

# Global Dexterous Hands Supply, Demand and Key Producers, 2024-2030

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## Abstracts

The global Dexterous Hands market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

The market for dexterous hands, often referring to advanced robotic or prosthetic hands with enhanced manipulation capabilities, is witnessing significant growth driven by advancements in robotics and healthcare. These systems find applications in industries such as manufacturing, healthcare, and research, with a particular emphasis on prosthetics for amputees. The future development of dexterous hands involves improved sensory feedback, increased precision, and integration with artificial intelligence for enhanced adaptability. In healthcare, these hands contribute to the development of more functional and lifelike prosthetics, enabling better rehabilitation outcomes for amputees. Additionally, in robotics and automation, dexterous hands are crucial for tasks requiring intricate manipulation, fostering innovation in industries such as logistics and manufacturing. The market is poised for continued expansion as research and development efforts focus on refining the capabilities and versatility of dexterous hands for various applications.

Dexterous hand is a robot end effector that can imitate the human hand. It has a similar structure to the human hand, has universal grasping capabilities, and can perform more complex actions. It is expected to replace some functions of the human hand in the future. Dexterous hands usually integrate force, touch and other sensors to achieve precise force control, but they are expensive and have not yet been widely promoted.

This report studies the global Dexterous Hands production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Dexterous Hands, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Dexterous Hands that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Dexterous Hands total production and demand, 2019-2030, (K Units)

Global Dexterous Hands total production value, 2019-2030, (USD Million)

Global Dexterous Hands production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Dexterous Hands consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Dexterous Hands domestic production, consumption, key domestic manufacturers and share

Global Dexterous Hands production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Dexterous Hands production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Dexterous Hands production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Dexterous Hands 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 Shadow Robot, Schunk, qrobotics, Ottobock, Allegro Hand, Festo, Clone Robotics, Seed Robotics and Inspire-Robots, 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 Dexterous Hands 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 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Dexterous Hands Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Dexterous Hands Market, Segmentation by Type

Full-driven (Number of Actuators Equals Degrees of Freedom)

Underdriven (Number of Actuators Less Than Degrees of Freedom)

Global Dexterous Hands Market, Segmentation by Application

Research Applications

Commercial Applications

#### Companies Profiled:

Shadow Robot

Schunk

qbrobotics

Ottobock

Allegro Hand

Festo

Clone Robotics

Seed Robotics

Inspire-Robots

OYMotion

Agile Robots

Jodell Robotics

Neurocean Technologies

#### Key Questions Answered

1. How big is the global Dexterous Hands market?
2. What is the demand of the global Dexterous Hands market?

3. What is the year over year growth of the global Dexterous Hands market?
4. What is the production and production value of the global Dexterous Hands market?
5. Who are the key producers in the global Dexterous Hands market?

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