



بهران فیلتر  
BEHRAN FILTER CO.





## Behran Filter industrial manufacturing company

has reached to a high level of technology and a wide variety of products since it was first established in 1993.

Starting with the production of a few auto filters in those days, we are now producing over 800 kinds of high quality filters for various types of vehicles such as passenger cars, pickups, busses, trucks, agricultural and road constructional machineries; as well as industrial filters such as those used in gas and petrochemical refineries, turbines, power plants, steel and copper industries, etc. The reputation of our filters in quality and price made it possible for us to pass the geographic frontiers to export them.

Innovation and access to high Technology Filters know how have always been of most important aims in our company. At this way, the study project of covering filter paper by «Nano Fibers» - which is one of the most advanced techniques in increasing filter life and performance ; was defined in

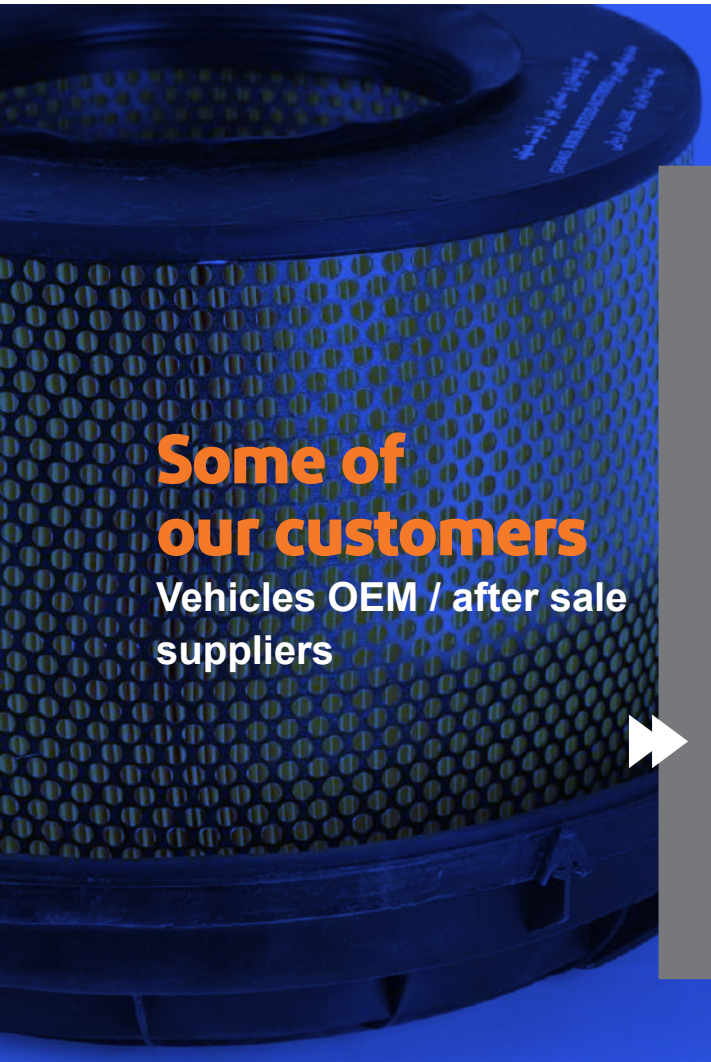
2009. The continues effort of earnest technical staff supported by the conscious management along with collaboration of expert companies in this field; resulted in introducing the domestic made «BEHRAN FILTER Nano Filters» to the market in 2011.

We owe the company's success to our dedicated management and companions; who's main priority is the customer's satisfaction; while using the high quality raw materials along with advanced technology is our commitment.

We would like to bring your attention to some lists of our successes.







Some of  
our customers  
Vehicles OEM / after sale  
suppliers

- ISACO
- SAIPA YADAK
- BAHMAN DIESEL
- GOVAH
- IDEM
- TIRAGE DIESEL
- MAZDA YADAK
- KAVIR KHODRO
- ARAS KHODRO

- SHAHAB YAR
- MODIRAN KHODRO
- KERMAN MOTOR
- KHOOZESTAN
- SUGARCANE

BY PRODUCTS DEVELOPMENT  
BUS COMPANY of : TEHRAN, MASHHAD,  
ISFAHAN, TABRIZ, AHWAZ, BANDAR ABBAS & ...

THE GROUP, S PHYSICAL GROWTH COMPARISON TABLE

1	Total land area occupied by the group (square meters)	3837	29000
2	Total building area of the group (square meters)	2211	19000
3	Total variety number of filters being produced	20	800
4	Total number of employees	20	350



our mission in the next step of growth :  
Is to expand our export market so, the active international merchants;  
who seek for good reputation and income are welcomed.

# Behran Filter industrial manufacturing company

has reached to a high level of technology and a wide variety of products since it was first established in 1993, Starting with the production of a few auto filters in those days, we are now producing over 600 kinds of high quality filters for various types of vehicles such as passenger cars, pickups, busses, trucks, agricultural and road constructional machineries; as well as industrial filters such as those used in gas and petrochemical refineries, power plants, steel and copper industries, mines, etc The reputation of our filters in quality and price made it possible for us to pass the geographic frontiers to export them In order to maximize the products quality: plus plant efficiency and flexibility for accepting new orders; the group has established new companies/production lines specialized for certain products. As listed below:

**1993**

Behran Filter is established as a manufacturer of filters for transportation field.

**1994**

Behran Filter achieves the national certificate of product quality for its oil filters: ISIRI 2525.

**1997**

Behran Filter introduces a new sister company, Behran Toos, for manufacturing steel parts.

**1998**

Behran Filter is successfully certified to ISO 9002 standard by DQS-GmbH Audit Company.

**1999**

Behran Filter achieves the national certificate of product quality for its air filters: ISIRI 34.

**2001**

Behran Filter is successfully certified to ISO9001:2000 standard by DQS-GmbH Audit Company.

**2005**

Behran Filter establishes a new mill, Behran Washer, for manufacturing rubber parts.

**2006**

Behran Filter achieves the certificate of R&D, Issued by Iranian ministry of mines and industries.

**2007**

Behran Filter establishes plastisol past production line.

**2008**

Behran Filter becomes the leading supplier of power plants, starting Industrial Air Filter production line. Also Behran Filter is successfully certified to ISO/TS 16949:2002 standard by DQS-GMBH Audit Company.

**2009**

Behran Filter is successfully certified to ISO9001 : 2008 and ISO/TS 16949 : 2009 standards by DQS-GmbH Audit Company.

**2011**

Behran Filter enters the high tech. zone, establishing Nano Fiber production line. Also Behran Filter is successfully certified to ISO/TS 29001:2010 standard by DQS-GmbH Audit Company.

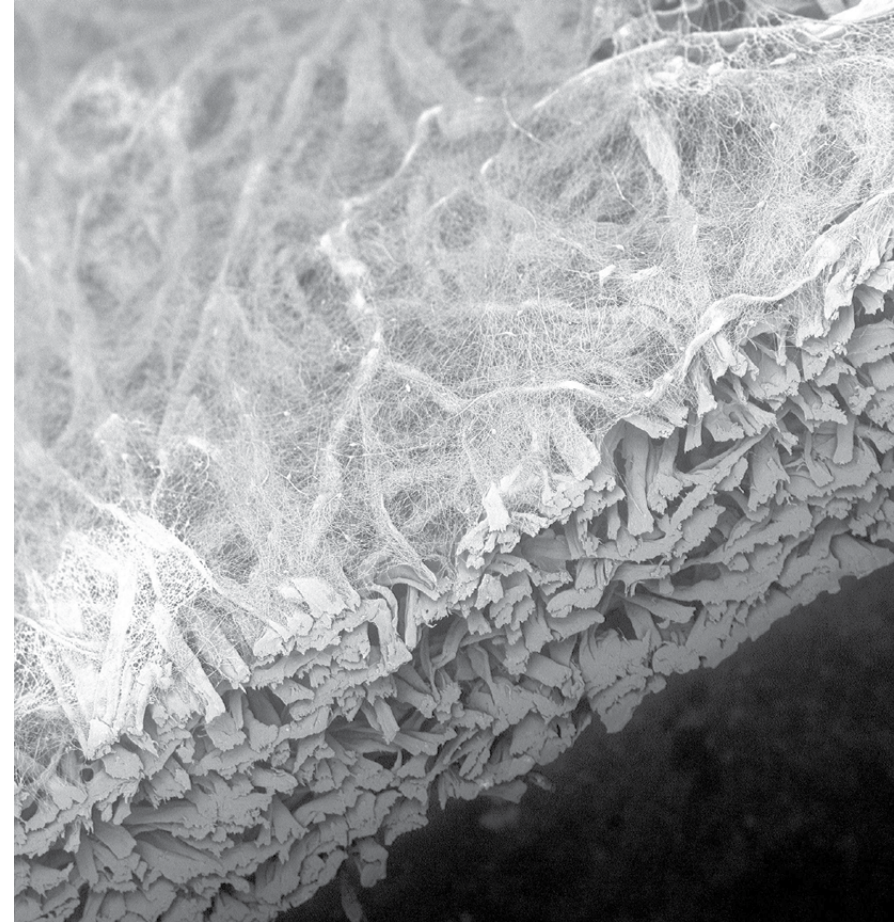
**2013**

Behran Filter achieves the national certificate of compliance with nanotechnology for its air intake filters of power plants.





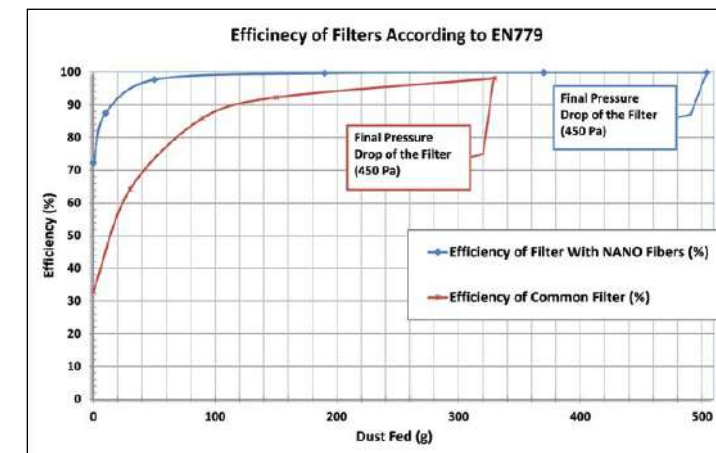
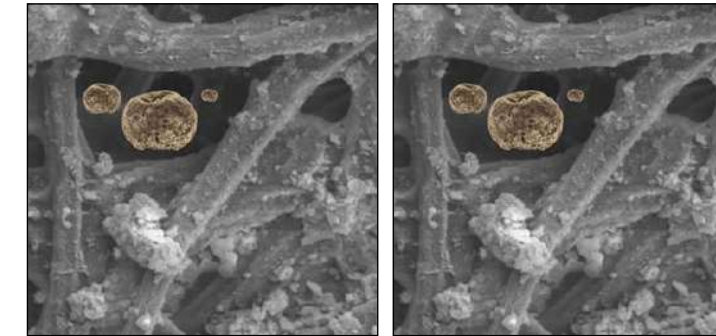
# Introduction To The Application Of Nanotechnology In Gas Turbine Air Filtration



The technology of nano fibers is the one of latest innovation in filtration industry. By this method, a layer of nano fibers (with diameter about 0.05 to 0.4  $\mu\text{m}$ ) covers the surface of cellulose and synthetic fibers of the base filter paper (with diameter about 10 to 50  $\mu\text{m}$ ). The main application of this technology is in air filtration for gas turbine air intakes which are supplied with back pulse cleaning system.

Two main advantages of this technology are:

- 1) Improvement filtration efficiency, due to smaller pores.
- 2) Increasing of filter,s lifetime, due to surface filtration.

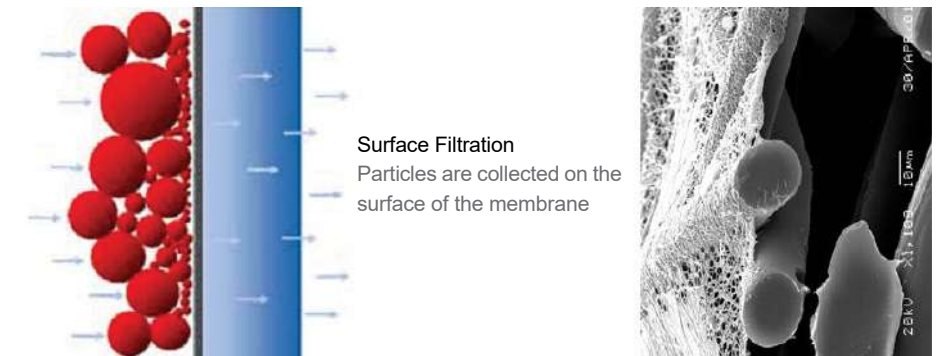


For producing improved filter, with nano fibers, the nano fiber production machine laminates the filter paper with a polymeric layer of nano fibers. Pores, formed by intersections of nano fibers, are very smaller than the pores of filter paper. So an improvement in filtration efficiency and the protection of turbine parts could be achieved.

Effect of nanofibers on the efficiency of filters:

Comparison of filtration efficiency of common filter and nano filter. Tested according to EN779 by VTT (Finland) and MDT (Germany).

Filter is a tool to remove particles from passing fluid. So a good and quality filter is a filter which separates contaminants from



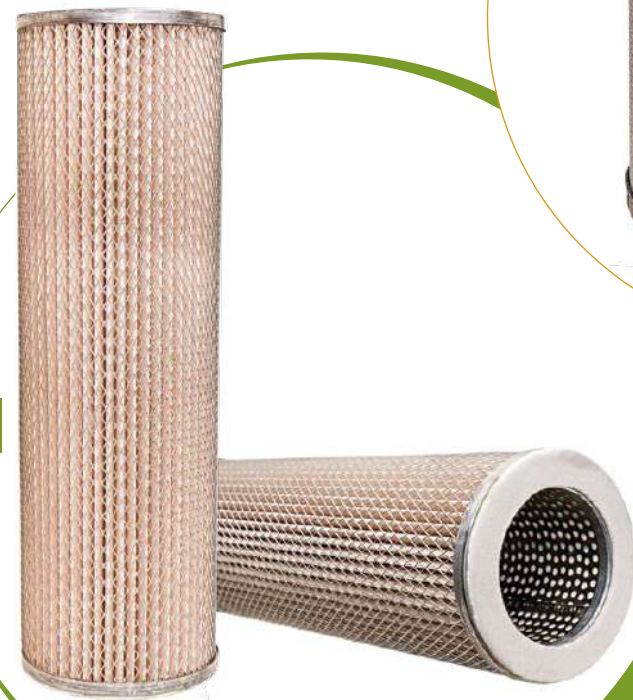


# Gas turbine Air Filter





Gas Filter



Heavy duty Air Filter



Oil & Hydraulic Filter



Heavy duty Air Filter



Strainer Filter



Strainer Wound Filter







Oil & Hydraulic Filter



Strainer Filter



Fuel Filter



Strainer Filter



Gas Filter

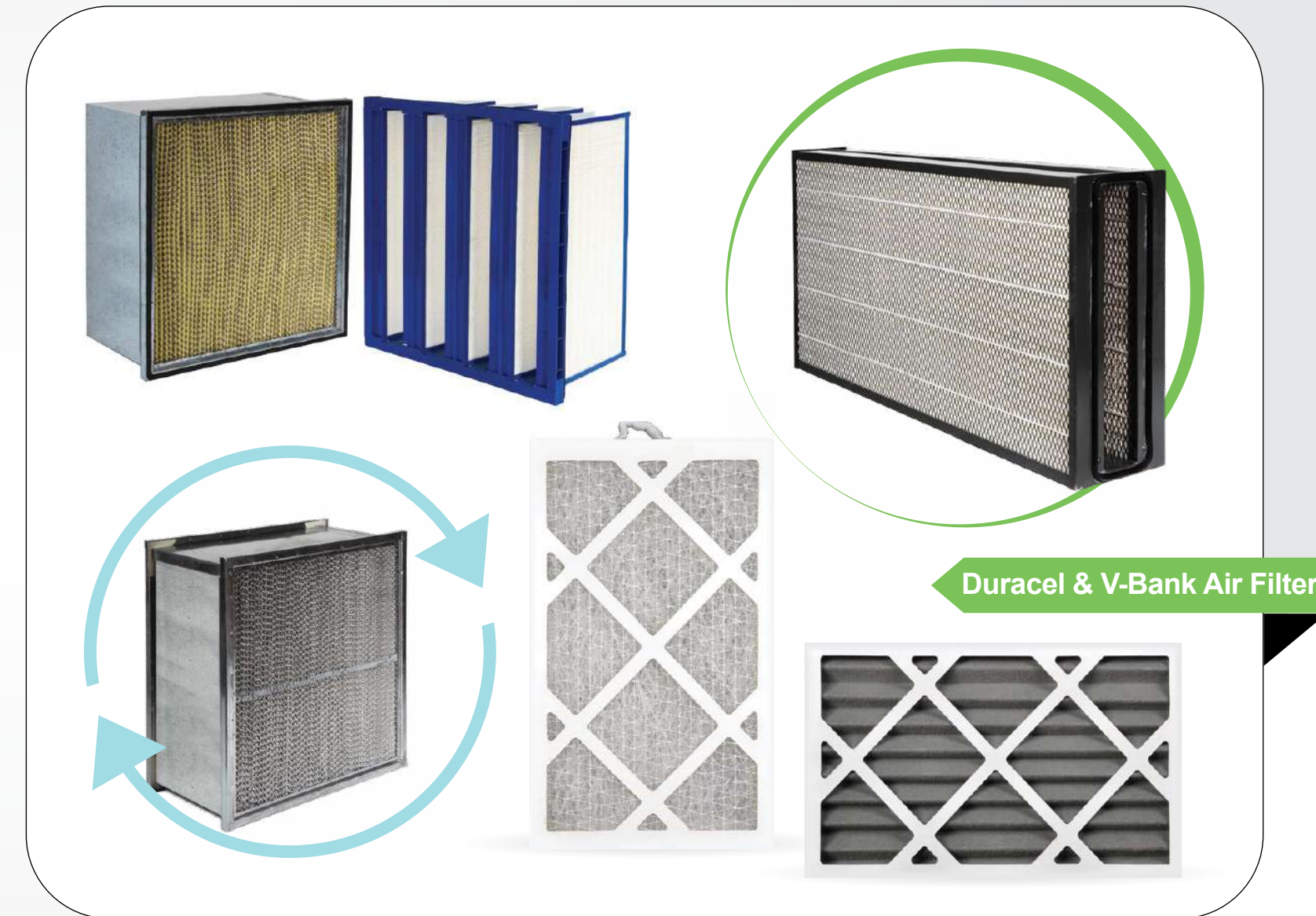


Oil & Hydraulic Filter



Oil & Hydraulic Filter









Automobile Air & Cabin Filters



Automobile Oil Filters





## Heavy Duty Automobile Oil & Gas Oil Filters



## Automobile Air & Cabin Filters





## Certificates and awards achieved:

- Certificate of conformity with national standard no.34 (auto air filters); issued by ISIRI. (1994)
- Certificate of conformity with national standard no.2525 (auto oil filters); issued by ISIRI. (1994)
- BEHRAN TOOS CO Instituted; for stamping and die mfg.(1997)
- Awarded by ISIRI as the leading company for quality products.(1999 2013 & 2011 &)
- ISO 9001 certificate issued by DQS, Germany. (2001)
- Diploma of research & development (R&D) issued by Iran's ministry of industries & mines.(2005)
- Awarded by Khorasan state government & Ferdowsi university of Mashhad for superior R&D activities. (2005)



- Award of research & development (R&D) issued by Iran's ministry of industries & mines. (2005,2010,2015)
- Certificate of invention (for turbine air filters with PU ends); issued by Iran's companies registration office. (2008)
- Certificate of invention (for HP model turbine air filters); issued by Iran's companies registration office. (2009)
- ISO/TS 16949 certificate issued by DQS, Germany. (2009)
- ISO/TS 29001 certificate issued by DQS, Germany. (2010)
- NANO certificate issued by Iran's Nanotechnology Initiative Council (INIC); for Power Plant air filters.(2013)
- Awarded by ISIRI as the leading technical responsible. (2014)
- NANO certificate issued by INIC; for Heavy Duty air filters. (2016)
- NANO certificate issued by INIC; for Passenger Car air filters. (2017)





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Manufacturing Company**

شرکت تولیدی و صنعتی تهران فیلتر

[www.bهرانfilter.com](http://www.bهرانfilter.com)

