

Global Medical Dynamometer Market

Market Research Report | 2024-02-21 | 134 pages | BCC Research

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Report description:

Description

Report Scope:

The medical dynamometer market exhibits a broad scope across healthcare, rehabilitation, and research domains, encompassing hand, chest, squeeze, and push-pull dynamometers. This report provides a comprehensive analysis of market dynamics, targeting hospitals, rehabilitation centers, sports medicine facilities and research labs. It presents insights into current and future potential, drivers, challenges, opportunities, industry status, developments, market trends, geographical challenges, and strategies (e.g., mergers, acquisitions, collaborations). The report informs all market players, potential entrants, government agencies and other interested parties. It covers geographic regions in detail, so companies interested in expanding their geographic reach will also find this to be a helpful study.

Report Includes:

- 28 data tables and 40 additional tables
- An overview of the global market landscape related to the medical dynamometers
- In-depth analysis of global market trends, featuring historical revenue data for 2020-2022, and estimated figures for 2023. This analysis includes projections of Compound Annual Growth Rates (CAGRs) spanning through 2028.
- Evaluation of the current market size and revenue growth prospects specific to medical dynamometers, accompanied by a comprehensive market share analysis categorized by technology, application, end user, type, and geographical region
- Detailed description about medical dynamometers such as electronic dynamometer and mechanical dynamometer, and coverage of their respective markets
- Description of evolving technologies and highlights of the current and future market potential and a detailed analysis of the regulatory framework

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- Discussion on advantages of integrating artificial intelligence and machine learning in medical dynamometry for enhanced data analysis and interpretation
- Information on musculoskeletal health assessment and rehabilitation programs
- Review of patents, ESG trends, and emerging technologies related to medical dynamometers
- Market share analysis of the key companies of the industry and coverage of events like mergers & acquisitions, joint ventures, collaborations or partnerships, and other key market strategies
- Detailed profiles of leading market participants, providing a descriptive overview of their respective businesses, including 3B Scientific GmbH, Biodex Medical System Inc., North Coast Medical Inc., Marsden Weighing Group, and JTECH Medical Industries

Executive Summary

Summary:

The medical dynamometer market is undergoing robust growth, propelled by an escalating incidence of musculoskeletal disorders, bone injuries and a heightened emphasis on rehabilitation. The surge in bone injuries, as highlighted in the "Global Burden of Fractures" report by the GBD 2019 Fracture Collaborators in The Lancet, underscores the global impact, with REDACTED million prevalent fractures, REDACTED million total fractures and REDACTED million years lived with disability attributed to fractures in 2019. This significant burden is a key driver of the expanding global medical dynamometer market.

Technological advancements play pivotal roles in market expansion, with the introduction of portable and wireless dynamometers leading the way. Examples include the wireless microFET3 Muscle Testing Dynamometer and Inclinator by Hoggan Scientific LLC, a dual-function digital dynamometer and inclinometer that showcases the latest developments in diagnostic medicine. Another noteworthy device is the Go Direct Hand Dynamometer from Vernier Science Education, facilitating the measurement of grip and pinch strength and enabling muscle fatigue studies through seamless connectivity to student devices via Bluetooth wireless technology or USB.

The demand for medical dynamometers is further intensified by various factors, including the globally growing aging population, increased incidents of road accidents and the prevalence of osteoporosis. Osteoporosis, contributing to more than REDACTED million global fractures annually, with an osteoporotic fracture occurring every 3 seconds, emphasizes the critical role of medical dynamometers in addressing health challenges. The World Health Organization (WHO) reports that REDACTED% of road accidents occur among pedestrians in low-income countries, with projections of REDACTED% in middle-income countries and REDACTED% among pedestrians in high-income countries. These trends underscore the rising importance of medical dynamometers in the global healthcare landscape, highlighting the growing need for preventive care on a global scale. The integration of digital health technologies enhances diagnostic capabilities and facilitates the development of personalized treatment plans, further contributing to the positive trajectory of the medical dynamometer market.

The global market for medical dynamometers was valued at \$REDACTED million in 2023, and it is forecast to grow at a CAGR of REDACTED% to reach a value of \$REDACTED million in 2028. The major players in the market are 3B Scientific GmbH, Biodex Medical System Inc., North Coast Medical Inc., Marsden Weighing Group and JTECH Medical Industries.

Table of Contents:

- Table of Contents
- Chapter 1 Introduction
- Introduction
- Study Goals and Objectives
- Reasons for Doing This Study
- Scope of Report

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- Research Methodology
- Information Sources
- Geographic Breakdown
- Segment Breakdown
- Chapter 2 Summary and Highlights
- Market Outlook
- Market Summary
- Chapter 3 Market and Technology Background
- Medical Dynamometer
- Medical Dynamometer History
- Dynamometer Parts
- Dynamometer Types
- Mechanical Dynamometer
- Electronic Dynamometer
- Handheld Dynamometer
- Pinch Gauge Dynamometer
- Push-Pull Dynamometer
- Squeeze Dynamometer
- Others
- Dynamometer Test Types
- Maximum Voluntary Contraction Test
- Rapid Exchange Test
- Fatigue Test
- Pinch Strength Test
- Three-Finger Pinch Test
- Applications of Dynamometry across Various Conditions Test
- Rehabilitation After Surgery or Injury
- Integration of Dynamometry in Sports Medicine and Trauma Assessment
- Neurological Conditions
- Cardiovascular Conditions
- Chapter 4 Market Dynamics
- Factors Affecting the Market for Medical Dynamometers
- Market Drivers
- Increase in Sports Injury
- Rise in Prevalence of Bone Injuries and Osteoporosis
- Rehabilitation and Physiotherapy Trends
- Growing Geriatric Population and Increase in Orthopedic Surgeries
- Market Barriers
- High Cost of Medical Dynamometers
- Lack of Awareness and Training Gaps
- Future Opportunities
- Integrating Artificial Intelligence and Machine Learning for Enhanced Data Analysis and Interpretation in Medical Dynamometry
- Venturing Into Developing Markets with Expanding Healthcare Infrastructure
- Development of Portable and Wireless Dynamometer
- Medical Dynamometers: A Multifaceted Market Driver Shaping Future Healthcare
- Market Challenges
- Limited Skilled Workforce for Medical Dynamometers

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Data Interpretation and Standardization Challenges in Muscle Strength Measurement

Chapter 5 Market Breakdown by Technology

Introduction

Global Market Size and Forecast

Electronic Medical Dynamometers

Market Size and Forecast

Mechanical Medical Dynamometer

Market Size and Forecast

Chapter 6 Market Breakdown by Type

Introduction

Global Market Share Analysis

Handheld Dynamometer

Market Size and Forecast

Pinch Gauge Dynamometer

Market Size and Forecast

Push-Pull Dynamometers

Market Size and Forecast

Squeeze Dynamometer

Market Size and Forecast

Others

Market Size and Forecast

Chapter 7 Market Breakdown by Application

Introduction

Global Market Share Analysis

Orthopedic

Market Size and Forecast

Medical Trauma

Market Size and Forecast

Cardiology

Market Size and Forecast

Neurology

Market Size and Forecast

Other Applications

Market Size and Forecast

Chapter 8 Market Breakdown by End User

Introduction

Global Market Share Analysis

Hospitals

Market Size and Forecast

Physiotherapy Clinics

Market Size and Forecast

Rehabilitation Centers

Market Size and Forecast

Other End Users

Market Size and Forecast

Chapter 9 Market Breakdown by Region

Global Market for Medical Dynamometers by Region

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Germany
France
Spain
Italy
Russia
Rest of Europe
Asia-Pacific
Japan
China
India
Australia
Rest of Asia-Pacific
Rest of the World
Market Size and Forecast
Chapter 10 Emerging and Upcoming Technologies
Introduction
Digitalization and Connectivity
Mobile Applications
Wearable Dynamometers
Advanced Measurement Capabilities
Machine Learning and Artificial Intelligence Integration
Cloud-Based Solutions
Future Opportunities
Chapter 11 Environmental, Social and Governance Development
Introduction
ESG Trends by Major Players
JTECH Medical Industries (ADDvise Group)
Biodex Medical Systems Inc. (Part of Mirion Technologies)
Kern & Sohn
Marsden Weighing Machine Group Limited
Conclusion
Chapter 12 Patent Review and New Developments
Overview
Patent Analysis by Year
Chapter 13 Competitive Landscape
Mergers, Acquisitions and Collaborations
Medical Dynamometer Manufacturers and Distributors Market Shares
Chapter 14 Company Profiles
3B SCIENTIFIC GMBH
BIODEX MEDICAL SYSTEMS INC.
BIOMETRICS LTD.
BTE TECHNOLOGIES

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