

## ASIA GREENTECH (MALAYSIA) SDN.BHD

Asia Greentech (Malaysia) Sdn. Bhd. is a specialist supplier to the metal surface treatment, and industrial manufacturing sectors, delivering reliable, efficient, and application-driven dust collection and air pollution control solutions for a wide range of industries.

The Company design, manufacture, and supply complete dust collector systems, including source-level fume and dust extraction, ducting, filtration units, scrubbers, and supporting environmental protection and wastewater treatment solutions. Each system is engineered to ensure effective emission control, stable operation, and long-term performance under demanding industrial conditions.

Asia Greentech offers end-to-end project support, from process evaluation and system design through fabrication, system integration, installation, and commissioning. By delivering fully integrated, turnkey environmental solutions, we help customers improve workplace safety, enhance operational efficiency, and achieve compliance with environmental and regulatory standards.

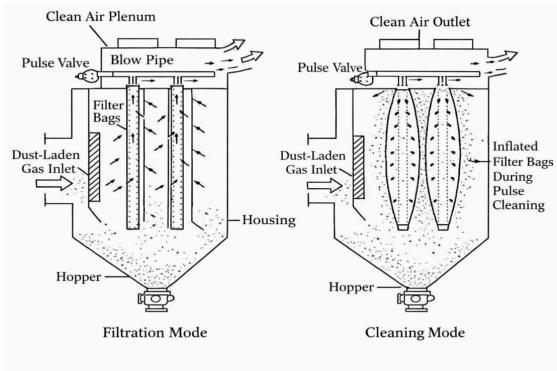


# Types of Dust Collector Systems

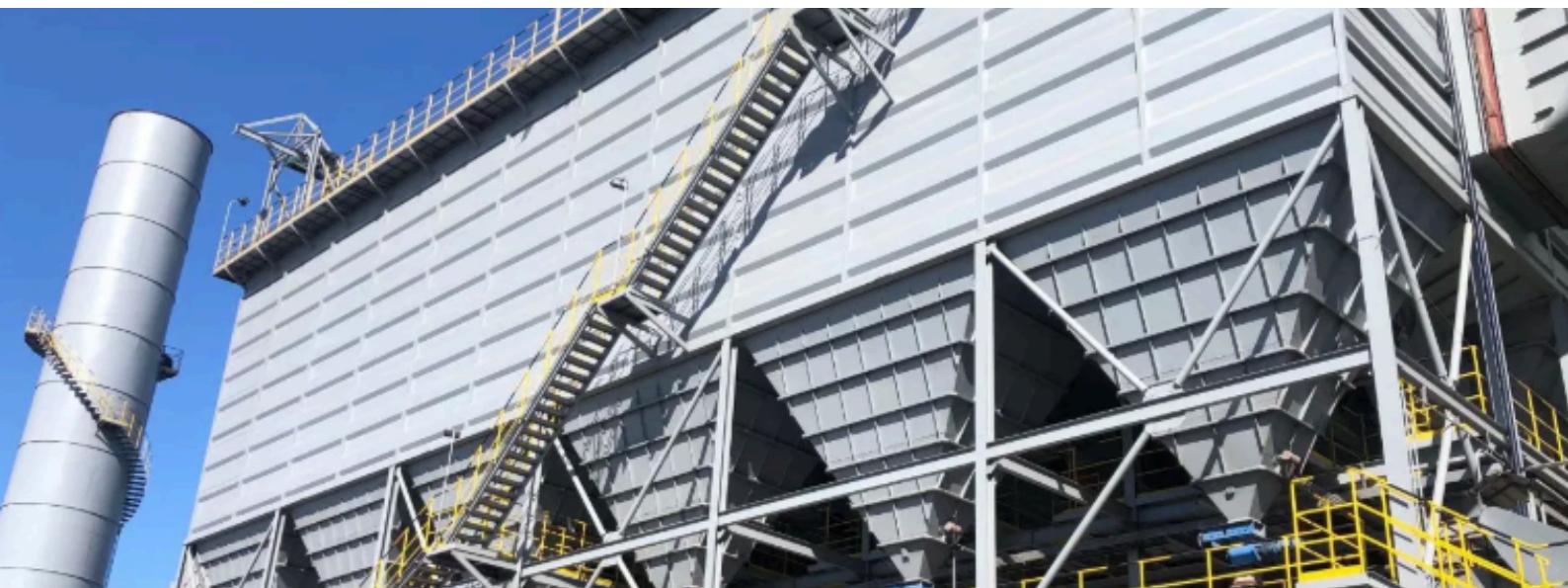
## Bag Filter Dust Collectors

High-Efficiency Filtration for Continuous Operation. Bag filter dust collectors are designed for heavy and fine dust loads, making them ideal for continuous and demanding industrial processes. With high filtration efficiency and stable airflow performance, these systems ensure reliable dust removal even under high dust concentrations.

### Key Advantages



- **Excellent filtration efficiency for fine and heavy dust**
- **Suitable for continuous, high-load industrial operation**
- **Modular design for flexible capacity expansion**
- **Long filter bag service life with low maintenance**



# Types of Dust Collector Systems

## Cartridge Dust Collectors

Compact & Space-Saving Filtration Solutions

Cartridge dust collectors offer an efficient solution for light to medium dust generation areas where space is limited. Their compact footprint and high filtration efficiency make them ideal for workshops, production lines, and localized dust control applications.



## Key Advantages

- Compact, space-saving system design
- High filtration efficiency with low pressure loss
- Easy filter replacement and maintenance
- Energy-efficient operation

# Types of Dust Collector Systems



## Cyclone Dust Collectors

**Robust Pre-Separation for Coarse Dust**

Cyclone dust collectors are rugged pre-separation units designed to remove coarse dust particles and high-temperature dust before downstream filtration. They are often used to reduce dust load and extend the service life of main filter systems.

## Key Advantages

- **Simple, robust construction with low operating cost**
- **Effective separation of coarse and heavy dust**
- **Suitable for high-temperature applications**
- **Reduces load on downstream filtration systems**

## Ceramic Dust Collector Systems

Engineered for extreme temperatures and corrosive conditions, ceramic dust collector systems provide stable filtration performance, long service life, and reliable emission control where conventional filters fail.

## Key Advantages

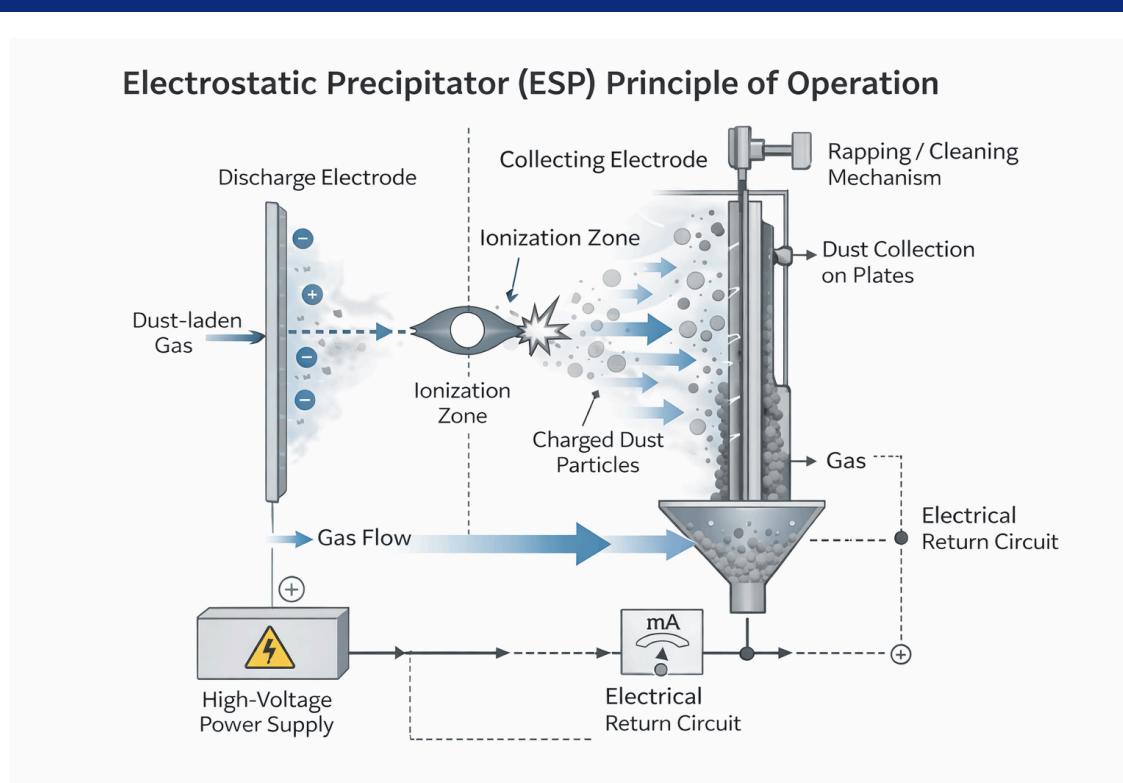
- **Excellent resistance to high temperature and corrosion**
- **Long service life with stable filtration efficiency**
- **Suitable for metallurgical, chemical, and energy industries**
- **Reliable operation in demanding environments**



# Types of Dust Collector Systems

## Electrostatic Precipitator (ESP) systems

Designed for high-temperature, high-volume processes, ESP systems provide efficient particulate removal with low pressure loss and reliable continuous operation through advanced electrostatic separation and automated dust discharge.



## Key Advantages

- **Low system pressure loss**
- **High particulate removal efficiency**
- **Low operating and maintenance costs**
- **Moderate power consumption**
- **Suitable for automated and unattended operation**
- **Robust design for continuous industrial service**

# System Design & Components

## Engineered for Reliability, Efficiency & Safety

Asia Greentech dust collection systems combine high-efficiency filtration with integrated safety-focused engineering to deliver reliable, compliant performance in demanding industrial environments. Each system features optimized dust collection hoods, airflow-balanced ducting, high-efficiency industrial fans and blowers, and filter options including bag, cartridge, or ceramic media, supported by automatic pulse-jet cleaning for stable operation. Advanced safety provisions such as ATEX-ready design options, spark arrestors, fire-prevention configurations, and pressure relief or explosion venting enhance protection for both personnel and equipment. Corrosion-resistant construction and secure dust discharge design further ensure durability, while the overall system is optimized for low energy consumption, long service life, and reduced lifecycle cost, meeting stringent safety and regulatory requirements.

### PROJECT CASES





**ASIA GREENTECH (MALAYSIA) SDN BHD**

202501023221 (1624634-M)

No. 83 (First Floor), Jalan Pusat Perniagaan Raja Uda 2  
Pusat Perniagaan Raja Uda, 12300 Butterworth, Pulau Pinang

[www.asia-greentech.com](http://www.asia-greentech.com)  
[sales@asia-greentech.com](mailto:sales@asia-greentech.com)