

Cold Forming and Cold Heading Market Forecast to 2028 - COVID-19 Impact and Global Analysis By Material (Aluminum, Alloy Steel, Stainless Steel, and Others) and Industry (Aerospace & Defense, Automotive, Industrial Equipment & Machinery, and Others)

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Report description:

The cold forming and cold heading market is expected to grow from US\$ 19,510.15 million in 2022 to US\$ 27,332.39 million by 2028; it is estimated to grow at a CAGR of 5.8% from 2022 to 2028.

Cold forming and cold heading solutions are increasingly used in commercial and military aircraft production. It helps in building the structure of aircraft bodies. The rising air passenger traffic across the globe is increasing the demand for aircraft fleets operated by major airlines across developed and developing countries. The rise in demand for military aircraft from the defense industry has also boosted aircraft manufacturing. For instance, in July 2022, Voyager Aviation Holdings, LLC (VAH) announced a purchase agreement of US\$ 300 million to work with a blue-chip aircraft leasing firm for 7 new and in-production aircraft. Similarly, in November 2021, Indigo partner portfolios announced the procurement of 255 additional A321neo aircraft. Additionally, in September 2021, the Indian government announced the procurement of 56 Airbus C-295 military aircraft worth US\$ 2.5 billion. Thus, the above-mentioned contracts bolster the aircraft manufacturing activities, propelling the growth of the cold forming and cold heading market.

The rapidly growing global automotive industry is augmenting the demand for cold forming and cold heading market. The increasing investment by global automotive manufacturers to develop advanced autonomous vehicles and electric vehicles is further increasing the number of automobiles manufactured across the globe, fueling the demand for cold forming and cold heading market. Further, the increasing number of government initiatives across the globe to enhance the automotive production industry is expected to influence the automotive production volume. Thus, the above-mentioned factors are contributing to the growth of the global cold forming and cold heading market.

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The automobile industry widely uses parts molded by cold heading machines. A few main metals used for cold heading include copper-based (Cu) metal alloys, pure copper, brass, phosphor bronze, stainless steel, and aluminum. Headers manufactured by cold heading machines are terminals and pins used in various automotive control units, engine control units (ECUs), pressure sensors, and other in-vehicle sensors. Technological advancements, climate change-related policies, and changing consumer preference are driving the demand for eco-friendly, fuel-efficient, and intelligent vehicles, as well as innovations in electric and hybrid vehicles globally.

North America and Europe continue to invest in innovation and development of advanced, energy-efficient, and environment-friendly vehicles. As a result, automakers in these regions are investing in expanding production facilities, which is expected to increase the demand for cold forming and cold heading market. Investment from multinational automakers has been observed in Asia Pacific countries, such as India, Indonesia, Malaysia, and Thailand. Therefore, increased investments in the automotive industry are boosting the growth of the cold forming and cold heading market.

The electronics industry in developing countries has grown rapidly in recent years. The appliances industry benefits from cold heading machines by manufacturing gears and fasteners for assembly. Cold heading avoids the porosity, segregation, large inclusions, and other imperfections of the casting and reduces the chances of cold heading parts leaking under high pressure. Therefore, this factor makes cold heading ideal for a few high-pressure and hydraulic components. For instance, rod ends and fittings for 3,000 psi cylinders can be replaced with leak-proof rod materials. The electrical industry uses cold heading machines to manufacture cold heading rivets for electrical contacts. The most popular are solids and bimetals. In special cases, appliances also require custom cold pressed parts such as rivets and fasteners. Therefore, the above factors are expected to boost the demand for cold forming and cold heading market materials and increase the demand for cold forming and cold heading market in electrical applications. Therefore, this segment is expected to grow strongly in the coming years.

The growth of the construction industry is expected to promote the use of cold forming and cold heading machines. Cold forming and cold heading machines are used to manufacture connectors that are widely used in the construction industry. Therefore, investment and development in this sector will support the growth of the cold forming and cold heading market. For example, according to the Canadian Bureau of Statistics, as of April 2021, the total investment in the housing, industry, commerce, institutions, and government sectors was 122,414 compared to the investment made in March 2021. It was US\$ 100 million, US\$ 770,590 million, US\$ 2,456.7 billion, and US\$ 1,123.8 billion. US\$ 10,421,410 million, US\$ 762,780 million, US\$ 2,475,460 million, and US\$ 1,110,550 million, respectively. Thus, increasing demand from the electrical industry & construction sector is expected to boost the growth of the cold forming and cold heading market.

The overall cold forming and cold heading market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to cold forming and cold heading market. The process also serves the purpose of obtaining an overview and forecast of the cold forming and cold heading market with respect to all the segments. Also, multiple primary interviews have been conducted with industry participants and commentators to validate the data and gain more analytical insights into the topic. The participants of this process include VPs, business development managers, cold forming and cold heading market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the cold forming and cold heading market. STANLEY; Altra Industrial Motion Corp.; KALYANI FORGE; Bharat Forge; National Machinery; Cold-Flow Corporation; Deringer-Ney Inc; Buchanan Metal Forming Inc; Fukui Byora Co., Ltd.; and Cold Heading Company are among the major players in the market. To improve product offerings and sustain competition,

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these companies are capitalizing on strategies, including product developments, mergers, and acquisitions.

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