

Isostatic Pressing Market Forecasted to Hit US\$ 11.58 Billion Surging with 5.5% CAGR From 2024 to 2032

The growing demand for progressive substances with better mechanical attributes is a prominent factor driving the isostatic pressing market.

NEW YORK CITY, NY, UNITED STATES, October 16, 2024 /EINPresswire.com/ -- The isostatic pressing market forecast for 2032 is a specialized study of the industry with a specific concentration on the global market trend analysis.

MARKET RESEARCH REPORT: POLARIS MARKET RESEARCH
The isostatic pressing market is projected to reach a value of 7.16 billion USD in 2023. The market is expected to grow to 11.58 billion USD by 2032, with a Compound Annual Growth Rate (CAGR) of 5.5% from 2024 to 2032.



Isostatic Pressing Market

MARKET RESEARCH REPORT: POLARIS MARKET RESEARCH?

The isostatic pressing procedure was introduced in the mid-1950s and has commonly evolved from a research interest to a feasible production instrument. Several industries solicit this technique for the unification of powders or imperfection mitigating of casting. The procedure is utilized for a gamut of substances, including ceramics, metals, composites, plastics, and carbon. It solicits a consistent, uniform potency over the complete product irrespective of shape or size.

Isostatic pressing is sanctioned to generate several kinds of substances from powder compress by decreasing the porosity of powder concoction. The powder concoction is compressed and encased using isostatic pressure by utilizing pressure evenly applied from all corners. It encloses the metal powder within a flexible membrane or hermetic holder. It behaves as a pressure barricade between the powder and the persuading mediums such as liquid or gas that borders it, impacting the isostatic pressing market growth favorably.



Isostatic pressing technology applies uniform pressure from all directives to condense substance into a solid configuration.”

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Key players in the isostatic pressing market?

- Avure Technologies (JBT Corporation)
- EPSI
- Bodycote

- Quintus Technologies
- Nikkiso Co., Ltd.
- Kobe Steel, Ltd.
- Pressure Technology Inc.
- American Isostatic Presses (AIP)
- TWI Ltd.
- Shanxi Golden Kaiyuan Co., Ltd.
- ABRA Fluid AG
- FCT Systeme GmbH
- Sintertech
- Fours Industriels BMI
- Arconic Inc

are some of the leading players in the isostatic pressing market. The market highlights many key contenders who are diligently assisting in the industry's growth through the advancement and allocation of progressive isostatic pressing systems and services. These firms concentrate on the making of progressive substances utilizing isostatic pressing technologies.

- In June 2023, Quintus Technologies detailed a contemporary association with a prominent aerospace manufacturer to furnish a succession of isostatic pressing systems customized to the making of futuristic aircraft components, highlighting its role in progressing aerospace manufacturing potential.
- In May 2023, Avure Technologies declared the instigation of a contemporary HIP system outlined to enhance energy efficiency and decrease functional prices, mirroring the company's concentration on invention and legitimacy.

Key trend in the isostatic pressing market?

Growing Amalgamation of Additive Manufacturing: A notable trend in the market is anticipated to be the escalating amalgamation of additive manufacturing (AM), also known as 3D printing. The affinity of isostatic pressing with AM has proven beneficial, especially in industries needing superior substances, such as aerospace and medical gadgets.

Rise of Progressive Regulatory Systems: The execution of automation and progressive regulatory systems in isostatic pressing procedures would be a critical future mania. These technological progressions sanction pronounced accuracy, regularity, and coherence in the generation of high-density substances. This, in turn, is having a favorable impact on the isostatic pressing market sales.

Growing Environmental Concerns: The advancement of potent isostatic pressing systems is anticipated to become an outstanding trend in the near future due to the escalating ecological worries and the escalating price of energy.

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Europe: Europe accounted for the largest isostatic pressing market share. The region's robust growth is primarily due to the robust existence of the aerospace, automotive, and medical sectors globally.

Asia Pacific: Asia Pacific is anticipated to witness significant growth from 2024 to 2032. This can be attributed to the region's escalating industrialization and growing demand for progressive manufacturing technologies.

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By Type Outlook:

- Hot Isostatic Pressing
- Cold Isostatic Pressing

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- Automotive
- Aerospace & Defense
- Medical
- Precision Machine Manufacturing
- Energy & Power
- Others

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- Services
- Systems

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- North America (US, Canada)
- Europe (France, Germany, UK, Italy, Netherlands, Spain, Russia)

- Asia Pacific (Japan, China, India, Malaysia, Australia, Indonesia, South Korea)
- Latin America (Brazil, Mexico, Argentina)
- Middle East & Africa (Saudi Arabia, UAE, Israel, South Africa)

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How much is the isostatic pressing market?

The market size was valued at USD 7.16 billion in 2023 and is projected to grow to USD 11.58 billion by 2032.

What is the growth rate of the isostatic pressing market?

The global market is projected to register a CAGR of 5.5% during 2024–2032.

Which region held the largest market share?

Europe accounted for the largest share of the global market in 2023.

Based on type, which segment held the larger share?

The hot isostatic pressing segment accounted for a larger share of the global market.

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Polymers, Composites & Nanotechnology, etc.:

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