

Global Medical Dynamometer Market Size study, by Product (Chest Dynamometer, Hand Dynamometer, Push Pull Dynamometer, Squeeze Dynamometer, Other Devices), by Application (Orthopedic, Neurology, Cardiology, Medical Trauma, Others), by Usage (Hospitals/Clinics, Rehabilitation Centers, Others) and Regional Forecasts 2022-2032

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Abstracts

Global Medical Dynamometer Market is valued at approximately USD 653 million in 2023 and is anticipated to grow with a healthy growth rate of more than 7.20% over the forecast period 2024-2032. Medical Dynamometer refers to a device used to measure the strength of a person's muscles. These devices help quantify muscle strength objectively, allowing healthcare providers to track progress or identify areas for improvement in a patient's strength and function. Furthermore, the growing integration of digital technology into medical dynamometers is gaining attention towards the Global Medical Dynamometer Market. Digital technology allows for more accurate and precise measurements of muscle strength compared to traditional analogue dynamometers. This enhanced accuracy is appealing to healthcare professionals seeking reliable data for assessing patients' progress and designing effective treatment plans.

The Global Medical Dynamometer Market is driven by the growing incidence of sports injuries and the increasing prevalence of arthritis across the world. The growing popularity of sports and physical activity worldwide has led to an increase in the number of sports-related injuries. As more individuals engage in recreational and competitive sports, there is a corresponding rise in the demand for rehabilitation services and tools such as medical dynamometers to support injury recovery and prevention efforts. In addition, arthritis management often involves rehabilitation and physical therapy to

improve joint function, relieve pain, and maintain independence. Medical dynamometers play a crucial role in these interventions by allowing healthcare providers to assess muscle strength deficits, track progress during therapy sessions, and customize exercise programs to address specific weaknesses. However, the high cost of medical dynamometers and shortage of skilled professionals are going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the global Medical Dynamometer market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market owing to the rising incidence of chronic illnesses such as arthritis and osteoporosis, and the growing elderly person population. Muscle weakness is a major risk factor for falls and fractures among the elderly. Medical dynamometers allow healthcare providers to evaluate muscle strength and identify individuals who are at risk of falling. Medical dynamometers can assist reduce the incidence of falls and associated injuries in older people by adopting personalized strength training and balancing exercises. According to CDC projections, by 2040, over 78 million (26%) United States aged 18 and older would have arthritis. The market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

JTECH Medical Industries, Inc
KERN & SOHN GmbH
Marsden Weighing Group
Biodex Medical Systems, Inc
LW Scientific, Inc
Fabrication Enterprises Inc
Charder Electronic Co, Ltd
3B Scientific GmbH
Lafayette Instrument Company
Hausmann Industries Inc

The detailed segments and sub-segment of the market are explained below:

By Product

Chest Dynamometer

Hand Dynamometer

Push Pull Dynamometer

Squeeze Dynamometer

Other Devices

By Application

- Orthopedic
- Neurology
- Cardiology
- Medical Trauma
- Others

By Usage

- Hospitals/Clinics
- Rehabilitation Centers
- Others

By Region:

North America

- U.S.

- Canada

- Europe

- UK

- Germany

- France

- Spain

- Italy

- ROE

- Asia Pacific

- China

- India

- Japan

- Australia

- South Korea

- RoAPAC

- Latin America

- Brazil

- Mexico

- Middle East & Africa

- Saudi Arabia

- South Africa

- RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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