

Global Refuse Truck Hydraulic Cylinders Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Refuse Truck Hydraulic Cylinders market size is expected to reach \$ 1415 million by 2032, rising at a market growth of 4.6% CAGR during the forecast period (2026-2032).

Refuse truck hydraulic cylinders are specialized linear actuators designed to power the lifting, compaction, ejection, and tilting mechanisms of waste collection and transportation vehicles. These cylinders convert hydraulic fluid pressure into mechanical force, enabling critical functions such as bin lifting, packer blade compaction, tailgate clamping, and container ejection. Unlike standard industrial cylinders, refuse truck cylinders are engineered for high-cycle durability, corrosion resistance (from waste leachate exposure), and reliability in demanding stop-and-go collection routes. Common types include single-acting cylinders (for gravity-assisted functions), double-acting cylinders (for precise push-pull control), and telescopic cylinders (for long-stroke ejection applications). From a value chain perspective, upstream includes steel tube and piston rod suppliers, seal manufacturers, casting foundries, and hydraulic component providers; midstream involves cylinder machining, welding, assembly, pressure testing, painting, and quality certification; downstream demand spans refuse truck OEMs, municipal sanitation departments, private waste haulers, and aftermarket replacement distributors. In 2024, the average selling price is approximately US\$650 per unit, global sales volume is about 1,526k units, and gross margins generally range from 18% to 28%, driven by raw material costs (steel), manufacturing precision requirements, seal quality, and OEM certification standards.

The refuse truck hydraulic cylinders market is experiencing steady growth driven by accelerating global urbanization and the corresponding increase in municipal solid waste generation. As cities expand and waste collection networks become more

sophisticated, the demand for reliable, high-durability hydraulic cylinders for refuse trucks continues to rise. The transition from manual collection methods to mechanized systems has further amplified the need for specialized hydraulic actuation in waste handling equipment.

Another key trend is the increasing adoption of telescopic and multi-stage cylinders for ejector and container handling applications. These cylinders provide extended stroke lengths within compact retracted dimensions, enabling efficient push-out ejection of compacted waste from truck bodies. This design is particularly critical for rear-loader and side-loader configurations where space constraints require long reach from a short package.

The market is also witnessing significant technological advancement in seal technology and corrosion protection. Waste collection environments expose hydraulic cylinders to aggressive media including leachate, road salts, and abrasive particulates. Manufacturers are developing enhanced wiper seals, chrome-plated piston rods with higher hardness, and specialized coating systems to extend service life and reduce maintenance frequency in these demanding conditions.

This report studies the global Refuse Truck Hydraulic Cylinders production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Refuse Truck Hydraulic Cylinders and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Refuse Truck Hydraulic Cylinders that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Refuse Truck Hydraulic Cylinders total production and demand, 2021-2032, (K Units)

Global Refuse Truck Hydraulic Cylinders total production value, 2021-2032, (USD Million)

Global Refuse Truck Hydraulic Cylinders production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Refuse Truck Hydraulic Cylinders consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Refuse Truck Hydraulic Cylinders domestic production, consumption, key domestic manufacturers and share

Global Refuse Truck Hydraulic Cylinders production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Refuse Truck Hydraulic Cylinders production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Refuse Truck Hydraulic Cylinders production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Refuse Truck Hydraulic Cylinders market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Parker Hannifin Corporation, Bosch Rexroth AG, Eaton Corporation, Hengli Hydraulic Co., Ltd., Weber-Hydraulik GmbH, HYDAC International, Ligon Hydraulic Cylinder Co., Ltd., Wipro Infrastructure Engineering, Hubei Jiaheng Hydraulic Cylinder Factory, Wuxi Gloria Industrial Tech Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Refuse Truck Hydraulic Cylinders market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Refuse Truck Hydraulic Cylinders Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Refuse Truck Hydraulic Cylinders Market, Segmentation by Type:

Small Bore (
Medium Bore (80-160 mm)

Large Bore (> 160 mm)

Global Refuse Truck Hydraulic Cylinders Market, Segmentation by Pressure Rating:

Low Pressure (
Medium Pressure (16-25 MPa)

High Pressure (> 25 MPa)

Global Refuse Truck Hydraulic Cylinders Market, Segmentation by Price Tier:

Economy / Standard (
Mid-Range (US\$500-900)

Premium / Heavy-Duty (> US\$900)

Global Refuse Truck Hydraulic Cylinders Market, Segmentation by Application:

Refuse Truck OEM

Municipal Sanitation

Private Waste Hauling

Waste Equipment Aftermarket

Others

Companies Profiled:

Parker Hannifin Corporation

Bosch Rexroth AG

Eaton Corporation

Hengli Hydraulic Co., Ltd.

Weber-Hydraulik GmbH

HYDAC International

Ligon Hydraulic Cylinder Co., Ltd.

Wipro Infrastructure Engineering

Hubei Jiaheng Hydraulic Cylinder Factory

Wuxi Gloria Industrial Tech Co., Ltd.

Tongke Hydraulic

Caterpillar Inc.

Komatsu Ltd.

Key Questions Answered:

1. How big is the global Refuse Truck Hydraulic Cylinders market?

2. What is the demand of the global Refuse Truck Hydraulic Cylinders market?
3. What is the year over year growth of the global Refuse Truck Hydraulic Cylinders market?
4. What is the production and production value of the global Refuse Truck Hydraulic Cylinders market?
5. Who are the key producers in the global Refuse Truck Hydraulic Cylinders market?
6. What are the growth factors driving the market demand?

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