

INDUSTRIAL SOLUTIONS

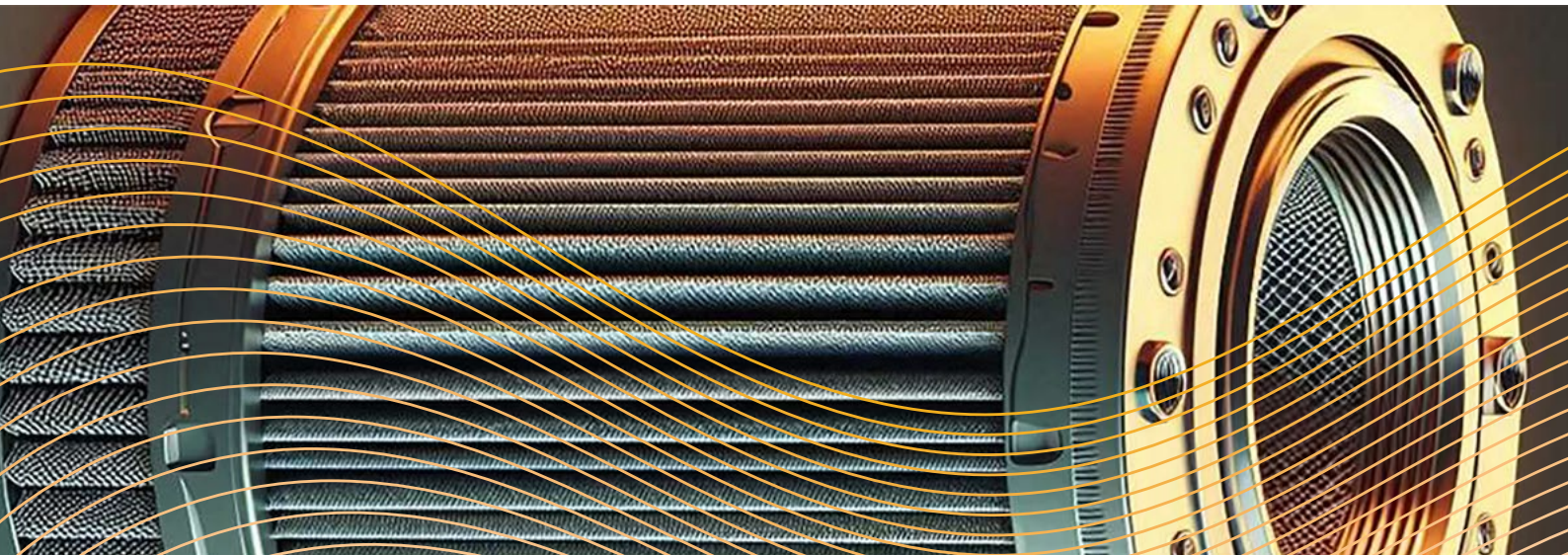


Celebrating 60+ Years
(Since 1963)

FILTER ELEMENTS



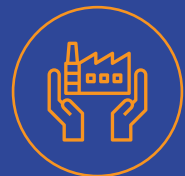
WMW INDUSTRIES LTD



Technical Woven Mesh Solutions

**For High Efficiency
Filter Elements**

BVK Group Reliable & Sustainable



Founded
1963



Integrated
Weaving Plant



Employees
300+



Equipment Origin
Germany



Metal Volume
650+ MT p.a.



Certifications
Integrated IMS System
with ISO, IATF, OHSAS
and Environmental
Management

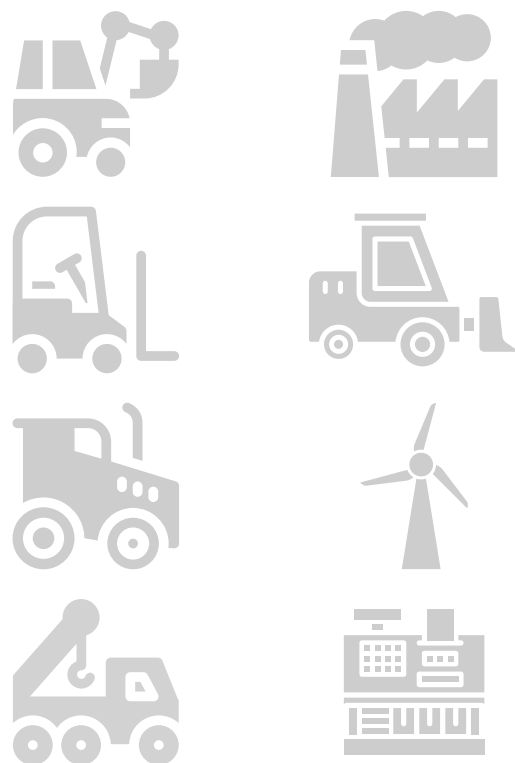
EXPORTING TO

25+

COUNTRIES

WE ARE PRESENT WHEREVER
OUR CUSTOMERS NEED US.

Filter Elements that use are
mesh are compatible for
below applications:



*Delivering
Excellence
...Together*

A portfolio to meet all your needs.

WMW strives to embrace customer satisfaction through continuous improvement in its products & services. WMW's long standing experience since 1962 in multiple industrial filtration segments, allows it to offer customised and value engineered solutions for challenging process environments.

WMW's competent technical team, multiple certifications and nearly 6 decades of experience in the filtration space generates immense trust in our customers for establishing long term partnership.



The mesh expertise.

Reliability with Efficiency

Treatments

- Calibrated processes to change mesh hardness, softness and formability
- Micro-structure annealing: alters material physical properties
- Various coatings to enhance applicability
- Cleaning: to enhance surface

Engineering

- Prototyping
- Simulation assessments
- Mesh design optimization
- Ability to work with close tolerances
- Designing new processes

Quality Control

- 100% Traceability
- Product standard harmonization
- Process and quality control plans
- Custom made testing equipment
- Light-box and video inspection

Technology

- State of art German weaving technology
- Ability to modulate specifications to achieve desired parameters.
- Advanced processing know how and capability for varied solutions
- Ability to develop special spec pattern



Through our dedicated research and development, WMW is able to secure its technological edge and commercial success.

Meshes for filter elements.

Shaping the future of Filters

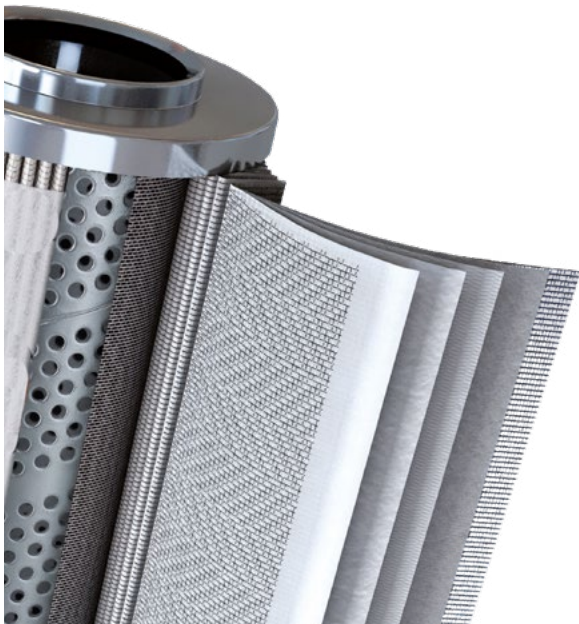


PRESSURE STABILITY :
By adjusting the weaving parameters, we are able to precisely control the porosity which impacts the flow of medium leading to low pressure drop and excellent pressure stability.

FATIGUE STRENGTH :
The woven mesh creates a tree-like network that significantly improves & increases the surface area of the material, thereby improving flow fatigue strength.

SURFACE AREA :
Using proven innovative technologies on the woven mesh to enhance surface area which improves dirt holding capacity and delivers improved productivity & economic efficiency.

High efficiency filter element components.



FUNCTION : THE MESH ADVANTAGE

Our woven meshes are used in combination with multilayer fleeces as protective fabric , safety fabric and woven sleeves between the various filter layers of a filter element and enable filter elements to withstand flow fatigue tests (ISO 23181) with intended parameters without being damaged while maintaining excellent differential pressure stability and exhibiting high dirt holding capacity.

- High Differential Pressure Stability Prevent build-up of Electrostatic charges
- Additional Protection
- Deformation Flexibility Porosity
- Optimised Flow Control



COMPATIBLE WITH :

- Fuel Filter
- Air/ Gas Filter
- Oil Filter
- Hydraulic Filters
- Suction Filters
- Noise Dampening



Above : Our Facility

SCALABILITY WITH STABILITY

Materials

Special woven mesh types are used as Hybrid/ SS protective fabric, Safety fabric. Hybrid/ SS support fabric and Woven sleeve as interlayer in the filter elements.

At WMW we design various fabrics with innovative weaveable materials depending on the desired performance criteria of the customer most importantly to deliver Filter finenesses and high flow fatigue strength in their filter elements.

Special combinations of metal and synthetic yarns are used to create special hybrid meshes for demanding applications as per customer needs.

The most common materials used are :



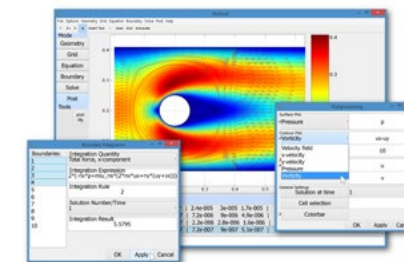
We prioritize innovation through manufacturing excellence by pursuing global standards. We incorporate state of the art technologies that place us at the forefront of global manufacturing. Central to our commitment is the implementation of Total Quality Management (TQM) practices guided by standardized control plans and Production Part Approvals (PPA) procedures.

Always a step ahead.

Quality is our speciality

With a focus on process consistency and repeatability, our products & processes are validated through stringent certifications and equipments of global repute. Our facility is equipped with advanced testing equipments for understanding customers' demands.

1 R&D Prototyping



BVK uses Computational Fluid Dynamics (CFD) & rapid prototyping to analyze flow dynamics within the mesh structure.

2 Integrated Process Harmonization

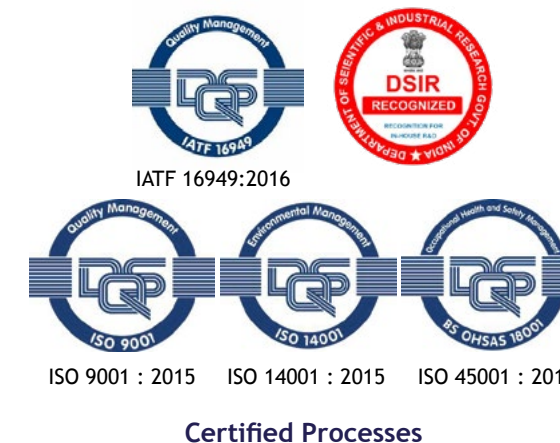


Process reliability ensures product accuracy as a result of collaboration between us and our customers.

3 Strong Supply Chain Network



Ensuring a reliable and certified supply chain network enables risk mitigation and robust supply networks.



Successful Collaborations

Our company is proud to have received recognition, from the Government of India's DSIR program for our R&D efforts. Collaborations with leading technical institutes help us push boundaries and develop new solutions.

“Joint R&D Programmes with Government of India”

Responsibility in action.

*Our goal is to become
100% self-reliant with
renewable sources.*

Carbon Footprint

WMW prioritizes Environmental, Social and Governance (ESG) objectives as a move towards reducing carbon emissions and achieving ESG goals. We demonstrate our dedication to sustainable energy practices and efficient Energy Management Systems (MES) by using 50% of our energy consumption from renewable sources. Our goal is to become 100% self-reliant with renewable sources and achieve our ‘Net Zero’ plan.



Sustainable Packaging

We embrace packaging solution that are completely reusable and can be recycled and support a circular economy. Adopting 100% reusable and recyclable aligns with our sustainability efforts meeting our sustainability efforts and fulfilling corporate social responsibility objectives.

*“Helping customers
achieve ESG goals.”*

WMW at a glance.

We make tomorrow matter

SUSTAINABILITY
EMBEDDED
IN OUR MISSION
‘SUSTAINABLY
GROW’



STRONG COMMITMENT
TO CORPORATE SOCIAL
RESPONSIBILITY



DRIVING INNOVATION
WITH CUSTOMER
SATISFACTION
FOR 60+ YEARS



DIGITALLY AGILE
ENTERPRISE USING
INDUSTRY 4.0 AND
M.E.S.



SUSTAINABILITY
50%+ ENERGY NEEDS
POWERED THROUGH
RENEWABLES



DIVERSITY
20% OF EMPLOYEES
ARE WOMEN IN THE
GROUP





Technical Woven Mesh Solutions

INDUSTRIES SERVED

AUTOMOTIVE

Electrified Drives

- Battery Enclosure Sleeve
- EMI Shielding
- E-Drive Protection
- Explosion Protection for Battery Systems
- Gap Fillers
- Filters for Electric Axles
- Fuel Cell Catalysts

Conventional Drives and Exhaust Systems

- Injection Systems
- Valve Trains
- Transmission Oil Filters
- Solenoid Valve Protection
- Coolant Filtration
- Drive Technology
- EGR
- Exhaust Particulate Oxidation Catalyst

Chassis and Brake System

- Hydraulic Filter
- Fuel Filter
- Oil Suction Filters
- Air Filter

Bodywork and Interiors

- Airbag Filters
- Burner Screens
- Rectifiers for Heat Distribution
- Interior Applications
- In-car Entertainment
- Interior Design



A BVK Group Company



★ Manufacturing location

● Industry specific service representatives

● Export customer presence



Learn More at
www.wmwindia.com

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