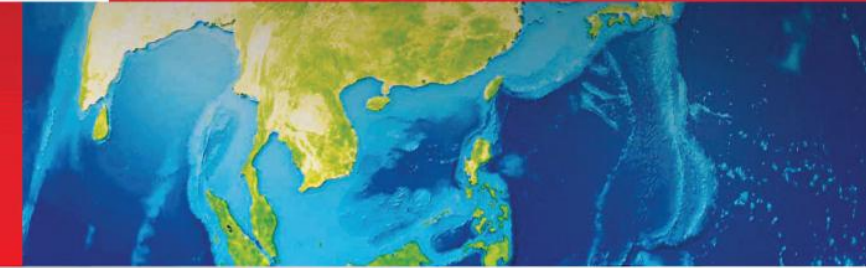


FOCUSED IN OUR MISSION AND GROWS FROM STRENGTH TO STRENGTH WITH OUR CUSTOMERS

Indoor Air Quality Provider



MAYAIR MayAir International Group

Companies of MayAir International Group:

MayAir International Sdn. Bhd.
MayAir Manufacturing (M) Sdn. Bhd.
MayAir (SEA) Sdn. Bhd.
MayAir Technology (Nanjing) Co., Ltd.
MayAir Technology (Shanghai) Co., Ltd.
MayAir Technology (Zhongshan) Co., Ltd.
MayAir Air Filtration Equipment (Nanjing) Co., Ltd.
MayAir R&D Centre Sdn. Bhd

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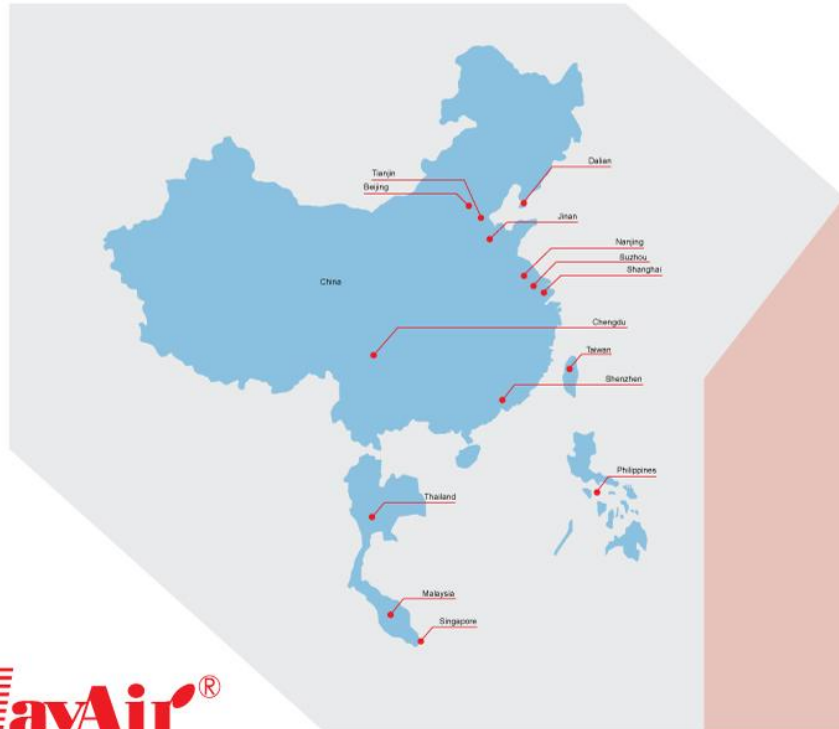
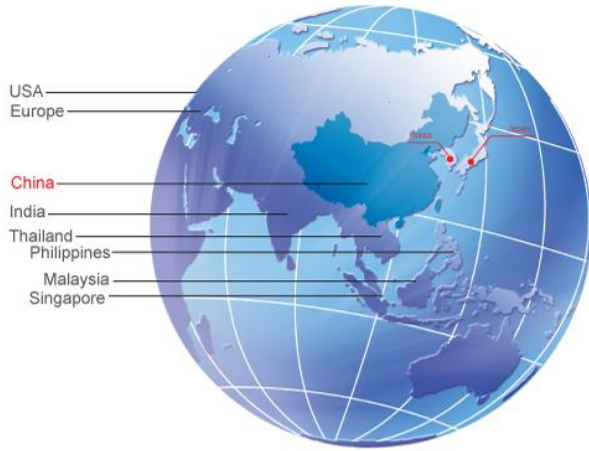
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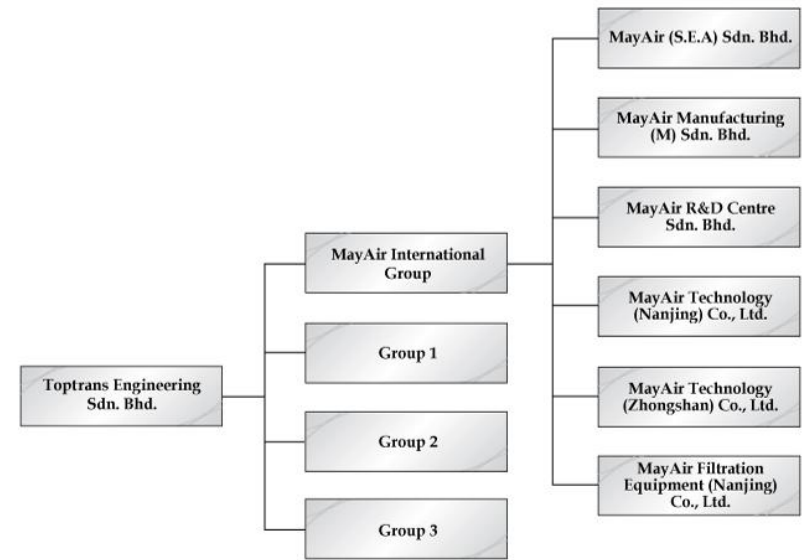
www.MAYAIRGROUP.com

MayAir[®]
Indoor Air Quality Provider

MAYAIR GROUP'S GLOBAL STRATEGY



MayAir International Group of Company



MayAir international group of company is a leading company in air filtration industry, providing large spectrum of air filtration products including equipment, particulate filter, chemical filter, self-regulating filtration equipment, fan filter unit, containment system & accessories, kitchen exhaust system, electronic air cleaner products and etc.

MayAir was established in Malaysia with and MayAir has more than 20 years of experience in providing a complete solution to Indoor Air Quality. MayAir have 3 (three) manufacturing factories located in Malaysia and China, producing environmental control product to fulfil our client demand. In order to provide world class Indoor Air Quality solution to our customers, MayAir has an advanced R&D centre equipped with the latest engineering technology and testing instruments based on European standards, to ensure product quality and performance.

MayAir is a widely accepted brand by our customer in various industries, including microelectronics, paper pulp, refineries, data centre, food processing, commercial air-conditions system, automobile spraying, biology medical treatment, laboratory, pharmaceutical and etc.

MayAir is willing to put our wisdom and efforts in the forefront of development of the industry, through long-term, stability and a wide range of strategic for global customer to create a better future.



MAYAIR

MayAir Technology(Nanjing) Co.,Ltd.

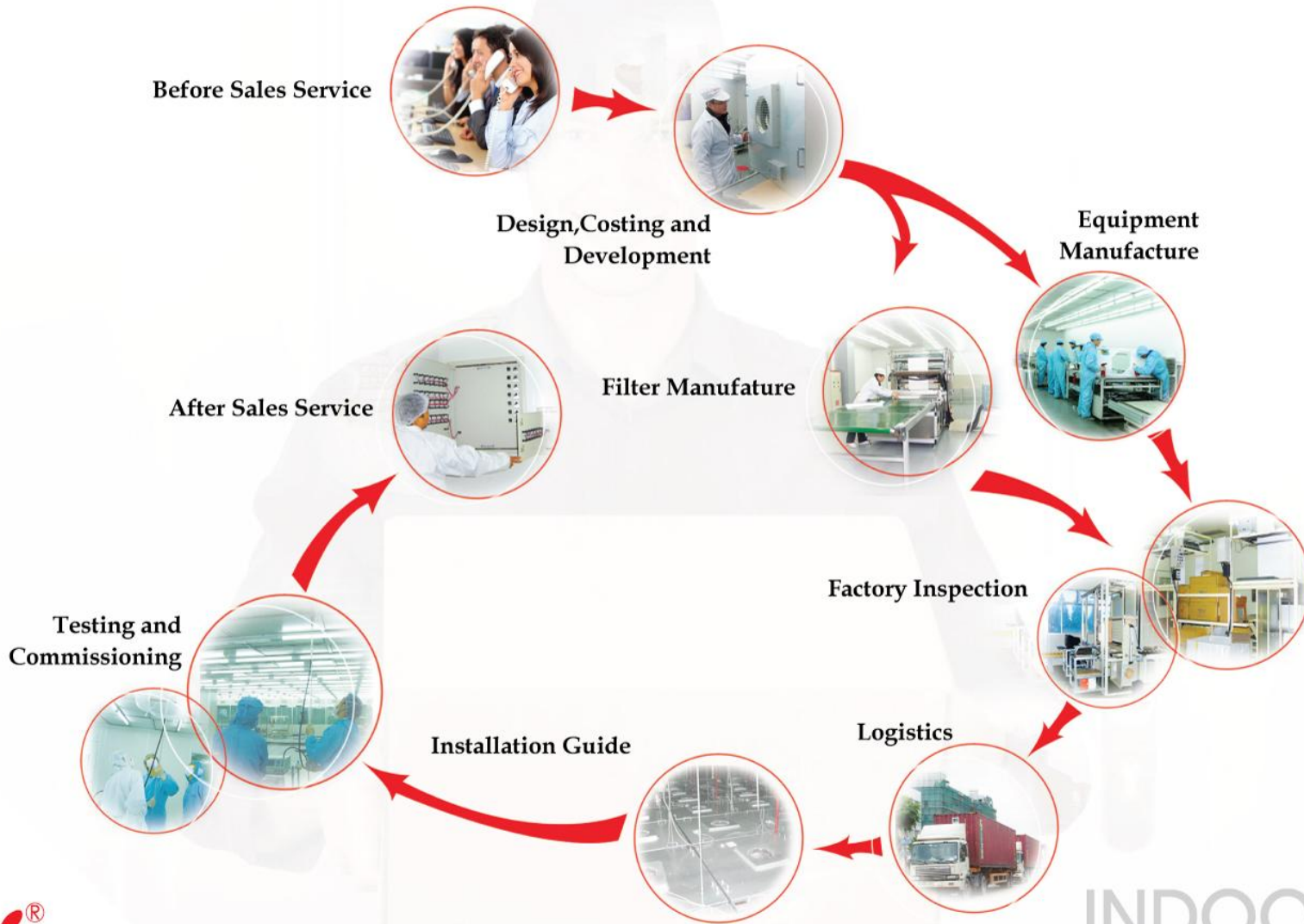


INDOOR
AIR QUALITY
PROVIDER

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SERVICE FLOW



Air Filtration Products



M-DP

M-DP (usually use as pre-filter in HVAC system to capture bigger particles in order to pro-long the life span of high efficiency filters)
 Advantages:

- Sturdy and rigid beverage board frame
- High quality & environment friendly synthetic media
- Equally pleated media supported by wire mesh
- High performance in high humidity & moisture environment
- Disposable type



M-Wash

M-Wash (used as a pre-filter for industrial and commercial HVAC system in air handling unit (AHU) and other ventilation systems.)
 Advantages:

- Easy-to-assemble frame
- High dust-holding capacity
- Washable medi



M-Pack

M-Pack (Application for pharmaceutical, automotive, semi-conductor, cleanroom system, general industry and commercial buildings HVAC system.)
 Advantages:

- High dust-holding capacity, low initial resistance
- High performance synthetic fiber
- Pocket are ultrasonically sealed



M-Pack

M-MI (Application for aviation, electronics, pharmaceutical and bio-engineering HVAC system.)
 Advantages:

- Aluminium clapboard
- High efficiency with low resistance
- High dust loading capacity

M-MII (Designed for high quality air requirement with limited installation space.)
 Advantages:

- Mini pleat filter with high dust holding capacity
- Light weight & easy to install
- Sturdy, rigid construction
- Space saving design
- Low initial pressure drop hence low operating cost

M-MV (Designed for high quality air requirement with limited installation space.)
 Advantages:

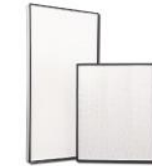
- Mini pleat filter with high dust holding capacity
- Light weight & easy to install
- Sturdy, rigid construction
- Space saving design
- Low initial pressure drop hence low operating cost

M-HI (widely used in area of contamination in various industries)
 Advantages:

- Mini Pleat design reduces operating cost.
- Widely accepted; Compact structure save storage space.
- Very thin design save installation space

M-HV (Suitable for turbulence air flow and steady air flow) Advantages:

- V-shaped design with low air resistance
- Mini pleat design with high performance glass fiber media
- High dust holding capacity and long service file.



M-MII



M-MV



M-HI



M-HI

MayAir Product Model	Efficiency												Frame Material								
	Average Arrestance Efficiency (ASHRAE 52.1-92), %			Average Dust Spot Efficiency, %						EN 1822 Standard MPPS Efficiency, %			Paper Board	Galvalume	Aluminium	Stainless Steel	ABS	GI			
	65-80	80-85	90-95	40-55	60-65	80-85	90-95	>90	99.95	99.995	99.9995	9.99995									
	EN 779 Classification																				
	G2	G3	G4	F5	F6	F7	F8	F9	H13	H14	U15	U16									
M-DP			x										x								
M-Wash	x	x	x													x	x				x
M-Pack		x	x	x	x	x	x	x								x	x	x			x
M-MI			x	x	x	x	x	x								x	x	x			
M-MII						x	x	x	x												
M-MV																					
M-HI										x	x			x	x						
M-HII										x	x			x	x						
M-HV										x	x			x	x						



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Fan Filter Unit



Fan Filter Unit

- High quality, efficient & low noise level motor with external rotor type backward curved centrifugal fan.
- Room-Side Replaceable filters (RSR) designs minimize downtime and make quick filter changes available.
- Low profile casing designs to save more space.

HEPA Box



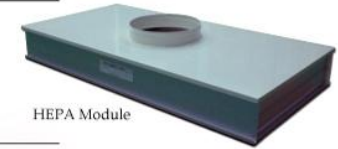
HEPA Box

- Easy to Install and Maintain.
- Unique seal design, well-sealed.
- Unique internal flow design, uniform flow.
- Low profile casing design and more versatile.

HEPA Module

Disposable HEPA Module (M-CAM)

- Closed-end integrated structure, well-sealed.
- High efficiency, low resistance, uniform flow
- Low profile casing designs to save more space.
- Stringent leak test scan



HEPA Module

Containment System (Bag-In-Bag-Out System)

- Versatile modular components giving greater flexibility.
- All welded construction using state of the art manufacturing techniques.
- Available in polyester powder coated mild steel or self-finished stainless steel.
- Continuously welded safe change spigot as standard.
- All systems pressure tested prior to delivery.
- On-site Testing & Commissioning.



Containment System

Indoor Recirculation Unit (IRU) is a standalone system designed to recirculate and clean air within controlled environments. It can also use in conjunction with MayAir's Indoor Pressurization Unit. The IRU is designed to filter indoor environment to maintain low corrosive gas levels in industrial environments, such as refineries, petrochemical plants, pulp and paper mills as well as other process industries.

Indoor Pressurization Unit (IPU) is a standalone system designed to recirculate and clean air within controlled environments. It can also use in conjunction with MayAir's Indoor Recirculation Unit. The IPU is designed to filter indoor environment to maintain low corrosive gas levels in industrial environments, such as refineries, petrochemical plants, pulp and paper mills as well as other process industries.

Side Access Housing (SAH) is designed to remove both particulate and gaseous pollutants for general odor and corrosion control in industrial and commercial environments.



Indoor Recirculation Unit (IRU)



Indoor Pressurization Unit (IPU)



Side Access Housing (SAH)

AMC Filters

AMC filters are a non-woven fabrics and chemical media/media combination of the new filter. Its presence can be combined with the HVAC System, e.g. PURO-F (installed on Fan Filter Unit) & PURO-C/PURO-V (installed in AHU) to remove a variety of gaseous pollutants/contaminants, especially for VOC, Acid, Base and Dopants.

Advantages:

- Low, constant system pressure drop
- Reduced HVAC system operating costs
- Easy system maintenance procedures
- Improved indoor air quality



PURO-C



PURO-F



PURO-V

Activated Carbon Filters (Odourfil)

Effective in controlling odors and noxious vapors range.

Advantages:

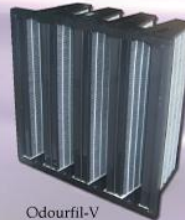
- Low initial pressure drop
- Maximized carbon surface area
- Consistent carbon distribution
- High holding capacity and high volume filtration area



Odourfil-D



Odourfil-R



Odourfil-V

Media

1. Activated Carbon-Based Media

The physical properties of activated carbon-based media make them appropriate for a variety of different applications. These media may either be composed of a non-impregnated, extruded carbon, or an impregnated carbon for removal of specific gaseous contaminants.

2. Activated Alumina Based media

The media substrate chosen for impregnation of the active ingredient plays a critical role in maximizing the media's gas removal capabilities. Activated alumina offers more surface area, due to its highly porous nature. With more surface area available within the media, more unwanted gaseous contaminants are removed by the active ingredient.

3. Blend media

The Combination of gaseous contaminants often requires the use of both physically adsorptive and chemically adsorptive media.



MayAir Blend Media



C-11000



P-11000



S-11000

Module

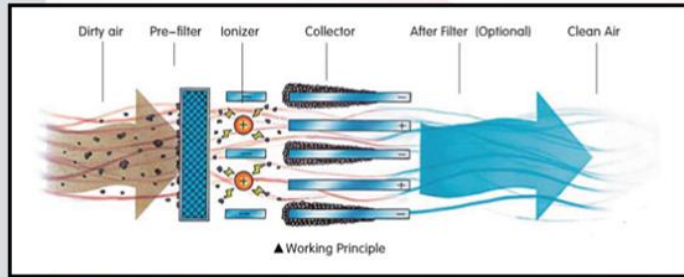
Module is maintenance-free and comes to you ready to be installed. When the media is spent the old module is simple replaced with a new one. The module slides easily into and out of the air purification system on tracking.



MM-12

Electronics Air Cleaner

Principle of Work



With an electronic air cleaner, air is drawn into the unit and passes through a perforated pre-filter to capture large particles. The airborne particles then pass through an electronic field and receive an electrical charge. The charged particles move into a collector section where each alternate plate is charged with the same polarity as the particles, and repels them; the other set of plates is grounded, which attracts and collects the particles. The remaining air, cleaned up to 95% of its impurities, is then returned to the plant or building.

Electronic Air Cleaner is a method of dust collection that uses electrostatic forces, and consists of discharge wires and collecting plates. A high voltage is applied to the discharge wires to form an electrical field between the wires and the collecting plates, and also ionizes the gas around the discharge wires to supply ions. When gas that contains an aerosol (dust, mist) flows between the collecting plates and the discharge wires, the aerosol particles in the gas are charged by the ions. The Coulomb force caused by the electric field causes the charged particles to be collected on the collecting plates, and the gas is purified.

Advantages:

- Modular design, ease for installation and maintenance.
- Energy saving effectively reducing operation cost.
- High efficient purification

HVAC Application

The Electronic Air Cleaner can greatly improve indoor air quality, so it is widely used in buildings. There are four main reasons:

Pollution Reduction: Unpurified air can pollute the walls and ceiling, and will harm the people's health. The electrostatic filter can remove pollutants, so as to reduce the maintenance costs of housing.

Energy saving: The high-voltage electrostatic capture particle technology is different from traditional physical filtration. The resistance is very small. Energy consumption of the air which goes through the electrostatic filter is only 1/8 - 1/10 of the traditional amount. So it can save much energy consumption for air-conditioning systems.

Sterilization and Disinfection: The traditional media filter can absorb bacteria but there will breed bacteria again and produce secondary pollution. However, Electrostatic filters can destroy the cell walls of bacteria to kill bacteria through the high voltage electric field.

Environmental Protection and Economy: Media filters usually require frequent replacement, so owners need to re-purchase and spend money to dispose of the abandoned filter. While the electrostatic filter can be washed repeatedly, it is very environmentally friendly and economical.

Electronics Air Cleaner

