About Us

Anhui meiruier filter Co., Ltd., established in January 2009, is a national high-tech enterprise integrating R & D, production and sales of oil filter, diesel filter and air filter. It is the drafting unit of national machinery industry standards and a member of China internal combustion engine Association.

The company covers an area of more than 50000 square meters, with more than 200 employees and more than 30 professional and technical personnel. It has all kinds of production and test equipment, and its products are exported to Europe, America, the Middle East and other regions. It has established a complete sales network in various provinces and cities in China, and has matched with well-known OEM enterprises at home and abroad.

The company mainly produces oil filters, diesel filters, air filters, fuel-water separators, about 3000 varieties, the products are suitable for all kinds of vehicle models at home and abroad. Since its establishment, the company has established its own market brand with advanced production equipment, leading technology and technology level, and strict quality control means. The company successfully introduced the "ERP, OA, PLM, CRM" management system, realized the unified management of enterprise business process, improved the management of business collaboration ability, realized the electronic business flow of each department of the enterprise, and quickly realized the efficient management of the enterprise.

The company has 1 core invention patent related to its main business, including 6 invention patents in the trial stage, 15 core utility model technology patents, and 2 utility model patents in the actual trial stage. The company also cooperates with industry, University and Research Institute to meet the different needs of different customers at home and abroad. We signed the industry university research technology joint research and development agreement with Anhui Institute of engineering information, and started the research and development mode of university enterprise industry university research cooperation. Set up research and development projects, further improve the proportion of practical teaching, and improve the quality of training applied talents. Set up "meiruier" class to provide technical support and increase personnel reserve.

MREFILTER®

美瑞尔滤清器

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MREFILTER®

美瑞尔滤清器

滤清系统

FILTRATION SYSTEM



TÜVRheinland

IATF 16949:2016 质量管理体系认证企业



PRODUCT

OIL FILTER
FUEL FILTER
AIR FILTER
HYDROGEN ENERGY FILTER

公司简介

安徽美瑞尔滤清器有限公司成立于2009年1月，是一家集研发、生产、销售机油滤清器、柴油滤清器、空气滤清器为一体的国家高新技术企业，是国家机械行业标准起草单位，是中国内燃机协会会员。

公司占地面积70余亩，员工200余人，各类专业技术人员30余人，拥有各类生产试验设备，产品远销欧美、中东等地区以及在中国各省市建立了完善的销售网络，并与国内外知名主机企业配套。

公司主要生产机油滤清器、柴油滤清器、空气滤清器、油水分离器，约三千多个品种，产品适用于国内外各类车系车型。成立以来，公司已凭借先进的生产设备、领先的技术工艺水平、严格的品质控制手段塑造自己的市场品牌。公司成功导入“ERP、OA、PLM、CRM”管理系统，实现了企业业务流程统一管理，提升业务协同能力管理，实现企业各部门业务电子流转、快速实现企业高效管理。

公司拥有与主营业务有关的核心发明专利1项，其中申报发明专利处于实审阶段有6项，核心实用新型技术专利15项，申报实用新型专利处于实审阶段有2项，并产学研合作，满足国内外不同客户的不同需要。与安徽信息工程学院签订产学研技术联合研发协议，开启校企产学研合作研发模式。设立研发项目，进一步提高实践教学的比重，提高应用型人才的培养质量。组建 “美瑞尔” 班，为美瑞尔提供技术支撑，增加人员储备。

专注动力洁净

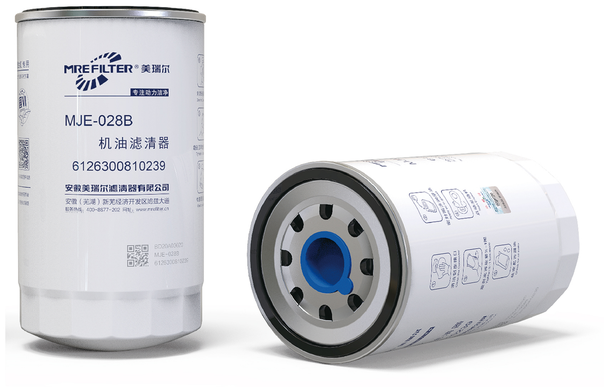
机油滤清器
OIL FILTER

采用多层复合梯度过滤材料，优化结构设计，具有以下显著优势:

Using multi-layer composite gradient filter material and optimizing structure design, it has the following significant advantages

整体结构优化，可靠性大大提升 (如耐脉冲性能可达100万次以上)

The overall structure is optimized, and the reliability is greatly improved (for example, the pulse resistance performance can reach more than 1 million times)



过滤效率高，容尘量大，使用寿命长

High filtration efficiency, Large dust capacity, long service life

过滤材料嵌入多种合成纤维甚至采用全合成纤维，强度更高、耐高油温老化性能更强

The filter material is embedded with a variety of synthetic fibers, even full synthetic fibers, with higher strength and better resistance to high oil temperature aging.

燃油滤清器
FUEL FILTER

国III以上柴油过滤系统主要采用高压共轨系统(HPCR)，它普遍配置双级过滤，预滤器过滤绝大部分的水和大颗粒杂质，精滤器过滤小颗粒杂质。

The HPCR is mainly used in the diesel oil filtration system above Euro 3. The pre filter filters most of the water and large particles of impurities, and the fine filter filters the small particles of impurities.

底座：手泵便于用户更换油水分离器后能顺利排出油路中的空气，保证滤清器过滤顺畅和发动机正常运行。

Filter Base: Ensure the smooth filtration of the filter and the normal operation of the engine.



螺纹盖板：有足够强度，螺牙采用挤压丝工艺，尺寸精准，美观耐用。

Screw cover plate: Sufficient strength, screw thread extrusion process, accurate size, beautiful and durable.

密封圈：HNBR材质，耐油，耐温达-40℃~140℃，性能稳定，耐老化能力强。

Sealing ring: HNBR material, oil resistance, temperature resistance up to - 40 ℃ ~ 140 ℃, stable performance, strong aging resistance.

滤纸：进口奥斯龙滤纸，更高的过滤效率与油水分离效率，多层高容尘量，延长滤清器使用寿命

Filter paper: imported Ahlstrom filter paper, higher filtration efficiency, multi-layer high dust capacity, prolong the filter service life.

中心管：无金属滤芯设计，确保无锈

Central tube: no metal filter element design, ensure no rust

壳体：选用优质镀锌钢材，品质高，使用寿命长。

Body or housing: high quality galvanized steel, high quality, long service life.

透明集水杯：优质、稳定的塑胶材料,经过脉冲及高低温试验，抗撞击，耐使用, 低温不开裂，高温不变形，在密封圈的配合下确保无泄漏。

Transparent water collecting cup: High-quality, stable plastic materials, anti-impact, resistant to use, no cracking at low temperature, no deformation at high temperature, no leakage under the cooperation of the sealing ring.

空气滤清器
AIR FILTER

美瑞尔在货车和客车上采用双级过滤方案

Meiruier adopts two-stage filtration scheme on Trucks and buses

第一级为粗过滤，通过叶片环实现离心分离，叶片环是空滤器总成中内置的一个功能部件。空气以一定的速度旋转，在离心力的作用下，经过一定的升程，空气中较大质量的粒子被甩到外围，最后沉积到储灰盘或排尘袋中。此种离心分离一般可将80%质量分数的颗粒物分离，大大延长了滤芯的使用寿命。

The first stage is coarse filtration. Centrifugal separation is realized by blade ring, which is a functional component built in the air filter assembly. This kind of centrifugal separation can generally separate 80% mass fraction of particulate matter, greatly extending the service life of the filter element.



第二级为高性能纸质滤芯，经过粗滤芯夹杂着剩余很细颗粒的空气继续前进遇到空滤器滤芯，滤芯的主要组成部分滤纸将完成对细小微粒的拦截作用。滤纸采用先进的复合材料技术（近年来甚至采用纳米材料复合），过滤效率更高，使用寿命更长，这是发动机空气过滤技术一次里程碑式的飞跃。

The second stage is a high-performance paper filter element. The filter paper adopts advanced composite material technology (in recent years, even nano material composite) with higher filtration efficiency and longer service life, which is a milestone leap of engine air filtration technology.

氢能源滤清器
HYDROGEN ENERGY FILTER

阻力小
Small resistance

流量大
Large flow

效率高
High efficiency

气体吸附能力强
Strong gas adsorption capacity

氢能源电堆用空气滤清器其主要功能是为氢燃料电堆提供清洁的空气

The main function of **air filter for hydrogen fuel stack** is to provide clean air for hydrogen fuel stack



氢能源电堆用空气滤清器
Air filter for hydrogen power stack

氢能源电堆用去离子器
Deionizer filter for hydrogen power stack



氢能源电堆用去离子器其主要功能是通过内部树脂吸附其他零部件析出的离子维持系统冷却水路的电导率，保证燃料电池系统正常工作

The main function of the **deionizer filter for hydrogen energy stack** is to maintain the conductivity of the cooling water circuit of the system through the internal resin to absorb the ions precipitated from other parts, so as to ensure the normal operation of the combustion battery system

OIL FILTER
FUEL FILTER
AIR FILTER
HYDROGEN ENERGY FILTER