
Stainless steel woven wire mesh application

Stainless steel wire mesh for Filtration and Separation

In some industrial filtration applications, the goal is to protect downstream components from particulate matter. In other cases, a metal wire cloth filter can be used to separate, or screen one substance from another. Whether your specific industrial filtration application calls for removing unwanted contaminants from fluid or air, protecting expensive process equipment, or simply separating one material from another, Anyang can manufacture a custom metal wire cloth industrial filter for your exact specifications. Custom fabricated metal wire cloth and wire mesh filters can deliver the perfect size dimensions and performance characteristics desired.



Stainless steel wire mesh for Sieving and Sizing

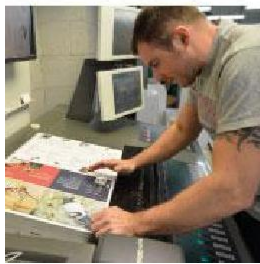
Anyang produces wire mesh cloth for sieving and sizing. In order to characterize different forms and sizes of bulk cargo, it is necessary to understand its particle size distribution. The particle size distribution, that is, the number of particles of different sizes, determines important physical and chemical properties, such as solubility, fluidity, and surface reactions. In many industries, such as

the food, pharmaceutical and chemical industries, traditional sieve analysis is the standard for powder and granule production and quality control. The advantages of sieving analysis include simple operation, low investment costs, accurate and reproducible results in a relatively short time, and the possibility of separating particle size fractions. Therefore, this method is a recognized alternative to analysis methods using laser or image processing.



Stainless steel wire mesh for Screen Printing

Screen printing is a printing technique that uses mesh to transfer ink onto a substrate. A blade or squeegee is moved across the screen to fill the openings in the mesh with ink/paste. Stainless steel woven wire can withstand hard conditions, even at the smaller opening sizes and thinner wire diameters.



Some specialty industrial filtration we offer:

Catalyst Support Screens

We produce a wide range of catalyst support screens and grids for the petrochemical and refining industries. Wire mesh support screens allow for more open area and more precise openings than perforated steel or wedge wire screens. As a result, catalyst support screens manufactured using wire mesh are more efficient.

Micro Mesh Parts

Kingdelong manufactures custom miniature mesh parts that are used in miniature valves, condensers, and electronic assemblies. We specialize in the design and manufacture of custom wire cloth and mesh, and offer fabrication, stamping and finishing services to provide production-ready miniature wire cloth elements. Soft sintered, annealed and diffusion bonded cloth are available for applications that require precise shaping, flexibility during processing and part stability.

Sand Screens and Filter Elements

KDL has supplied wire cloth and drainage screen products for the oil and gas industry for more than 34 years. Today we offer a wide range of filtration and drainage screen cartridges. Our traceability and quality system ensures you receive the proper documentation with your wire sand screens, sand screen mesh, and custom wire mesh filtration products each and every order.

Hot Gas Filtration Elements

KDL produces a wide range of woven wire mesh and welded wire products ideally suited for hot gas filtration applications.

Just like their fossil fuel cousins, alternative fuels need filtration. Many of these fuels require high-temperature processing, resulting in the necessity for special metals, media, and finishing to handle the harsh processing environment. KDL has the expertise and products to manufacture wire filtering products for this new demanding market.

Common applications in this new market include wire cloth filter elements for biofuel processing and power generation, spark arresting screens, catalyst recovery media, heat diffusers, and cleaning filters for gases released during chemical processing.

Extruder Screens

High-quality filtration requires high-quality media. Polymer manufacturing requires a wide range of filters and filter media for processing, finishing, and recycling the materials. Dorstener Wire Tech has over 15 years of experience in the manufacturing and engineering of polymer filtration components of many varieties to meet the challenges faced by today's polymer processing Industry. Dorstener Wire Tech is a fully integrated company that not only produces polymer filters and extruder screens, but also produce the media we use in our filters. All of our polymer filtration media is designed for the specific requirements of the user's processes. Our state-of-the-art manufacturing facilities allow us to offer high-performance filters direct from the manufacturer at an economical cost.

Polymer Filtration

The plastics and polymer industry requires many different filters to insure a clean melt stream. Our metal filter screens are engineered to fit all styles and types of melt pumps and screen changers. The end goal of our product is to ensure the final quality of your product.

The most common screen changers for melt filtration use single or multilayer wire cloth extruder screens. We produce these in round discs, rectangular or kidney-shaped screens. The construction of the screen pack is critical to process performance and final

product quality. Mesh combinations are carefully chosen to achieve a high strength pack that provides desired filtration levels and optimal throughput. To assist in the production of sensitive or high-value polymers we offer frame pack screens for superior sealing and control.

Stainless Steel Air Filtration

KDL can supply air filtration and cooling tower panels with a newly designed filter media. Stainless steel wire mesh in the air filtration industry is not only found in the hot gas sector. It can be used for the filtration of pollen, fibers, insects, and other impurities upstream of air-cooled units, we have introduced our air sieve as a protective filter to the market.