

Triggered Vacuum Spark Gaps Market - Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/T4C3FB5DDDBCEN.html>

Date: January 2022

Pages: 73

Price: US\$ 3,250.00 (Single User License)

ID: T4C3FB5DDDBCEN

Abstracts

Triggered vacuum gaps, or sprytrons, resemble triggered spark gaps both in appearance and construction but rely on a different operating principle. A triggered vacuum gap consists of three electrodes in an airtight glass or ceramic envelope that has been evacuated. This means that, unlike a triggered spark gap, a triggered vacuum gap operates in the parameter space to the left of the Paschen minimum where breakdown is promoted by increasing pressure. Current between the electrodes is limited to a small value by field emission in the non-conducting state. Breakdown is initiated by rapidly evaporating material from a trigger electrode or an adjacent resistive coating. Once the vacuum arc is initiated, a triggered vacuum gap is filled with conductive plasma as in any other spark gap. A triggered vacuum gap has a larger operating voltage range than a sealed triggered spark gap because Paschen curves are much steeper to the left of the Paschen minimum than at higher pressures. Triggered vacuum gaps are also rad hard because in the non-conducting state they do not contain any gas that could be ionized by radiation.

This report contains market size and forecasts of Triggered Vacuum Spark Gaps in global, including the following market information:

Global Triggered Vacuum Spark Gaps Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Triggered Vacuum Spark Gaps Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Triggered Vacuum Spark Gaps companies in 2021 (%)

The global Triggered Vacuum Spark Gaps market was valued at million in 2021 and is

projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Ceramic Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Triggered Vacuum Spark Gaps include Aplicaciones Tecnol?gicas, BOURNS, Cirprotec, CITEL, CompleTech, DEHN + S?HNE, e2v scientific instruments, FRANCE PARATONNERRES and INGESCO, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Triggered Vacuum Spark Gaps manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Triggered Vacuum Spark Gaps Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Triggered Vacuum Spark Gaps Market Segment Percentages, by Type, 2021 (%)

Ceramic

Metal

Global Triggered Vacuum Spark Gaps Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Triggered Vacuum Spark Gaps Market Segment Percentages, by Application, 2021 (%)

Ignition Devices

Protective Devices

High Speed Photography

Radio Transmitters

Other

Global Triggered Vacuum Spark Gaps Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Triggered Vacuum Spark Gaps Market Segment Percentages, By Region and
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Triggered Vacuum Spark Gaps revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Triggered Vacuum Spark Gaps revenues share in global market, 2021
(%)

Key companies Triggered Vacuum Spark Gaps sales in global market, 2017-2022
(Estimated), (K Units)

Key companies Triggered Vacuum Spark Gaps sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Aplicaciones Tecnol?gicas

BOURNS

Cirprotec

CITEL

CompleTech

DEHN + S?HNE

e2v scientific instruments

FRANCE PARATONNERRES

INGESCO

Leutron GmbH

OBO Bettermann

Teledyne Reynolds

Excelitas Technologies

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