

# COMPANY PROFILE

BOSTON ENGINEERING CO.,LTD.



HIGH QUALITY AUTOMOTIVE FILTER

# Company Profile

## **Boston Engineering Co.,Ltd**

has been established in 1997 with the ultimate goal of producing all types of high-quality automotive filters under the trade name "CORNER" for domestic and international customers.

**Boston Engineering Co.,Ltd** has always prioritized our entire production process undergoes meticulous inspection by a professional and expert technical team in the automotive filter field.

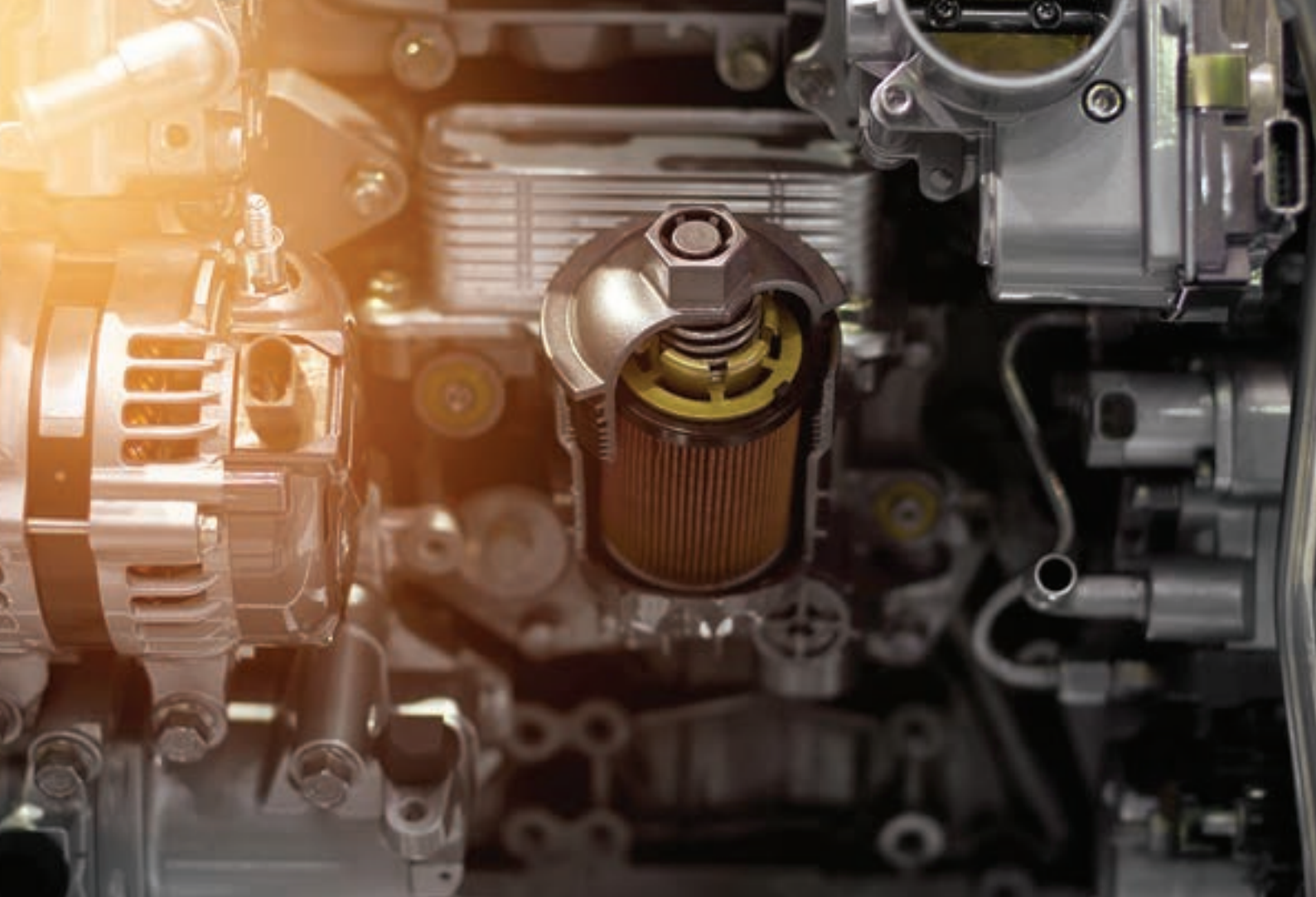
We are committed to constantly enhancing our operations and product quality by applying the best manufacturing technologies and practices, selecting high-quality raw materials, and conducting thorough product testing. Additionally, we have collaborative partnerships with our business associates to ensure the delivery of top-quality products to our valued customers.



## **OUR VISION**

**To become a leader in production and distribution of automotive filters through effective production processes and deliver high-quality products to domestic and overseas customers at a reasonable price.**





# WHY CORNER FILTER



## Quality

- Sourcing materials from worldwide standard suppliers.
- Internal laboratory applied for product performance test and development.
- With strong relationships with our suppliers, this enables us to enhance collaborative product development and provide expert advice to customers on matters of material properties.
- Professional technical team, with over 40-year experience, stands ready to assist



## Trusted Brand

- One of Thailand's largest and most trusted manufacturers of automotive filters, with over 2,000 customers' shops nationwide.
- Export our products to over 50 countries worldwide, ensuring global accessibility for our customers.



## Variety

- Offer a complete range of automotive filter products, comprising more than 1,000 models.
- Integrate customers' requirements into our product development.

# CORNER OIL FILTER COMPONENTS

# OIL FILTER

## End Cap :

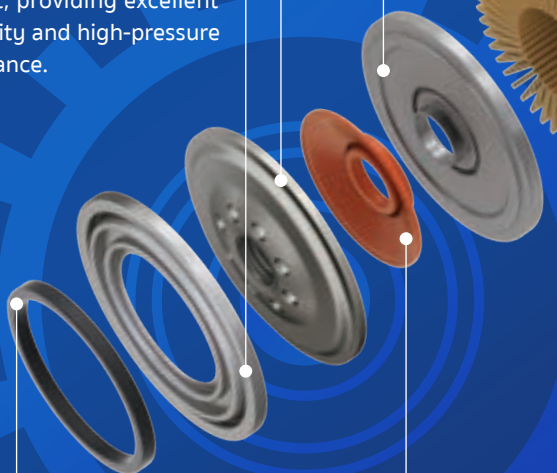
Made from high-quality steel, ensuring robustness, high-temperature endurance, and resistance to rust.

## Reinforce Plate :

Made from high-quality steel, ensuring sturdiness and endurance against both high pressure and temperature.

## Seaming Cap :

Made from steel featuring a high-percentage zinc coating, ensuring superior resistance to rust, providing excellent elasticity and high-pressure endurance.



## Nitrile Rubber gasket :

High-quality rubber made from specially formulated rubber mixtures, guarantee exceptional endurance against high temperatures, torsion, and oil corrosion, ensuring a prolonged service life.

## Steel inner core :

Made from high-quality grade of steel, ensuring both rust resistance and superior strength enhancement.

## Paper filter media :

Selected a high-filtration efficiency paper media from a world-class supplier, guaranteeing superior filtration and long service life.

## Anti-Drain Back valve :

Made from dependable, high-quality materials, guaranteeing exceptional endurance at high temperatures. Our corner filters undergo a stringent testing process to measure the reverse oil flow rate, adhering precisely to car manufacturer specifications.

## Bypass Valve :

This component is crucial as it enables oil to flow through the filter even when it's clogged thus averting engine damage caused by insufficient lubrication. Our corner filters have the capability to control the opening and closing rate to suit the specifications of each car model. We adhere to the same standards as car manufacturers.

## Housing :

Made from high-quality grade of steel according to Japanese Industrial Standard, ensuring high pressure endurance and rust resistance.



## Steel coil spring :

Made from rust-resistant, high-quality spring coils, each undergoes rigorous testing to ensure suitable spring strength and elasticity to follow the specifications of individual filter models.

## End Cap :

Made from high-quality steel, ensuring robustness, high-temperature endurance, and resistance to rust.

# CORNER OIL FILTER



## Corner Oil Filters Maintain your excellent engine performance.

Corner Oil Filters helps prevent dust, soot particles, metal particles and contaminants. Clean motor oil is essential to enhance engine's performance, prolong engine life, and reduce fuel consumption.

## Corner Oil Filter Features

Features	Benefits
<b>Components with High flexibility and sturdy steel</b>	<ul style="list-style-type: none"><li>-Efficiently forming, offering flexibility but robustness. It withstands high pressure and temperatures while remaining resilient against various external weather conditions.</li><li>-Made from high-quality steel, it ensures consistent surface thickness in every workpiece, providing exceptional endurance under high pressure.</li></ul>
<b>Specific grade of media paper for oil filter</b>	<ul style="list-style-type: none"><li>-Delivering high-efficiency filtration and an optimized filtration area following the specifications outlined by the car manufacturer.</li><li>-The use of thick media paper ensures endurance under high pressure and high oil temperatures, making it resistant to tearing and collapse.</li><li>-High-quality pulp and special chemicals combination significantly extend the service life of our filter.</li></ul>
<b>High-quality rubber</b>	<ul style="list-style-type: none"><li>-Comprehensive internal rubber production begins with a meticulous rubber chemical mixture process, guaranteeing high-quality components and exceptional resistance to ozone and oil corrosion for each workpiece.</li><li>-Long-lasting service life and durability in various external weather conditions.</li></ul>



# CORNER FUEL FILTER



**Corner Fuel Filters Keep your car running at full performance with our high-quality filters.**

Corner Fuel Filters helps to capture contaminants and small particles from the fuel to prevent foreign particles from entering the fuel injection system.

## Corner Fuel Filter Features

Features	Benefits
<b>Components with High flexibility and sturdy steel</b>	<ul style="list-style-type: none"><li>-Efficiently forming, offering flexibility but robustness. It withstands high pressure and temperatures while remaining resilient against various external weather conditions.</li><li>-Made from high-quality steel, it ensures consistent surface thickness in every workpiece, providing exceptional endurance under high pressure and vibration.</li></ul>
<b>Specific and various grades of media paper for fuel filter</b>	<ul style="list-style-type: none"><li>-Offering a range of paper media specifications that cater to over 30 years of car engines as well as new models, ensuring comprehensive compatibility across a wide spectrum of engine types.</li><li>-Delivering high efficiency in filtration and fine dust and small particles capturing ranging from 4-20 <math>\mu\text{m}</math>. Compatible with vehicles from Euro standards 1 to 6 and supports diesel B5 to B20 (Subject to car engine specification).</li></ul>
<b>High-quality rubber</b>	<ul style="list-style-type: none"><li>-Comprehensive internal rubber production begins with a meticulous rubber chemical mixture process, guaranteeing high-quality components and exceptional resistance to ozone and oil corrosion for each workpiece.</li><li>-Extended service life and durability to various external weather conditions.</li></ul>

# CORNER AIR FILTER



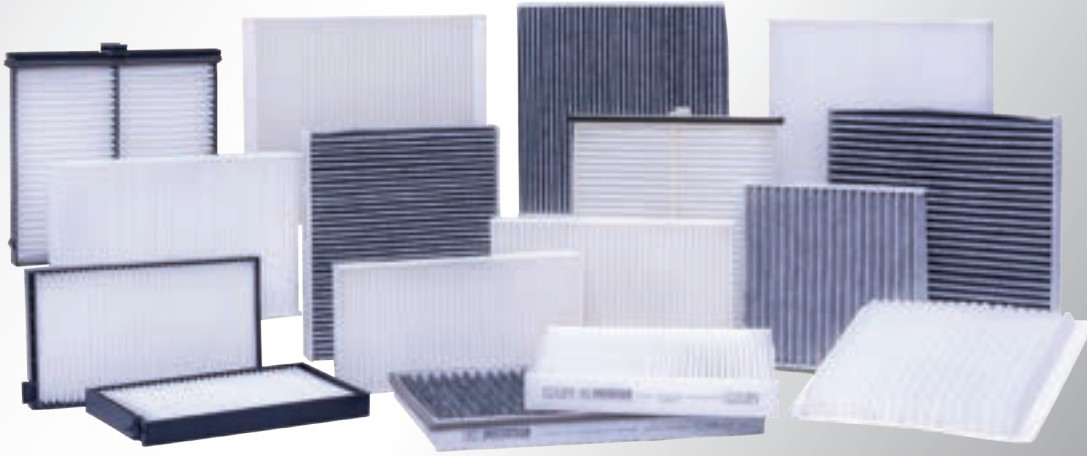
## Corner Air filters Enhance your car engine protection.

Corner air filters capture dust, dirt, and wear to protect your car engine from being damaged. This increases air permeability and improves engine performance.

## Corner Air Filter Features

Features	Benefits
<b>High-quality and elastic Polyurethane components</b>	<ul style="list-style-type: none"><li>-High-quality polyurethane, ensuring exceptional endurance against vibrations and impact pressure.</li><li>-Long service life</li><li>-Suitable for use in various weather conditions, including extreme heat, cold, and high-humidity environments.</li></ul>
<b>Hard type of Polyurethane glue</b>	<ul style="list-style-type: none"><li>-Humidity and High</li><li>-Temperature Endurance</li><li>-Adhesives with High Efficiency and Strong Bonding Properties.</li></ul>
<b>High-quality Nano Coating paper media</b>	<ul style="list-style-type: none"><li>-Sourced High-quality paper media from world-class suppliers that are equivalent to car manufacturers, ensuring high efficiency of filtration and long service life.</li><li>-A comprehensive range of paper media offers compatibility with vehicles ranging from Euro standards 1 to 6, meeting the high standards for required freshness and airflow rates.</li></ul>

# CORNER CABIN AIR FILTER



## Corner Cabin Air Filters Full the Fresh Air to your car interiors.

Corner cabin air filters capture dust and harmful emissions from the environment with high efficiency to provide cleanliness and safe air for passengers.

## Corner Cabin Air Filter Features

Features	Benefits
<b>High-quality paper media with a thermal support layer process.</b>	<ul style="list-style-type: none"><li>-High efficiency of filtration and filtration area.</li><li>-Long life service time.</li><li>-Increases air permeability in passenger cabin</li><li>-Free from any harmful chemicals that could affect passengers.</li></ul>
<b>High-quality Polyolefin Adhesive (Medical Grade)</b>	<ul style="list-style-type: none"><li>-No unpleasant or dangerous chemical odors are allowed to pass into the passenger cabin.</li></ul>
<b>Non-woven paper media side binding</b>	<ul style="list-style-type: none"><li>-Increase of filtration efficiency.</li><li>-Perfectly fitting and Easy to install.</li><li>-Free from any harmful chemicals that could affect passengers.</li></ul>



# PRODUCTION TECHNOLOGY AND QUALITY

## Production Technology and Quality Assurance Process

Boston Engineering Co.,Ltd. employs high-precision production technologies to standardize and preserve the high quality of our products, we have implemented advanced technological equipment to inspect raw materials, parts, and finished goods, to ensure that every piece of our products adheres to high-quality standards. Additionally, we focus on continuous research and development of our products.



# QUALITY INSPECTION PROCESS AND LABORATORY

## Quality Inspection Process and Internal Laboratory

Boston Engineering Co., Ltd. has established robust quality inspection and control processes by our professional and experienced quality assurance team to ensure that our products meet top-quality standards. Furthermore, we have set up a laboratory with international standard equipment and testing methods that comprehensively assess all aspects of our products. (ISO STANDARD & JIS STANDARD)



## Product Quality Testing list

Testing List	testing standard No.
HI-PRESSURE IMPULSE TESTER	ISO 4548-5
FILTER BURST STRENGTH TESTER	ISO 4548-6
FILTER ELEMENT BUBBLE TESTER	ISO 2942
ANTI-DRAIN BACK TESTER	ISO 4548-9
BY-PASS VALVE TESTER	ISO 4548-2
PAPER PORE SIZE TESTER	ISO 4003
PAPER MEDIA AIR PERMEABILITY TESTER	ISO 5636-5
PAPER MEDIA BURST STRENGTH TESTER	ISO 2758
RUBBER MOVING TESTER	ISO 6502-3
RUBBER MOONEY TESTER	ISO 289-1
RUBBER TENSILE TESTER	ISO 37

# QUALITY STANDARDS



## Quality certificate

Boston Engineering Co. Ltd. has committed to producing and delivering high-quality products while also prioritizing continuous product development. We have earned certification and recognition from various international standards and awards, such as ISO 9001:2015 from Intertek, Thailand Trusted Quality Mark, Green Industry Certification level 3, and a SASO Quality Mark and a CSR Award from the Ministry of Industry.

# BEST QUALITY







**CORNER**

**ISO 9001 : 2015 QUALITY CERTIFIED**