

# Automotive Cast Iron Cylinder Head Market Reach USD 7,888.85 Million by 2028 at 4.3% CAGR | The Insight Partners

*According to The Insight Partners research reports on Automotive Cast Iron Cylinder Head can help you gain crucial insights regarding the key drivers.*

NEW YORK, UNITED STATES, March 14, 2023 /EINPresswire.com/ -- According to our latest market study on "[Automotive Cast Iron Cylinder Head Market](#) Forecast to 2028 - COVID-19 Impact and Global Analysis By Engine Type (Straight or Inline Engine, V-Type Engine, and Flat Engine) and Vehicle Type (Two Wheelers, Passenger Cars, Light Commercial Vehicles, and Heavy Commercial Vehicles)," the market is expected to grow from US\$ 5,878.38 million in 2021 to reach US\$ 7,888.85 million by 2028; it is expected to grow at a CAGR of 4.3% from 2021 to 2028.

Cylinder heads are engineered to meet specific performance goals. The cylinder head is engine's one of the most significant and complicated designs. It takes a lot of mathematical computations and precise manufacturing to get the required outcomes from an engine. As a result, cylinder heads are designed and manufactured using precise machinery and procedures. The cylinder head is an expensive element of the engine because of its intricate construction. The cylinder head is made of robust aluminum alloys and light metals as it is exposed to extremely high temperatures during the combustion process. It is normally fixed directly to the crankshaft housing at the bottom and closed with a valve cover at the top. The cylinder head structure varies depending on whether the vehicle has a diesel or gasoline engine.

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Companies Profiled in this report includes: TOYOTA INDUSTRIES CORPORATION; Yamaha Motor Co., Ltd.; Cummins Inc.; Sandvik Coromant; YASUNAGA CORPORATION; Nemak, Silbitz Group GmbH; Mauss GmbH; Cooper Corp.; and TEKSID S.P.A

Characteristics of Cast Iron Cylinder Head to Propel Automotive Cast Iron Cylinder Head Market Growth

Cast iron is a versatile and, most importantly, durable material. It can withstand normal wear and tear for a long time. If cylinder head develops fractures or cuts, it may be repaired by welding, drilling, or pinning. A iron cast cylinder head aids street engines by quickly conducting heat and assisting the engine in reaching operating temperature. The heads are less expensive

than aluminum cylinder heads. Consumers won't have to break the money to upgrade the engine. In high-valvespring-pressure situations, the high strength might imply more time between stimulating and longer overall service life for the cylinder head, which propels the growth of the automotive cast iron cylinder head market.

#### Automotive Cast Iron Cylinder Head Market: Engine Type Overview

Based on engine type, the global automotive cast iron cylinder head market is segmented into straight or inline engine, v-type engines, and flat engines. In 2020, the straight or inline segment held the largest market share.

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#### Automotive Cast Iron Cylinder Head Market: Competitive Landscape and Key Developments

TOYOTA INDUSTRIES CORPORATION; Yamaha Motor Co., Ltd.; Cummins Inc.; Sandvik Coromant; YASUNAGA CORPORATION; Nemak, Silbitz Group GmbH; Mauss GmbH; Cooper Corp.; and TEKSID S.P.A are among the key players in the global automotive cast iron cylinder head market. The leading companies are focusing on expanding and diversifying their market presence and acquiring a new customer base, thereby tapping prevailing business opportunities.

In January 2021, Toyota Industries Corporation and Siemens collaborated on digital die casting transition. The project is one of the first to employ defect prediction AI for die casting. It boasts quality and productivity by utilizing the AI application in Siemens' edge computing platform for Industrial Edge. Toyota Industries Corporation intends to leverage the project to expand its technology further and implement it into its production plants in Japan and globally. This adoption of technologies is also helpful in manufacturing cast iron products.

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