

Waterjet Cutting Machine Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global waterjet cutting machine market size reached US\$ 1.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1.5 Billion by 2028, exhibiting a growth rate (CAGR) of 6.2% during 2023-2028.

A waterjet cutting machine (WCM) refers to an industrial tool that uses high-pressure water jet streams to cut and shape different materials. The stream consists of water or abrasive liquids that can cut through metals, glasses, foams and reflective materials without melting, warping or distorting their original structure. The machines do not require heat for cutting and can maintain the quality of the materials that are sensitive to high temperatures. They also offer various other benefits, such as high precision cutting, ability to cut heterogeneous materials and minimal water consumption. Owing to this, they find extensive applications across multiple industries, including automotive, electronics, aerospace & defense, food and beverage, mining, metal fabrication, paper processing, textile, etc.

Rapid industrialization across the globe is one of the key factors driving the growth of the market. Furthermore, widespread product adoption by the automobile industry is also providing a boost to the market growth. WCMs are used for manufacturing metal gaskets, automotive brake disks, clutches and intricate decorative fittings and brackets. Apart from this, they are also extensively used for manufacturing components made by using composite materials for aircraft turbines and jet engines. Additionally, various technological advancements, such as the development of micro, 3D and robotic WCMs, which offer cutting outputs with enhanced precision, are acting as another major growth-



inducing factor. Moreover, WCMs find applications in the military and defense sector as they are used to develop guided missiles, fuselages, and space vehicles. Other factors, including rapid urbanization and significant growth in the industrial manufacturing and metal fabrication industries, are also expected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global waterjet cutting machine market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, product type, horsepower, machine size and application.

Breakup by Type:

Pure

Abrasive

Breakup by Product Type:

3D Waterjet Cutting

Micro Waterjet Cutting

Robotic Waterjet Cutting

Breakup by Horsepower:

0 to 50 HP

51 to 100 HP

Others

Breakup by Machine Size:

Small



Medium

Large

Breakup by Application:

Automotive

Electronics

Aerospace and Defense

Mining

Metal Fabrication

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

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Others
Europe
Germany
France
United Kingdom
taly
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa
Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being A. Innovative International Limited, Colfax Corporation, Dardi International Corporation, Flow International Corporation (Shape Technologies Group), Hornet Cutting Systems, Hypertherm Inc., Jekran Ltd., Jet Edge Inc., KMT GmbH, Koike Aronson Inc., Lincoln Electric Holdings Inc., Semyx LLC, Wardjet LLC (AXYZ International Inc.), etc.

Key Questions Answered in This Report



1. What was the size of the global waterjet cutting machine market in 2022?

2. What is the expected growth rate of the global waterjet cutting machine market during 2023-2028?

3. What are the key factors driving the global waterjet cutting machine market?

4. What has been the impact of COVID-19 on the global waterjet cutting machine market?

5. What is the breakup of the global waterjet cutting machine market based on the type?

6. What is the breakup of the global waterjet cutting machine market based on the application?

7. What are the key regions in the global waterjet cutting machine market?

8. Who are the key players/companies in the global waterjet cutting machine market?



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