

# Global Nozzle Static Eliminators Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Nozzle Static Eliminators market size is expected to reach \$ 182 million by 2032, rising at a market growth of 6.3% CAGR during the forecast period (2026-2032). In 2025, global Nozzle Static Eliminator reached approximately 618.4 Units, with an average global market price of around 187 USD per Units.

An Nozzle Static Eliminator is a localized static neutralization device that uses compressed air combined with ion generation to remove static electric charges from targeted objects or surfaces. The nozzle emits a focused stream of ionized air containing balanced positive and negative ions, which neutralize electrostatic charges on materials while simultaneously blowing away dust or particles. Ionizing nozzles are designed for point-of-use or spot treatment, making them especially effective for applications requiring precise, fast, and directional static elimination. They are commonly installed on automated equipment, robotic arms, or manual workstations, and are widely used where grounding is impractical or impossible.

The upstream core components of an Nozzle Static Eliminator include titanium, tungsten, silicon electrode needles, plastic and metal housings, etc. Typical suppliers include Mitsuwa Electric, A&D, Moritahari, and Okuda Seishin Factory. Downstream applications are mainly in electronics manufacturing, food, pharmaceuticals, plastics, automotive, printing, and textiles. Typical customers include TSMC, Intel, Micron, SMIC, Yangtze Memory Technologies, Huawei, Foxconn, Xiaomi, BYD, Tesla, CATL, etc. The single-line capacity of an Nozzle Static Eliminator depends on the product type, the level of automation of the production line, the company's technological level, and the production model. A single line can achieve an annual capacity of 30,000-60,000 units to meet the rapidly growing demand for electrostatic control equipment in different application fields.

The gross profit margin of an Nozzle Static Eliminator is generally in the range of 35%-45%, with high-performance ion generators having higher gross profit margins due

to their higher technological content.

Based on the principle of ionization equilibrium, the Nozzle Static Eliminator precisely neutralizes the static charge accumulated on the surface of a target object by releasing equal amounts of positive and negative ions. It is an indispensable core component for electrostatic discharge (ESD) protection in industrial production and precision manufacturing. It comprehensively covers diverse scenarios such as electronics manufacturing, food and pharmaceuticals, plastics, automotive, printing, and textiles, providing reliable protection against product damage, dust adsorption, and safety hazards caused by static electricity.

The Nozzle Static Eliminator precisely addresses core pain points in modern industrial development with its unique technological advantages: its efficient ion release and rapid neutralization capabilities solve the key problems of ESD-induced breakdown of sensitive components and reduced product yield in precision manufacturing; its customized design for special environments such as cleanrooms bridges the contradiction between ESD protection and environmental requirements in high-end manufacturing scenarios; and its intelligent real-time monitoring and automatic adjustment functions overcome the shortcomings of traditional equipment, such as unstable performance and reliance on manual control. Currently, the global manufacturing industry's transformation towards precision and intelligence is driving a continuous upgrade in the rigid demand for electrostatic discharge (ESD) protection across various industries. The rapid expansion of emerging industries such as new energy and semiconductors, along with the higher requirements for automated production line integration in intelligent manufacturing, collectively constitute the core driving force for industry development, injecting strong momentum into equipment technology iteration and market expansion.

In the future, the Nozzle Static Eliminator industry will unleash vast growth potential through technological innovation and scenario expansion. With the deep integration of IoT and big data technologies, equipment will continue to advance towards intelligence and digitalization, further improving the safety and efficiency of industrial production. Application scenarios will continue to penetrate from traditional industrial fields to emerging tracks such as new energy vehicles, biomedicine, and flexible electronics. Simultaneously, under the dual opportunities of import substitution in high-end manufacturing and global market expansion, the market boundaries will continue to broaden. As a key foundational equipment ensuring high-end manufacturing quality and industrial production safety, the Nozzle Static Eliminator industry will deeply align with the global industrial upgrading trend, further highlighting its technological value and market potential, making its development prospects promising.

This report studies the global Nozzle Static Eliminators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nozzle Static Eliminators and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Nozzle Static Eliminators that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Nozzle Static Eliminators total production and demand, 2021-2032, (K Units)

Global Nozzle Static Eliminators total production value, 2021-2032, (USD Million)

Global Nozzle Static Eliminators production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Nozzle Static Eliminators consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Nozzle Static Eliminators domestic production, consumption, key domestic manufacturers and share

Global Nozzle Static Eliminators production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Nozzle Static Eliminators production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Nozzle Static Eliminators production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Nozzle Static Eliminators market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KEYENCE, Simco-Ion, SMC, Panasonic, OMRON, Shishido Electrostatic, Sunje HI-TEK CO.,Ltd, Meech International, KASUGA DENKI, VESSEL, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Nozzle Static Eliminators market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Nozzle Static Eliminators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Nozzle Static Eliminators Market, Segmentation by Type:

DC Type

AC Type

Global Nozzle Static Eliminators Market, Segmentation by Gas Source:

External Air Source Type

Internal Fan Type

Global Nozzle Static Eliminators Market, Segmentation by Usage:

Fixed Type

Handheld Type

Global Nozzle Static Eliminators Market, Segmentation by Application:

Electronic Information Manufacturing

Food and Pharmaceutical Industry

Plastic Industry

Automobile Industry

Printing Industry

Textile Industry

Others

### **Companies Profiled:**

KEYENCE

Simco-Ion

SMC

Panasonic

OMRON

Shishido Electrostatic

Sunje HI-TEK CO.,Ltd

Meech International

KASUGA DENKI

VESSEL

TRINK

VSI

NRD

KOGANEI

HAUG

Fraser

Hamamatsu Photonics

Suzhou TA&A Ultra Clean Technology

Shimadzu

Desco Industries

KESD

ELCOWA

Shanghai Anping Static Technology

EXAIR

Transforming Technologies

Shanghai qipu electrostatic technology

Shanghai SODRON Automatic

Core Insight

Tronovo

Bondline Electronics Ltd

SHENZHEN SENPUM ELECTIRC

Wuxi Yanping Electronic Technology

Shenzhen Horb Technology

**Key Questions Answered:**

1. How big is the global Nozzle Static Eliminators market?
2. What is the demand of the global Nozzle Static Eliminators market?
3. What is the year over year growth of the global Nozzle Static Eliminators market?
4. What is the production and production value of the global Nozzle Static Eliminators market?
5. Who are the key producers in the global Nozzle Static Eliminators market?
6. What are the growth factors driving the market demand?

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