well as ultrasonic, aqueous or mechanical cleaning.

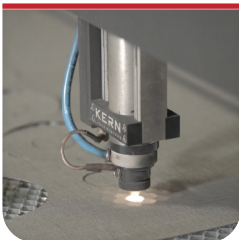


## Heat Treating

We offer batch and strip/strand heat treating using either vacuum or reducing atmospheres:

Annealing – Improves ductility, enhancing the formability of wire and wire mesh which allows for more consistently formed parts and less scrap.

Sintering/Diffusion Bonding – Creates a metallurgical bond between the wires in our high temperature, controlled atmosphere ovens. This treatment can improve wire cloth rigidity, conductivity, and reduce fraying. This process can be done with a single layer of wire cloth, or multiple layers of wire cloth and is sometimes referred to as laminating.



## Laser Cutting

Our precision laser cutting is ideal for small production runs of filtration components when other methods are cost prohibitive.



**GERARD DANIEL**

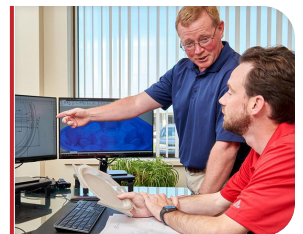
When you work with Gerard Daniel's Engineered Solutions team, you're getting more than a wire mesh company with deep capabilities, expert engineering and excellent customer service. You're getting a partner with a vast supply chain and vendor network who can turn prototypes around on a dime and scale up to manufacturing fast, saving you both time and money.



Partner with  
GDW for your  
ideal filtration  
solution



Built to Print



Engineering



With our roots in mesh, we have evolved as an engineering-led company in filtration and separation for over 70 years. Whether you have a build-to-print requirement or a full design project, our experienced engineers will work with you to develop and produce the filtration or separation solution you need to supply your production line.

### **Build To Print**

Supply a drawing or print of your filtration components and our dedicated build-to-print team will provide you with a fast quote that includes:

- Rapid prototyping components
- First article submission
- Managed production deliveries

Our engineers will review your drawing for manufacturability and lowest cost of supply. We may work with you to suggest design changes or material alternates that will not affect the performance but will lower the cost to manufacture and therefore increase your bottom line.

### **Collaborative And Engineered Design**

If you have a specification or design intent but not a print or finished design, our engineers can help you develop it. We take the time to learn about your application and develop a solution – working with you on everything from design through manufacturing.

Our goal is to not only meet your product requirements, but to consolidate your supply chain and produce your product at the lowest cost without sacrificing quality. We cover every step of the process from beginning to end:

- Filtration media
- Component design
- Manufacturing process
- Quality control



**Component Design**



**Rapid Prototyping**

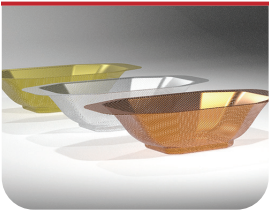


**Collaboration**

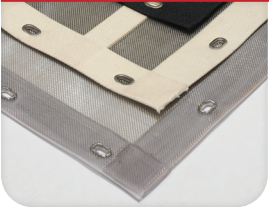


**Quality Control**

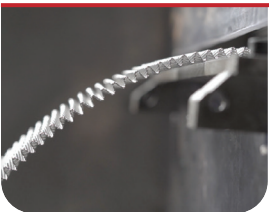
# Full component production and assembly expertise to meet your specifications



Wire Cloth Forming



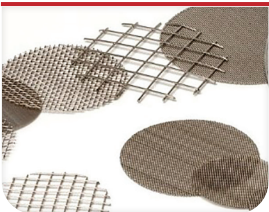
Edge Treating



Pleating & Cylinder Rolling



In-House Tooling



Stamping



Rapid Prototyping



Filtration & Separation Component Assembling

## Wire Cloth Forming

Due to its open-air structure, forming wire mesh is an art as well as a science. GDW's seasoned wire mesh tool makers and production engineers work together to determine the best tool and die methods to form each component.

## Edge Treating

The edges of wire mesh/cloth sometimes need to be treated to prevent them from fraying or to help with mesh rigidity. Gerard Daniel offers several types of edging processes, including hemmed, welded, u-channel and white canvas.

## Pleating & Cylinder Rolling

We can pleat or fold wire mesh to different sizes, a process that allows for greater surface area and volume in a smaller space. We also manufacture many different types of cylinders used as support media in filtration assemblies.

## In-House Tooling

Our complete tool and die shop offers many advantages. We are able to react quickly with prototyping and first article submissions. Our skilled tool and die makers can also service, rebuild, repair and adjust tooling in-house.

## Stamping

We have the capability to stamp or punch many different types of components – ranging from small, batched runs to high volume, multi-station production.

## Rapid Prototyping

Rapid prototyping is key to finalizing projects in a timely manner. We use our small batch production capabilities and in-house tool and die skills to create a high quality prototype.

## Filtration & Separation Component Assembling

To produce a finished assembly, Gerard Daniel can attach many different component types to the mesh, including flanges, end caps, and cylinder and support media.



GDW reduces supply chain risks with certified quality products delivered exactly when you need them.

#### **Extensive Ready-To-Ship Product Inventory**

- Largest wire cloth inventory in North America
- More than 5,000 different types of wire mesh and cloth in stock

#### **Customer Inventory Management**

- On-demand product delivery
- Blanket order agreements, plus proprietary and custom programs

#### **Continuous Replenishment Services (CRS)**

- Proprietary customer portal ensures inventory is always available when needed

#### **Testing & Quality Control**

- Our quality/metallurgical labs test mechanical, chemical and physical properties of all products before shipping

#### **Airflow & Resistance Testing (Acoustics, RAYL Value)**

- RAYL values are tested during production to ensure acoustic mesh meets the RAYL values specified by the customer

#### **Custom Packaging Solutions**

- Tailored to each customer's products to ensure safe arrival

Gerard Daniel  
products are  
always right  
and right  
on time



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