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Global Plasma DC Power Supply Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Plasma DC Power Supply market size is expected to reach $ 1549 million by 2032, rising at a market growth of 8.0% CAGR during the forecast period (2026-2032).

In 2025, global Plasma DC Power Supply production reached approximately 29k units, with an average global market price of around US$30k per unit.

A plasma DC power supply converts facility AC into tightly regulated DC output for plasma process power delivery. The most common use is DC magnetron sputtering and vacuum coating, where controllable voltage/current/power is applied to targets/electrodes. Built-in arc detection and suppression help sustain stable plasma and improve film quality and yield.

Upstream includes power devices & control (IGBT/MOSFET, drivers/controllers), magnetics/passives, sensing/isolation, cooling hardware (air/water), HV/RF cables & connectors, plus chassis/EMI materials—supplied by firms such as Infineon, Wolfspeed, Mitsubishi Electric, TDK, Murata, and Amphenol. Downstream comprises plasma tool OEMs/system integrators and end users in PVD/PECVD vacuum coating, semiconductor/display thin-film processes, hard coatings, and industrial surface treatment—represented by Applied Materials, Lam Research, Tokyo Electron, and fabs/IDMs like TSMC, Samsung, and Intel.

The annual production capacity of a single-line Plasma DC Power Supply is approximately 1k units, with a gross profit margin of approximately 30%-55%.

This report studies the global Plasma DC Power Supply production, demand, key manufacturers, and key regions.

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This report is a detailed and comprehensive analysis of the world market for Plasma DC Power Supply 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 Plasma DC Power Supply that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Plasma DC Power Supply total production and demand, 2021-2032, (K Units)
Global Plasma DC Power Supply total production value, 2021-2032, (USD Million)
Global Plasma DC Power Supply production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global Plasma DC Power Supply consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: Plasma DC Power Supply domestic production, consumption, key domestic manufacturers and share
Global Plasma DC Power Supply production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)
Global Plasma DC Power Supply production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global Plasma DC Power Supply production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Plasma DC Power Supply 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 Advanced Energy, TRUMPF Huettinger, Comet Group, Prodrive, MKS Inc., DAIHEN Corporation, CSL Vacuum, Injet, Aurasky, 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 Plasma DC Power Supply 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

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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 Plasma DC Power Supply Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Plasma DC Power Supply Market, Segmentation by Type:

Air-cooled

Water-cooled

Global Plasma DC Power Supply Market, Segmentation by Output Power Level:

100W-1kW

1kW-10kW

?10kW

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Global Plasma DC Power Supply Market, Segmentation by Application:

Semiconductors

Photovoltaics

Display Panels

Others

Companies Profiled:

Advanced Energy

TRUMPF Huettinger

Comet Group

Prodrive

MKS Inc.

DAIHEN Corporation

CSL Vacuum

Injet

Aurasky

Key Questions Answered:

1. How big is the global Plasma DC Power Supply market?
2. What is the demand of the global Plasma DC Power Supply market?
3. What is the year over year growth of the global Plasma DC Power Supply market?
4. What is the production and production value of the global Plasma DC Power Supply market?
5. Who are the key producers in the global Plasma DC Power Supply market?

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6. What are the growth factors driving the market demand?

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