

HAYER & BOECKER



DIE DRAHTWEBER

**ONE SUPPLIER –
MANY AREAS OF APPLICATION.
FILTERS AND FABRICATED PARTS MADE FROM
WOVEN WIRE CLOTH.**



HAYER & BOECKER

DID YOU KNOW?

Filters and fabricated parts made from woven wire cloth are used especially wherever highest quality as well as economy and productivity are required. Although frequently not apparent at first glance, their flexible design protects humans and critical processes and ensures the optimum operation of important components.

Did you know how important it is to look beyond the horizon when developing wire mesh for different industrial sectors?

Our experienced Research Department provides customers from a widest variety of industries with support in the development of high-quality filters and fabricated parts made of woven wire cloth. These projects often result in improved or even completely new solutions for optimising the performance and cost of components. These can often be applied to other industries and are proactively passed on by us to our customers.

Do you know where filters and fabricated parts from Haver & Boecker are already being implemented today?

Whether for filtration or cleaning, for the protection of humans and sensitive electronic or for ensuring a uniform flow of gaseous, liquid or solid media - our woven wire cloth meets the highest requirement profiles. On the following pages, you can discover which other industrial sectors are specifically relying on Haver & Boecker's quality and capabilities.



Medical Technology

Did you know that Haver & Boecker bundles the production steps of highly complex products spatially to save time and ensure the highest standards of hygiene?

Filters and fabricated parts made of metal wire mesh for use in blood diagnostics, respirators and powder inhalers are subject to strict hygiene requirements. For this reason, for example, a specially equipped clean room for final cleaning and extensive quality control is located in the immediate vicinity of the production system for inhaler sieves.



Did you know that woven wire cloth significantly increases the service life of aluminium engines?

Cast-in screens are used in the manufacture of devices and components made of aluminium. They ensure a homogeneous melt during the casting process and thus lay the foundation for smooth production.

Examples of use: the production of aluminium components, low-pressure gravity die casting.



Did you know that spinneret filters made from woven wire cloth are used to produce fibres and threads made from polyester and polyamide?

Examples of woven wire cloth products used in the chemical industry include filter media in the preparation of medicines and plastics.

Examples of use: spinneret filters for producing fibres, resin traps for producing resins, plastic melt filters for the production of plastics and adhesives, filter mesh for drying medicines and granulates.



Did you know that filter media made from woven wire cloth ensure uniform distribution of the fuel in heating systems?

Stainless steel wire mesh not only ensures greater efficiency and environmental friendliness in heating systems, filter media in fittings allow the water to flow gently and quietly, reducing water consumption and contribute towards saving energy.

Examples of use: woven wire cloth in heating systems, metal sieves in jet regulators (fittings), aerators in water taps.





Plastics Processing

Did you know that woven wire cloth filters made from stainless steel protect you from electric shock?

Wire mesh extruder screens and spinneret filters ensure that there are no conductive foreign particles in the input materials for cable sheathings made from recycled plastic. Due to their high strength and chemical resistance, filter media made of stainless steel woven wire cloth have proven to be perfect for the injection of plastic melts.

Examples of use: the production, processing and recycling of plastic.

Electrical Engineering

Did you know that our woven wire cloth covers have been protecting the electronic components on microphones from external influences for well over 50 years?

In electrical engineering applications, filters and fabricated parts made from wire cloth make a decisive contribution to safety and operation of technical systems and equipment in many ways.

Examples of use: spark filters in electrical control cabinets, flame arresters, protective filters in smoke detectors, spark protection in gas detectors, speaker covers in mobile phones and microphones.



Food

Did you know that woven wire cloth is predestined for use in the food industry?

Similarly high hygiene requirements placed in the field of medical technology also apply in the food industry. The various cleaning systems and thermal processes involved in the production of woven wire cloth ensure that our filters and fabricated parts meet all applicable standards with ease. **Examples of use:** the processing of cocoa butter, filters in extractor hoods, water filtration in breweries.

Aerospace

Did you know that woven wire cloth made from stainless steel was already on the moon?

Since safety and functionality have the highest priority in the aerospace industry woven wire cloth from Haver & Boecker was part of the technical equipment that accompanied all Apollo space flights.

Examples of use: control systems and engines, air conditioning, refuelling systems, turbines and air ducts.

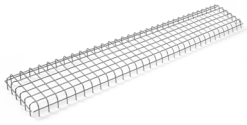


Mechanical Engineering

Did you also know that woven wire cloth keeps machines and motors running?

Metal wire cloth, ventilation louvers and protective grids are used to protect machines and motors from dirt and foreign particles in order to maintain their functionality.

Examples of use: machines (e.g. automatic lathes, extruders, strainers), motors, hydraulic systems.

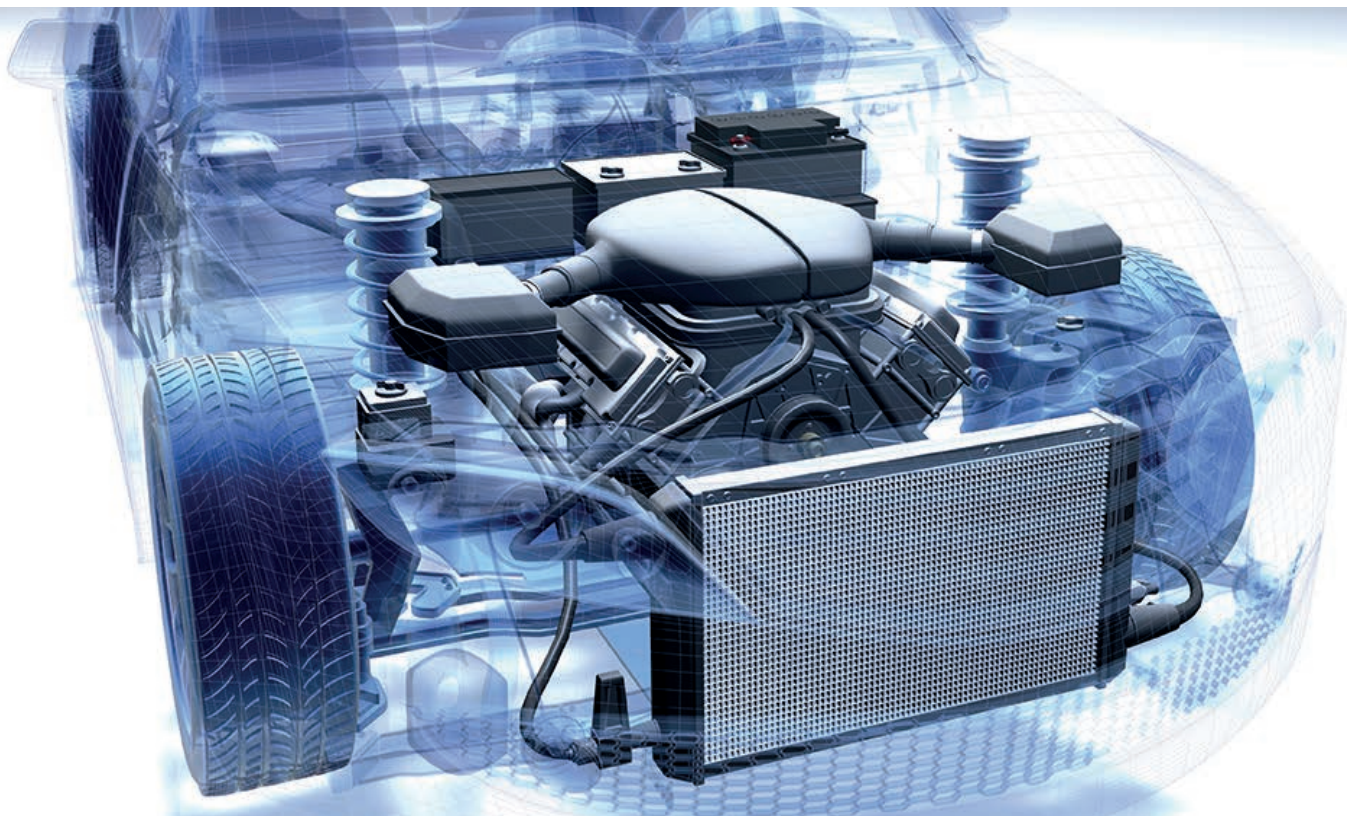


Automotive

Did you know that woven wire cloth ensures compliance with prescribed emission limits?

Filters and fabricated parts made of metal mesh have a wide range of applications in the automotive industry and play an important role especially in vehicle technology. For example, they reduce the emission of environmentally harmful nitrogen oxide in diesel engines.

Examples of use: metal wire cloth filters for exhaust aftertreatment systems and fuel lines, oil filters for transmissions, air filters for pneumatic systems, woven wire cloth for slide bearings.



Water Filtration

Did you know that you come into contact with woven wire cloth every day?

Look into your water tap from below. Do you see the wire mesh? Good water quality is of great importance worldwide. Using metal wire mesh in the treatment of water enables the carefree use of this vital resource.

Examples of use: treatment plants for drinking water, seawater, ballast water and wastewater, breweries, starting sieves, aerators (fittings), water tanks, process water.



ABOUT HAVER & BOECKER.

Haver & Boecker began producing wire cloth in Hohenlimburg, Germany in 1887. Today, the company is a worldwide leading manufacturer of woven wire cloth for industry, engineering, architecture and design.

Haver & Boecker has been a pioneer in the technology of wire weaving for more than 130 years. The company develops and processes woven wire cloth into filters and fabricated components fulfilling the highest standards.

Whether it's aerospace and aviation, automotive, electrical engineering, medicine, chemicals, water filtration, mechanical engineering or plastics processing – customized solutions from Haver & Boecker offer the basis for efficient production processes, reliable function, optimum quality and distinctive design.

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