

North America Robotics Lubricants Market Forecast to 2028 –Regional Analysis – by Base Oil (Mineral Oil, Synthetic Oil, and Others), Product Type (Hydraulic Oil, Gear Oil, and Grease), and End Use Industry (Automotive, Food and Beverage, Medical and Healthcare, Electrical and Electronics, Metals, and Other Manufacturing Industries)

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Abstracts

The North America robotics lubricants market is expected to grow from US\$ 465.14 million in 2022 to US\$ 795.05 million by 2028. It is estimated to grow at a CAGR of 9.3% from 2022 to 2028.

Increasing Demand for Robotics Lubricants from Automotive Industry Drive North America Robotics Lubricants Market

The rising vehicle production resulted in the adoption of automation in the automotive industry. Automation and the use of industrial robots increase the operational efficiency and productivity in automotive assembly plants. Industrial robots increase the productivity of manufacturing operations and positively impact industrial competitiveness. Further, there is an inverse relationship between industrial robot density and work hours, i.e., an increase in industrial robot density results in decreased work hours. According to a report published by the US Census Bureau in 2022, the motor vehicle, body trailer, and vehicle component manufacturing industry invested US\$ 1,923 million in robotic equipment in 2021. Industrial robots perform diverse operations, from material handling, assembly, and welding to finishing and palletizing applications. Robotic components are subjected to extensive movement, high heat, high speed, and friction, thus requiring periodic inspection and servicing. The automotive industry requires optimized robotics lubricants that are tolerant to extreme temperatures, can minimize downtime, and help achieve long service intervals. Thus, the increasing

demand for robots in the automotive industry is driving the North America robotics lubricants market.

North America Robotics Lubricants Market Overview

The adoption of robotics and automation has grown in North America in the past few years, especially in the manufacturing sector, to boost productivity and reduce operational costs. The constant material handling and operations by robots lead to the wear and corrosion of robotic components. The utilization of robotics oil and greases enhance service life and reduce downtime of robotic components. According to the Association for Advancing Automation, the companies in North America ordered ~44,196 robots in 2022, with a sale of US\$ 2.38 billion. The report revealed a growth in robot order size by 11% and a rise in sales value by 18% in 2022 compared to 2021. Rising operations of automotive companies were the major driving factor for growing sales of robots in the region, contributing to more than 50% of total robot sales in 2022. In North America, rising production of electric vehicles prompted automotive sector to accelerate automation and robotic installations, which in turn has increased the demand for robots. Robot sales by North American companies grew by 24% in 2022 compared to 2021 and accounted for the sales of 35,804 robots in the first 9 months of 2022. According to the press release by the International Federation of Robotics 2022, robot orders by automotive and associated components manufacturers grew by 15% year-on-year in 2022. Moreover, automotive industries are focused on expansion projects pertaining to the advancement of factories and an increase in battery production capacity, which, in turn, is expected to create a demand for industrial robots during the forecast period. Thus, the rise in robot sales in the region is anticipated to boost the demand for robotics lubricants.

North America Robotics Lubricants Market Revenue and Forecast to 2028 (US\$ Million)

North America Robotics Lubricants Market Segmentation

The North America Robotics lubricants market is segmented into base oil, product type, end use industry, and country.

Based on base oil, the North America robotics lubricants market is segmented into mineral oil, synthetic oil, and others. In 2022, the mineral oil segment registered a largest share in the North America robotics lubricants market.

Based on product type, the North America robotics lubricants market is segmented into hydraulic oil, gear oil, and grease. In 2022, the grease segment registered a largest share in the North America robotics lubricants market.

Based on end use industry, the North America robotics lubricants market is segmented into automotive, food and beverage, medical and healthcare, electrical and electronics, metals, and other manufacturing industries. In 2022, the automotive segment registered a largest share in the North America robotics lubricants market.

Based on country, the North America robotics lubricants market is segmented into the US, Canada, Mexico. In 2022, the US segment registered a largest share in the North America robotics lubricants market.

BP Plc, Fuchs Petrolub SE, Idemitsu Kosan Co Ltd, Kluber Lubrication GmbH & Co KG, Miller-Stephenson Inc, Schaeffler Austria GmbH, and Shell Plc are the leading companies operating in the North America robotics lubricants market.

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