

Global Rotomolding Market Size, by Material (Polyethylene, Polycarbonate, Nylon, PVC, Polypropylene), by Form (Compound, Resin), by End-use (Building & Construction, Automotive & Transportation, Packaging, Agriculture, Sports & Leisure), and Regional Forecasts 2022-2032

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Abstracts

The Global Rotomolding Market is valued at approximately USD 5.0 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 5.9% over the forecast period 2023-2032. Rotomolding, short for rotational molding, is a versatile manufacturing process used to produce hollow plastic products. This technique involves adding powdered plastic resin into a mold, which is then heated and rotated along two perpendicular axes. The combination of heat and rotation causes the resin to melt and evenly coat the interior walls of the mold. Once the mold is sufficiently heated and the plastic has fully adhered to its surface, it is cooled to solidify the plastic into the desired shape. Rotomolding is particularly advantageous for creating large, durable, and complex-shaped items with consistent wall thickness and strong structural integrity. The increasing demand for polyethylene in building & construction and automotive & transportation sectors is expected to drive market growth. Rotomolding, a plastic molding technique used to produce hollow articles, is gaining traction due to its applications in manufacturing water tanks, pipes, and electric vehicle components.

The rise in the usage of rotomolded plastics in the automotive industry, especially for electric vehicles, is a significant driver. Governments and construction companies are also promoting the use of rotomolding plastics for various applications, including furniture, outdoor playground equipment, industrial hoppers, and tanks & containers. Furthermore, vendors in the global rotomolding industry are investing significantly in

R&D to develop new products and broaden their revenue streams. Plastics manufactured through the rotational molding process are extensively used in making various automotive parts such as heaters, air conditioner ducts, sun visors, armrests, filler tubes, and truck dashboards. The surge in sales of passenger and commercial vehicles, coupled with the transition towards electric vehicles, is expected to spur market growth. Electric vehicles, being more lightweight and energy-efficient, are increasing the demand for rotomolded plastics.

The key regions considered in the study include Asia Pacific, North America, Europe, Latin America, and the Middle East and Africa. Asia Pacific is projected to hold the largest market share with a CAGR in 2023. The region's dominance is attributed to the lower price of rotomolding and the rise in population driving the demand for housing facilities. North America is expected to grow steadily, while the market share of Latin America and the Middle East & Africa is anticipated to decline due to fewer rotomolders.

Key market players in the report includes:

Centria Plastics, LLC

N. A. Roto Machines & Moulds India

Dura-Cast Products, Inc.

Rotational Molding Inc.

RotoDynamics, Inc.

Centro Incorporated

Elkhart Plastics, Inc.

Rotational Mouldings Limited

Dutchland Plastics

Akro-Plastics

Roto Solutions, Inc.

Roto-Mold USA

Norstar Aluminum Molds

Viking Plastics Ltd.

RotoFlex Technologies

By Region:

North America:

U.S.

Canada

Europe:

Germany

U.K.

France

Italy

Spain

Asia Pacific:

China

India

Japan

South Korea

Australia

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East and Africa

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.

Contents

CHAPTER 1. GLOBAL ROTOMOLDING MARKET EXECUTIVE SUMMARY

- 1.1. Global Rotomolding Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Material
 - 1.3.2. By Form
 - 1.3.3. By End-use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL ROTOMOLDING MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL ROTOMOLDING MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Surge in Demand for Lightweight Automotive Parts
- 3.1.2. Rise in Usage of Water Tanks in Water-scarce Regions
- 3.1.3. High Demand for Polyethylene

3.2. Market Challenges

- 3.2.1. Environmental Concerns Related to Plastic Production

3.3. Market Opportunities

- 3.3.1. Technological Advancements in Rotomolding Process
- 3.3.2. Expansion into Emerging Markets

CHAPTER 4. GLOBAL ROTOMOLDING MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ROTOMOLDING MARKET SIZE & FORECASTS BY MATERIAL 2022-2032

5.1. Segment Dashboard

5.2. Global Rotomolding Market: Material Revenue Trend Analysis, 2022 & 2032(USD Billion)

- 5.2.1. Polyethylene
- 5.2.2. Polycarbonate
- 5.2.3. Nylon
- 5.2.4. PVC
- 5.2.5. Polypropylene
- 5.2.6. Others

CHAPTER 6. GLOBAL ROTOMOLDING MARKET SIZE & FORECASTS BY FORM 2022-2032

- 6.1. Segment Dashboard
- 6.2. Global Rotomolding Market: Form Revenue Trend Analysis, 2022 & 2032(USD Billion)
 - 6.2.1. Compound
 - 6.2.2. Resin

CHAPTER 7. GLOBAL ROTOMOLDING MARKET SIZE & FORECASTS BY END-USE 2022-2032

- 7.1. Segment Dashboard
- 7.2. Global Rotomolding Market: End-use Revenue Trend Analysis, 2022 & 2032(USD Billion)
 - 7.2.1. Building & Construction
 - 7.2.2. Automotive & Transportation
 - 7.2.3. Packaging
 - 7.2.4. Agriculture
 - 7.2.5. Sports & Leisure

CHAPTER 8. GLOBAL ROTOMOLDING MARKET SIZE & FORECASTS BY REGION 2022-2032

- 8.1. North America Rotomolding Market
 - 8.1.1. U.S. Rotomolding Market
 - 8.1.1.1. Material Breakdown Size & Forecasts, 2022-2032
 - 8.1.1.2. Form Breakdown Size & Forecasts, 2022-2032
 - 8.1.1.3. End-use Breakdown Size & Forecasts, 2022-2032
 - 8.1.2. Canada Rotomolding Market
- 8.2. Europe Rotomolding Market
 - 8.2.1. Germany Rotomolding Market

- 8.2.2. U.K. Rotomolding Market
- 8.2.3. France Rotomolding Market
- 8.2.4. Italy Rotomolding Market
- 8.2.5. Spain Rotomolding Market
- 8.3. Asia-Pacific Rotomolding Market
 - 8.3.1. China Rotomolding Market
 - 8.3.2. India Rotomolding Market
 - 8.3.3. Japan Rotomolding Market
 - 8.3.4. ASEAN Rotomolding Market
- 8.4. Latin America Rotomolding Market
 - 8.4.1. Brazil Rotomolding Market
 - 8.4.2. Mexico Rotomolding Market
- 8.5. Middle East & Africa Rotomolding Market
 - 8.5.1. GCC Rotomolding Market
 - 8.5.2. South Africa Rotomolding Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Company
 - 9.1.2. Company
 - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Centria Plastics, LLC
 - 9.3.1.1 Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Market Strategies
 - 9.3.2. N. A. Roto Machines & Moulds India
 - 9.3.3. Dura-Cast Products, Inc.
 - 9.3.4. Rotational Molding Inc.
 - 9.3.5. RotoDynamics, Inc.
 - 9.3.6. Centro Incorporated
 - 9.3.7. Elkhart Plastics, Inc.
 - 9.3.8. Rotational Mouldings Limited
 - 9.3.9. Dutchland Plastics
 - 9.3.10. Akro-Plastics

- 9.3.11. Roto Solutions, Inc.
- 9.3.12. Roto-Mold USA
- 9.3.13. Norstar Aluminum Molds
- 9.3.14. Viking Plastics Ltd.
- 9.3.15. RotoFlex Technologies

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

- TABLE 1. Global Rotomolding Market, Report Scope
- TABLE 2. Global Rotomolding Market Estimates & Forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global Rotomolding Market Estimates & Forecasts by Material 2022-2032 (USD Billion)
- TABLE 4. Global Rotomolding Market Estimates & Forecasts by Form 2022-2032 (USD Billion)
- TABLE 5. Global Rotomolding Market Estimates & Forecasts by End-use 2022-2032 (USD Billion)
- TABLE 6. Global Rotomolding Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 7. Global Rotomolding Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 8. Global Rotomolding Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 9. Global Rotomolding Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 10. Global Rotomolding Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 11. Global Rotomolding Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 12. Global Rotomolding Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 13. Global Rotomolding Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 14. Global Rotomolding Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 15. U.S. Rotomolding Market Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 16. U.S. Rotomolding Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)
- TABLE 17. U.S. Rotomolding Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)
- TABLE 18. Canada Rotomolding Market Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 19. Canada Rotomolding Market Estimates & Forecasts by Segment 2022-2032

(USD Billion)

TABLE 20. Canada Rotomolding Market Estimates & Forecasts by Segment 2022-2032

(USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Rotomolding Market, Research Methodology
- FIG 2. Global Rotomolding Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods.
- FIG 4. Global Rotomolding Market, Key Trends 2023
- FIG 5. Global Rotomolding Market, Growth Prospects 2022-2032
- FIG 6. Global Rotomolding Market, Porter's 5 Force Model
- FIG 7. Global Rotomolding Market, PESTEL Analysis
- FIG 8. Global Rotomolding Market, Value Chain Analysis
- FIG 9. Global Rotomolding Market by Segment, 2022 & 2032(USD Billion)
- FIG 10. Global Rotomolding Market by Segment, 2022 & 2032(USD Billion)
- FIG 11. Global Rotomolding Market by Segment, 2022 & 2032(USD Billion)
- FIG 12. Global Rotomolding Market by Segment, 2022 & 2032(USD Billion)
- FIG 13. Global Rotomolding Market by Segment, 2022 & 2032(USD Billion)
- FIG 14. Global Rotomolding Market, Regional Snapshot 2022 & 2031
- FIG 15. North America Rotomolding Market 2022 & 2032(USD Billion)
- FIG 16. Europe Rotomolding Market 2022 & 2032(USD Billion)
- FIG 17. Asia Pacific Rotomolding Market 2022 & 2032(USD Billion)
- FIG 18. Latin America Rotomolding Market 2022 & 2032(USD Billion)
- FIG 19. Middle East & Africa Rotomolding Market 2022 & 2032(USD Billion)
- FIG 20. Global Rotomolding Market, Company Market Share Analysis (2023)

.....

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