

Liquid Handling: Technologies and Global Markets

Market Research Report | 2023-09-08 | 136 pages | BCC Research

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Report description:

Description

Report Scope:

This report will focus on liquid handling equipment for biological and chemical laboratory use and applications of the equipment. This report will not discuss total laboratory automation solutions, as it will not cover the software and integrating hardware needed, or any scientific analytic technologies beyond liquid handling. This report will also not cover consumables, as most of the consumables used are typically used in other laboratory applications.

Report Includes:

- 23 data tables and 35 additional tables
- Detailed overview and an up-to-date analysis of the global markets for liquid handling technologies
- Analyses of the global market trends, with historical market revenue data (sales figures) for 2022, estimates for 2023, forecasts for 2024, and projections of compound annual growth rates (CAGRs) through 2028
- Estimation of the actual market size and revenue forecast for liquid handling equipment market, and corresponding market share analysis based on product type, technology, application, and region
- In-depth information (facts and figures) concerning the market growth drivers, opportunities and challenges, prospects, technologies, regulatory scenarios, and COVID-19 impact on the progress of this market
- Analysis of the market growth opportunities with a holistic review of Porter's five forces analysis and PESTLE analysis considering both micro- and macro environmental factors prevailing in marketplace
- Discussion of the importance of ESG in liquid handling equipment and technology market, consumer attitudes, risks and opportunity assessment, and ESG followed practices
- A look at the major vendors in the global market for liquid handling technologies, and analyze the industry structure with respect

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to company market shares, venture fundings, and recent merger and acquisition (M&A) activities

- A relevant patent analysis covering both the new and existing patents and study of clinical trails
- Identification of the major stakeholders and analysis of their company competitive landscape based on recent developments, key financials and segmental revenues, and operational integration
- Company profiles of major players within the industry, including Thermo Fisher Scientific, Agilent Technologies, Beckman Coulter, Eppendorf SE, and Mettler Toledo

Executive Summary

Summary:

The global market for liquid handling was valued at \$REDACTED billion in 2022. This growth can be attributed to the expanding biotechnology and biobanking sectors, wherein biotechnology companies and biobanks handle a substantial volume of biological samples. The increasing adoption of liquid handling instruments to manage and process these samples is expected to fuel market growth, reaching an estimated value of \$REDACTED billion by the end of 2028.

The market is projected to experience a CAGR of REDACTED% between 2023 and 2028. This growth is primarily fueled by increased awareness of liquid handling's importance, and substantial investments in R&D focused on liquid handling for drug discovery and development.

Automated liquid handling is expected to achieve a CAGR of REDACTED% over the forecast period. This growth can be attributed to the realization that automated liquid handling minimizes the risk of human errors that can occur during manual pipetting. Accurate and consistent results are crucial in research and diagnostics, and automation helps achieve higher levels of precision and reliability.

In 2022, North America accounted for the largest market share of the regions analyzed. This dominance is attributed to the region's advanced healthcare infrastructure. The region is home to numerous research institutions, biotechnology companies, pharmaceutical giants and academic centers that heavily rely on liquid handling technologies for their scientific endeavors.

The Asia-Pacific market is projected to grow at a CAGR of REDACTED% over the forecast period. This growth is he pharmaceutical and biotechnology industries are growing rapidly in Asia, which is creating demand for liquid handling systems for drug discovery and development.

Table of Contents:

Table of Contents
Chapter 1 Introduction
Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
What's New in this Update?
Methodology
Information Sources
Primary Research
Secondary Research
Geographic Breakdown
Chapter 2 Summary and Highlights
Market Outlook

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Market Summary
Chapter 3 Market Overview
Overview
Liquid Handling
Liquid Handling in Academic Applications
Liquid Handling in Chemical Applications
Liquid Handling in Environmental Applications
Liquid Handling in Forensic Applications
Liquid Handling in Agricultural Applications
Liquid Handling in Food Applications
Global Regulatory Structure for Liquid Handling Devices
Pricing and Reimbursement for Liquid Handling Devices
Regulatory Landscape
Types of Liquid Handlers
Chapter 4 Market Dynamics
Market Drivers
Trend toward Automation
Growth in Life Sciences Industry
Advances in Research
Cost and Time Savings and High-Throughput Screening
Growing Drug Development Pipeline
Market Opportunities
Overview
Automation and Robotics
Growing Pharmaceutical and Healthcare Industries
Environmental Testing and Monitoring
Market Restraints
High Initial Costs
Complexity and Technical Expertise
Risk of Contamination and Errors and Lack of Standardization of Equipment
Environmental and Sustainability Concerns
Chapter 5 Market Breakdown by Equipment Type
Market Overview
Manual Liquid Handling
Automated Liquid Handling
Semi-Automated Liquid Handling
Market Revenue by Equipment Type
North America
Europe
Asia-Pacific
Rest of the World
Chapter 6 Market Breakdown by Region
Market Overview
North America
Europe
Asia-Pacific
Rest of the World

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Chapter 7 Market Breakdown by Application

Market Overview

Market Revenue by Application

Biotechnology

Pharmaceutical

Academic

Clinical/Public Health

Environmental

Forensic

Agriculture

Food and Beverage

Material Sciences

Chemical Manufacturing

Chapter 8 ESG Development

Introduction

Environment

Social

Governance

Case Study

Concluding Remarks from BCC Research

Chapter 9 Emerging Technologies and Developments

Introduction

New and Emerging Technologies

Chapter 10 Competitive Intelligence

Overview

Industry Scenario

Company Shares of the Market

Chapter 11 Patent Analysis

Patent Analysis by Manufacturer

Introduction

Chapter 12 M&A and Venture Funding Outlook

Introduction

Chapter 13 Company Profiles

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ART ROBBINS INSTRUMENTS

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