

Hydraulics Market by Components (Motors, Pumps, Cylinders, Valves, Filters, Accumulators, Transmissions), Type (Mobile Hydraulics, Industrial Hydraulics), End User (Construction, Agriculture, Material Handling), Sensors & Region - Global Forecast to 2028

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Abstracts

The hydraulics market is expected to grow from USD 42.5 billion in 2023 to USD 50.5 billion by 2028, at a CAGR of 3.5% during the forecast period. The surge in construction projects, the growing need for advanced agricultural machinery, and the rising demand for material-handling equipment are some of the factors driving the hydraulics market. In addition, the increased utilization of lifting machinery in shipping and the growing embrace of electric vehicles are expected to open up opportunities in the evolving hydraulics market.

“Cylinders segment is expected to grow at the highest CAGR during the forecast period.”

The cylinders segment is expected to grow at the highest CAGR during the forecast period. Multiple companies operating within the hydraulic cylinder market consistently allocate resources to research and development, aiming to enhance and innovate their hydraulic cylinders to offer superior solutions to their clients. Due to the intense competition in the hydraulic cylinder market, companies find it imperative to regularly upgrade their products. The evolution of smart hydraulic cylinders stands out as a crucial innovation propelling the hydraulics market forward. Known for their durability and simplicity, hydraulic cylinders are user-friendly components utilized in both industrial and mobile equipment. These cylinders find application in various sectors such as

construction, aerospace, material handling, automotive, agriculture, mining, oil and gas, as well as marine applications.

“Mobile hydraulics is expected to grow at the highest CAGR during the forecast period.”

The mobile hydraulics segment is expected to grow at the highest CAGR during the forecast period. Mobile hydraulic equipment, used in non-stationary machinery, meets the rising demand for hydraulic power in remote areas, leading to the incorporation of hydraulic cylinders. Technological advancements allow for easy lifting of heavy objects, enhancing stability and making mobile hydraulics a preferred choice. The increasing use of automated heavy construction and mining vehicles drives the growth of the mobile hydraulics market, ensuring worker safety and operational efficiency across various industries.

“Agriculture industry is expected to grow at the highest CAGR during the forecast period.”

The agriculture industry is expected to grow at the highest CAGR during the forecast period. The agricultural industry is expanding due to the increased reliance on machinery for executing intricate tasks, ranging from planting vegetables to plowing fields. Manufacturers consistently aim to sustain high production levels while navigating diverse terrains and adapting to varying environmental conditions. Tasks involving moving heavy loads, fieldwork, crop handling, and more are performed on mobile equipment under significant stress. From pecan tree shakers to sugar cane harvesters and automated bale trailers to sprayer booms, hydraulics are integrated into nearly all agricultural equipment for controlling lifting and movement.

“Asia Pacific region to register highest CAGR between 2023 and 2028.”

The hydraulics market in Asia Pacific is expected to grow at the highest CAGR during the forecast period. Rapid industrialization stands as a prominent driver, as countries within this region undergo significant industrial expansion. This surge in industrial activity generates a substantial demand for machinery and equipment reliant on hydraulic systems across various sectors such as manufacturing, construction, mining, and more. Moreover, the ongoing development of infrastructure plays a pivotal role in propelling the hydraulics market. Countries like China, India, and several Southeast Asian nations are actively engaged in extensive infrastructure projects, necessitating heavy machinery equipped with hydraulic components for construction purposes. This

heightened demand for hydraulic systems and equipment in infrastructure development contributes significantly to market growth.

Breakdown of primaries

In determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key industry experts in the hydraulics market space. The break-up of primary participants for the report has been shown below:

By Company Type: Tier 1 – 40%, Tier 2 – 35%, and Tier 3 – 25%

By Designation: C-level Executives – 48%, Directors – 33%, and Others – 19%

By Region: North America – 35%, Europe – 18%, Asia Pacific – 40%, and RoW – 7%

Major players operating in the hydraulics market include Enerpac Tool Group (US), Bosch Rexroth AG (Germany), Danfoss (Denmark), Hydac International GmbH (Germany), Kawasaki Heavy Industries, Ltd. (Japan), KYB Corporation (Japan), SMC Corporation (Japan), Parker-Hannifin Corporation (US), Wipro Enterprises (India), Caterpillar (US), among others.

Research Coverage:

The report segments the hydraulics market and forecasts its size by components, type, end-user, and region. The report also discusses the drivers, restraints, opportunities, and challenges pertaining to the market. It gives a detailed view of the market across four main regions—North America, Europe, Asia Pacific, and RoW. Value chain analysis has been included in the report, along with the key players and their competitive analysis in the hydraulics ecosystem.

Reasons to buy the report:

The report will help the market leaders/new entrants with information on the closest approximate revenues for the hydraulics market and related segments. This report will help stakeholders understand the competitive landscape and gain more insights to strengthen their position in the market and plan suitable go-to-market strategies. The

report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (the surge in construction projects, growing need for advanced agricultural machinery, and rising demand for material handling equipment), restraints (high manufacturing and maintenance costs, intensifying concerns regarding oil leaks), opportunities (advancement in intelligent hydraulic machinery, ongoing research and technological progress in hydraulic cylinders, surging adoption of lifting equipment in the shipping industry, increasing uptake of electric vehicles), and challenges (availability of substitute products).

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the hydraulics market.

Market Development: Comprehensive information about lucrative markets – the report analyses the hydraulics market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the hydraulics market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players like Danfoss (Denmark), Bosch Rexroth AG (Germany), Parker Hannifin Corporation (US), and other players.

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