



***SINTERPORE®* SINTERED POROUS METAL PRODUCTS**



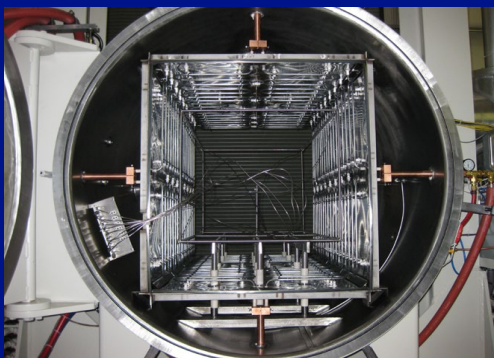
DDD Group of Companies

Since 1918 DDD has produced wire, the base material of metallic filter media. Today we fabricate metallic media and filters in Germany, USA, Czech Republic and Asia.

PMF combines over a century of wire-manufacturing expertise with advanced sintered porous metal filtration, delivering high-quality products, engineering support, and exceptional customer service.

Our worldwide group services our markets in almost every corner of the globe.





PMF's advanced diffusion bonding transforms multilayer wire cloth into rigid, precision porous sheets without binders or filler metals. The process preserves uniform pore geometry and delivers ultra-clean, dimensionally stable media for demanding aerospace, pharmaceutical, chemical, and water filtration.

SINTERPORE® Sintered Porous Metal Products

Why sinter (diffusion bond)?

- Diffusion bonding creates a strong, monolithic multilayer structure for improved collapse and burst resistance.
- High rigidity, strength, creep, stretch, abrasion, and puncture resistance.
- Enables high-pressure backwashing.
- Maintains a fixed, non-compressible pore geometry.
- Uniformly solution-annealed for improved tensile and thermal/electrical conductivity.
- Reduced residual stress improves formability and dimensional precision.

Why PMF?

- Industry-leading diffusion bonding expertise backed by extensive research and experience.
- State-of-the-art equipment and quality control ensure consistent, high-quality products.
- Superior bonding technology differentiates PMF filtration products from competitors.
- Reliable filtration performance and service life designed to meet or exceed customer requirements.

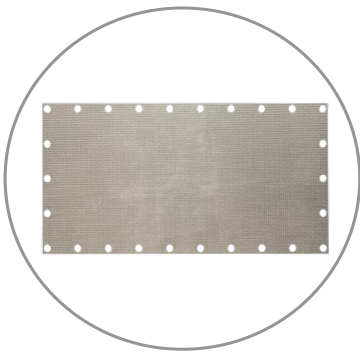
Quality

- Quality first: ISO 9001:2015 certified
- Rigorous quality control: Advanced processes, testing, and preventive maintenance.
- Continuous improvement: Modern quality systems ensure consistent product performance.
- Exceptional service: Fast, reliable support from experienced technical staff.



Precision Fabrication

Porous Metal Filter's **SINTERPORE™** laminate can be fabricated much like sheet metal, in a number of shapes and sizes from simple discs to complex conical assemblies. PMF has a fully functional fabrication shop in house with state of the art equipment and an experienced and knowledgeable staff, allowing us to service all of your porous media needs. PMF manufactures products to the highest current industry standard, certified to meet ISO 9001:2015.



Laser-cut Flat sheet



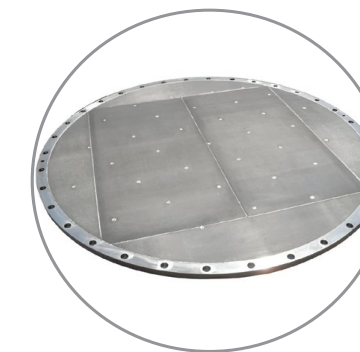
Fluidizing Cone



Sand Screen



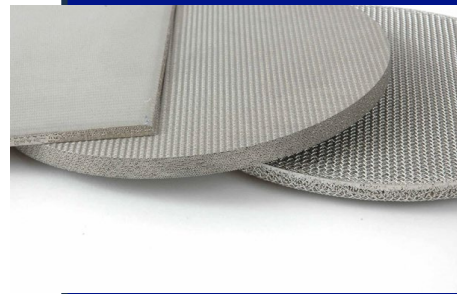
Strainer



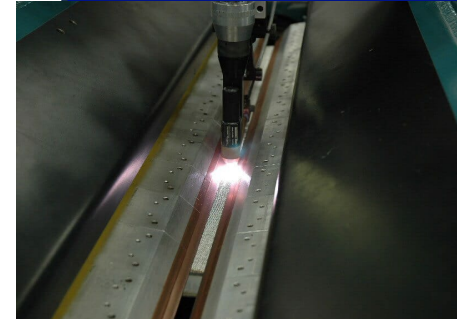
Nutsche Filter



Filter Cartridges



Sintering



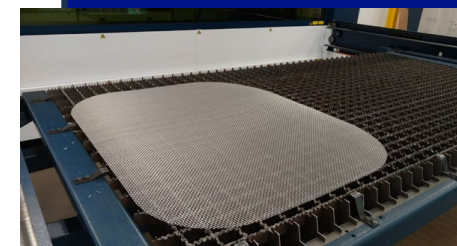
Welding



Punching



Forming



Laser Cutting



Testing and Inspection

PMF *SINTERPORE*® Filter Elements

PMF's cylindrical filter elements are manufactured from mechanically robust sintered mesh laminates, fiber felts or sintered metal powder and can be designed to withstand significant pressure differentials. End fittings are designed to match the filter system and are used in a multitude of different applications.

Oil and Gas Filtration

The demanding environments in oil and gas require a high level of quality control to ensure superior filtration performance and corrosion resistance for the lifetime of the filters. PMF supplies a multitude of filters for oil and gas including premium sand screen cartridges for downhole completions, artificial lift pump protectors and pre-flood filters used in the commissioning of pipelines, .

Water Filtration

Challenges in filtration of sewage water, ballast water and pond water often require a pre-filter before chemical or biological treatment. PMF supplies a wide range of sintered filters in a variety of metallurgies with backflush capabilities.

Industrial Filtration

Metal wire mesh filters are widely used in industrial and OEM applications for particle protection, separation, and filtration of liquids and gases. PMF manufactures custom filters to meet exact OEM specifications, including y-strainers, baghouse, hydraulic, coalescing, liquid, and natural gas filters. Stainless steel wire cloth and mesh offer excellent flow, durability, and dimensional consistency. Unlike paper or felt media, PMF filters can be cleaned and reused while eliminating media shedding, providing long-term performance and reliability.



PMF *SINTERPORE*® Customized Solutions

From diffusion-bonded porous metal sheets to advanced multi-layer laminate media, PMF delivers innovative filtration solutions engineered to meet each customer's unique requirements. Our *SINTERPORE*® product line includes Single Layer Sintered (SLS), Multi-Layer Sintered (MLS), and Custom Layer Sintered (CLS) media, manufactured from woven stainless steel wire mesh, non-woven metallic fibers, and perforated sheets and foils. These versatile materials provide exceptional performance for filtration, separation, flow control, noise reduction, powder fluidization, and other demanding industrial applications.



Aerospace



Plant Oil Extraction



Pharmaceutical



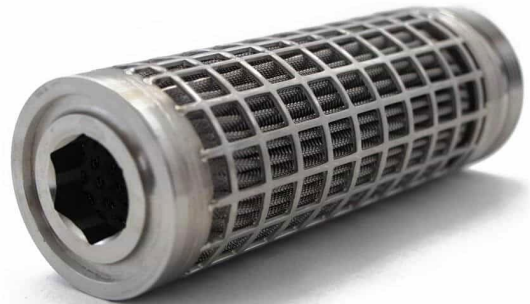
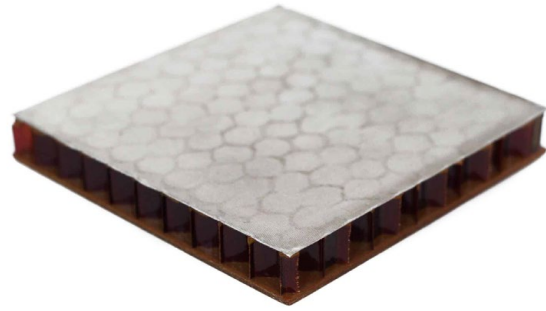
Industrial Water Management



Bulk and Powder Handling



Renewable Energy





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