

**Coffee Roaster Market Assessment, By Type [Drum Roasters, Fluid Bed Roasters, Direct Fire Roasters, Others], By Capacity [Upto 5 kg, 6 kg - 30 kg, Over 30 kg], By Fuel [Electricity, Gas], By Technology [Manual, Automatic], By Material [Steel, Aluminium, Ceramic, Others], By End-user [Residential, Commercial], By Price Range [Mass, Premium], By Distribution Channel [Direct Sales, Distributors, Online Retailers, Specialty Stores, Others], By Region, Opportunities and Forecast, 2017-2031F**

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**Report description:**

Global coffee roaster market was valued at USD 1.57 billion in 2023, expected to reach USD 2.53 billion in 2031, with a CAGR of 6.13% for the forecast period between 2024 and 2031.

More than 400 billion cups of coffee are consumed on an annual basis, which makes it one of the most popular drinks worldwide. It reflects the wideness of the coffee roaster market as people across the globe have evolving tastes and preferences. In terms of capacity and end-user, commercial roasters with greater capacities dominate the market. Medium to large scale coffee manufacturers, distributors, and retailers tend to make use of these roasters to save on the operational costs. With advanced features like automation, temperature control, and others, these roasters offer efficiency as well as consistency to the users ensuring high-quality output as compared to the smaller ones.

As a surge in specialty coffees is noticeable, the demand for specialty roasters can be observed in the market. The focus of these small roasters is on craftsmanship and enhancement of flavors, without compromising on the sustainability part. Coffee lovers seeking unique but ethically sourced coffee variations enjoy these distinct beans and flavours. Sample roaster is one such roaster

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that allows to assess perfect roast profiles roasted in small batches of high-quality beans before the production is scaled up. Technological advancements in the market are expected to continue shaping the market. AI integration, IoT, and data analytics help lead to better precision, automation, and customization in the process of roasting. Also, with growing environmental awareness, there is a greater emphasis on sustainability which drives manufacturers to develop designs that are energy efficient and eco-friendly at the same time, hence, reducing the environmental impact.

Moving forward, the growth along with innovation is expected to go along with the coffee roaster market. Trends like source traceability, transparency in supply chain and personalized coffee experiences drive the expansion of the global coffee roaster market. The market is dynamic for both scaled-commercial roasters and small artisanal or sample roasting. However, the increasing love for coffee all over the world is driving innovation leading to market growth.

In January 2024, Giesen Coffee Roasters B.V. launched Giesen Profiler 2.0 which offers enhanced capabilities for optimizing automated roasting processes, allowing for increased flexibility in machine control during roasting. It allows the users to adjust profiles with accuracy, modify parameters like silo feed regulation, and activate or deactivate GCC or designer functions.

#### Smart Coffee Roasters to Drive the Market Growth

Smart coffee roasters are revolutionizing the coffee industry by using technology with traditional roasting methods. These advanced machines utilize data analytics, automation, and precision controls to monitor and adjust the roasting process in real-time, resulting in consistently high-quality coffee. One of the key drivers of the demand for smart coffee roasters is their ability to optimize roasting profiles for various bean varieties, origins, and flavor preferences. The customization ensures that coffee roasters can cater to a diverse group of coffee enthusiasts with different tastes. Furthermore, smart roasters often provide connectivity features, allowing roasters to monitor and control the roasting process remotely, enhancing efficiency and convenience.

The demand for sustainable and ethically produced coffee is increasing, and smart roasters can support these initiatives by providing traceability and transparency throughout the supply chain. As consumers become more informed and discerning about their coffee choices, the demand for smart coffee roasters will continue to increase, driving innovation and improvements in the industry.

In June 2023, Genio Roasters launched the Genio Evolution series of coffee roasters, that are AI-enabled, making the machines sense, understand, and inform the process of coffee roasting. The Genio Evolution 6 Pro transforms coffee roasting by integrating cupping and roasting processes through the AI-powered algorithm and ERP control system, effectively managing the entire roastery.

#### Sample Roasters Offering Ease of Use

The popularity of sample roasters is significantly affecting the coffee roaster market due to numerous key factors. Firstly, sample roasters allow coffee professionals to accurately evaluate the quality and characteristics of green coffee beans before performing larger roasts. It allows roasters to refine their roast profiles and ensure consistency in the final product, appealing to both specialty coffee enthusiasts and commercial roasters seeking higher quality standards. Additionally, sample roasters are often more compact and affordable than full-scale roasting equipment, making them accessible to a wider range of businesses, such as boutique coffee shops, micro-roasters, and home enthusiasts.

The rise of specialty coffee culture has increased the demand for unique and exotic coffee varieties, resulting in the need for sample roasters to explore and experiment with various beans and origins. The versatility, affordability, and quality control benefits of sample roasters are driving significant growth and innovation in the coffee roaster industry.

In April 2023, IKAWA Ltd launched its latest sample roaster Pro100x that has a set of functions specially designed to simplify, automate, and enhance sample roasting, ensuring greater consistency. The product has the latest IKAWA Humidity Sensors with Moisture Release Graph that reveals the timing and rate of moisture release throughout the roasting process.

#### Electricity Based Coffee Roasters to Hold a Larger Market Share

Electric coffee roasters have been gaining market share due to numerous factors. Electric roasters are often more accessible and easier to install, making them attractive to smaller roasting businesses or home roasters. They provide precise temperature control, which is crucial for achieving consistent roast profiles and preserving the delicate flavors of specialty coffee beans. Additionally, electric roasters produce less emissions and are often perceived as more environmentally friendly than gas-powered roasters. It contrasts with the growing demand for sustainable and eco-friendly products.

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Furthermore, electric roasting technology has improved their efficiency and performance, making them increasingly competitive with gas-powered roasters in terms of speed and capacity. Therefore, the increasing popularity of electric coffee roasters is evident, driven by their accessibility, precision, and environmental benefits.

In February 2024, an Italian coffee roasting equipment manufacturer, Sweet Coffee Italia, introduced a series of commercial electric heat machines called Gemma Induction. Launching five models with capacities ranging from 2 to 120 kilograms, these machines utilize induction heating technology. Each model includes a conventional perforated stainless-steel drum nested in a secondary cylindrical chamber surrounded by electromagnetic induction coils.

Greater Capacity Commercial Roasters Gaining Traction in the Market

Commercial roasters with greater capacities are gaining traction in the coffee roaster market. Generally, medium to large scale coffee producers and retailers make use of these large roasters. They are required to handle large quantities of beans efficiently. These high-capacity coffee roasters reduce the time required for production as well as the cost of labor incurred as compared to smaller roasters. It makes them compatible for customers who deal in wholesale like coffee chains and other service outlets, and large-scale distributors.

Additionally, high-capacity roasters come with advanced features such as automation, precise temperature control, and easily modifiable roasting profiles offering great consistency as well as efficiency in the roasting process.

On the contrary, where small and sample roasters cater to a smaller group of users mainly in specialty coffee segments, commercial roasters with higher roasting capacity hold dominance in serving the needs and demands of large coffee producers to achieve scalability, cost-effectiveness, and operations that are finely streamlined.

In January 2023, PROBAT AG introduced the P12e electric coffee roaster as part of its P series lineup, featuring innovative electrical hot air technology. With a roasting capacity of 40 kg/h, the roaster ensures consistent and consistent roasting outcomes.

Future Market Scenario (2024 – 2031F)

☐☐Roasters that can be controlled remotely, track dosage, and create personalized menu plans through an app are expected to gain traction. AI-enabled roasters are expected to see a surge in the demand.

☐☐More customizable options are anticipated to meet diverse consumer preferences, including roast levels, flavor profiles, and origin-specific roasts, catering to the rising demand for personalized coffee experiences.

☐☐The specialty coffee market size is expected to expand, driving the development of niche roasters specializing in unique and exotic coffee varieties, with an emphasis on quality, traceability, and authenticity.

Key Players Landscape and Outlook

Global coffee roaster market has a vast landscape with coffee roasting machines entering the market along with a lot of features that involve AI and IoT. The new technology in these machines is expected to drive the market immensely. Furthermore, major market players including IKAWA Ltd, Diedrich Manufacturing Inc., and Genio Roasters are coming up with great models for coffee roasters serving vast segments across the world, from niche specialty coffee manufacturers to large-scale producers. It makes the outlook for the industry quite promising. There’s a great scope for expansion of the market as innovation, acquisitions, and collaborations are leading to better developments of the machines.

In August 2023, IKAWA Ltd and Buhler Group, the two European coffee equipment makers, partnered to produce smaller to medium-sized roasters. While Ikawa concentrates on sample roasting with its Ikawa Pro line, Buhler serves larger industrial customers with its RoastMaster machines. They have entered a research phase, seeking feedback from commercial roasters to inform potential product development in the market.

Table of Contents:

- 1.☐Research Methodology
- 2.☐Project Scope & Definitions
- 3.☐Executive Summary
- 4.☐Voice of Customer
- 4.1.☐Demographics (Age/Cohort Analysis - Baby Boomers and Gen X, Millennials, Gen Z; Gender; Income - Low, Mid, and High; Geography; Nationality; etc.)

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- 4.2.□Market Awareness and Product Information
- 4.3.□Brand Awareness and Loyalty
- 4.4.□Factors Considered in Purchase Decision
  - 4.4.1.□Brand Name
  - 4.4.2.□Capacity
  - 4.4.3.□Consistency
  - 4.4.4.□Ease of Use
  - 4.4.5.□Roasting Speed
  - 4.4.6.□Energy Efficiency
  - 4.4.7.□Size and Space Requirements
  - 4.4.8.□Price
  - 4.4.9.□Roast Type
- 4.5.□Purpose of Purchase
- 4.6.□Medium of Purchase
- 4.7.□Recommendations from friends/family
- 4.8.□Role of Brand Ambassador or Influencer Marketing on Product/Brand Absorption.
- 5.□Global Coffee Roaster Market Outlook, 2017-2031F
  - 5.1.□Market Size & Forecast
    - 5.1.1.□By Value
    - 5.1.2.□By Volume
  - 5.2.□By Type
    - 5.2.1.□Drum Roasters
      - 5.2.1.1.□Single Wall Drum
      - 5.2.1.2.□Double Wall Drum
      - 5.2.1.3.□Perforated Drum
    - 5.2.2.□Fluid Bed Roasters
    - 5.2.3.□Direct Fire Roasters
    - 5.2.4.□Others
  - 5.3.□By Capacity
    - 5.3.1.□Upto 5 kg
    - 5.3.2.□6 kg - 30 kg
    - 5.3.3.□Over 30 kg
  - 5.4.□By Fuel
    - 5.4.1.□Electricity
    - 5.4.2.□Gas
  - 5.5.□By Technology
    - 5.5.1.□Manual
    - 5.5.2.□Automatic
      - 5.5.2.1.□Fully automatic
      - 5.5.2.2.□Semi-automatic
  - 5.6.□By Material
    - 5.6.1.□Steel
    - 5.6.2.□Aluminium
    - 5.6.3.□Ceramic
    - 5.6.4.□Others
  - 5.7.□By End-user
    - 5.7.1.□Residential

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- 5.7.2.□Commercial
  - 5.7.2.1.□Coffee Shops
  - 5.7.2.2.□Specialty Cafes
  - 5.7.2.3.□Hotels and Restaurants
  - 5.7.2.4.□Foodservice Providers
  - 5.7.2.5.□Retailers
- 5.8.□By Price Range
  - 5.8.1.□Mass
  - 5.8.2.□Premium
- 5.9.□By Distribution Channel
  - 5.9.1.□Direct Sales
  - 5.9.2.□Distributors
  - 5.9.3.□Online Retailers
  - 5.9.4.□Specialty Stores
  - 5.9.5.□Others
- 5.10.□By Region
  - 5.10.1.□North America
  - 5.10.2.□Europe
  - 5.10.3.□South America
  - 5.10.4.□Asia-Pacific
  - 5.10.5.□Middle East and Africa
- 5.11.□By Company Market Share (%), 2023
- 6.□Global Coffee Roaster Market Outlook, By Region, 2017-2031F
  - 6.1.□North America\*
    - 6.1.1.□Market Size & Forecast
      - 6.1.1.1.□By Value
      - 6.1.1.2.□By Volume
    - 6.1.2.□By Type
      - 6.1.2.1.□Drum Roasters
        - 6.1.2.1.1.□Single Wall Drum
        - 6.1.2.1.2.□Double Wall Drum
        - 6.1.2.1.3.□Perforated Drum
      - 6.1.2.2.□Fluid Bed Roasters
      - 6.1.2.3.□Direct Fire Roasters
      - 6.1.2.4.□Others
    - 6.1.3.□By Capacity
      - 6.1.3.1.□Upto 5 kg
      - 6.1.3.2.□6 kg - 30 kg
      - 6.1.3.3.□Over 30 kg
    - 6.1.4.□By Fuel
      - 6.1.4.1.□Electricity
      - 6.1.4.2.□Gas
    - 6.1.5.□By Technology
      - 6.1.5.1.□Manual
      - 6.1.5.2.□Automatic
        - 6.1.5.2.1.□Fully automatic
        - 6.1.5.2.2.□Semi-automatic

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- 6.1.6.□By Material
  - 6.1.6.1.□Steel
  - 6.1.6.2.□Aluminium
  - 6.1.6.3.□Ceramic
  - 6.1.6.4.□Others
- 6.1.7.□By End-user
  - 6.1.7.1.□Residential
  - 6.1.7.2.□Commercial
    - 6.1.7.2.1.□Coffee Shops
    - 6.1.7.2.2.□Specialty Cafes
    - 6.1.7.2.3.□Hotels and Restaurants
    - 6.1.7.2.4.□Foodservice Providers
    - 6.1.7.2.5.□Retailers
- 6.1.8.□By Price Range
  - 6.1.8.1.□Mass
  - 6.1.8.2.□Premium
- 6.1.9.□By Distribution Channel
  - 6.1.9.1.□Direct Sales
  - 6.1.9.2.□Distributors
  - 6.1.9.3.□Online Retailers
  - 6.1.9.4.□Specialty Stores
  - 6.1.9.5.□Others
- 6.1.10.□United States\*
  - 6.1.10.1.□Market Size & Forecast
    - 6.1.10.1.1.□By Value
    - 6.1.10.1.2.□By Volume
  - 6.1.10.2.□By Type
    - 6.1.10.2.1.□Drum Roasters
      - 6.1.10.2.1.1.□Single Wall Drum
      - 6.1.10.2.1.2.□Double Wall Drum
      - 6.1.10.2.1.3.□Perforated Drum
    - 6.1.10.2.2.□Fluid Bed Roasters
    - 6.1.10.2.3.□Direct Fire Roasters
    - 6.1.10.2.4.□Others
  - 6.1.10.3.□By Capacity
    - 6.1.10.3.1.□Upto 5 kg
    - 6.1.10.3.2.□6 kg - 30 kg
    - 6.1.10.3.3.□Over 30 kg
  - 6.1.10.4.□By Fuel
    - 6.1.10.4.1.□Electricity
    - 6.1.10.4.2.□Gas
  - 6.1.10.5.□By Technology
    - 6.1.10.5.1.□Manual
    - 6.1.10.5.2.□Automatic
      - 6.1.10.5.2.1.□Fully automatic
      - 6.1.10.5.2.2.□Semi-automatic
  - 6.1.10.6.□By Material

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- 6.1.10.6.1.□Steel
- 6.1.10.6.2.□Aluminium
- 6.1.10.6.3.□Ceramic
- 6.1.10.6.4.□Others
- 6.1.10.7.□By End-user
- 6.1.10.7.1.□Residential
- 6.1.10.7.2.□Commercial
- 6.1.10.7.2.1.□Coffee Shops
- 6.1.10.7.2.2.□Specialty Cafes
- 6.1.10.7.2.3.□Hotels and Restaurants
- 6.1.10.7.2.4.□Foodservice Providers
- 6.1.10.7.2.5.□Retailers
- 6.1.10.8.□By Price Range
- 6.1.10.8.1.□Mass
- 6.1.10.8.2.□Premium
- 6.1.10.9.□By Distribution Channel
- 6.1.10.9.1.□Direct Sales
- 6.1.10.9.2.□Distributors
- 6.1.10.9.3.□Online Retailers
- 6.1.10.9.4.□Specialty Stores
- 6.1.10.9.5.□Others
- 6.1.11.□Canada
- 6.1.12.□Mexico

\*All segments will be provided for all regions and countries covered

- 6.2.□Europe
- 6.2.1.□Germany
- 6.2.2.□France
- 6.2.3.□Italy
- 6.2.4.□United Kingdom
- 6.2.5.□Russia
- 6.2.6.□Netherlands
- 6.2.7.□Spain
- 6.2.8.□Turkey
- 6.2.9.□Poland
- 6.3.□South America
- 6.3.1.□Brazil
- 6.3.2.□Argentina
- 6.4.□Asia Pacific
- 6.4.1.□India
- 6.4.2.□China
- 6.4.3.□Japan
- 6.4.4.□Australia
- 6.4.5.□Vietnam
- 6.4.6.□South Korea
- 6.4.7.□Indonesia
- 6.4.8.□Philippines
- 6.5.□Middle East & Africa

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- 6.5.1. UAE
- 6.5.2. Saudi Arabia
- 6.5.3. South Africa
- 7. Market Mapping, 2023
  - 7.1. By Type
  - 7.2. By Capacity
  - 7.3. By Fuel
  - 7.4. By Technology
  - 7.5. By Material
  - 7.6. By End-user
  - 7.7. By Price range
  - 7.8. By Distribution Channel
  - 7.9. By Region
- 8. Macro Environment and Industry Structure
  - 8.1. Supply Demand Analysis
  - 8.2. Import Export Analysis
  - 8.3. Value Chain Analysis
  - 8.4. PESTEL Analysis
    - 8.4.1. Political Factors
    - 8.4.2. Economic System
    - 8.4.3. Social Implications
    - 8.4.4. Technological Advancements
    - 8.4.5. Environmental Impacts
  - 8.4.6. Legal Compliances and Regulatory Policies (Statutory Bodies Included)
  - 8.5. Porter's Five Forces Analysis
    - 8.5.1. Supplier Power
    - 8.5.2. Buyer Power
    - 8.5.3. Substitution Threat
    - 8.5.4. Threat from New Entrant
    - 8.5.5. Competitive Rivalry
- 9. Market Dynamics
  - 9.1. Growth Drivers
  - 9.2. Growth Inhibitors (Challenges and Restraints)
- 10. Key Players Landscape
  - 10.1. Competition Matrix of Top Five Market Leaders
  - 10.2. Market Revenue Analysis of Top Five Market Leaders (in %, 2023)
  - 10.3. Mergers and Acquisitions/Joint Ventures (If Applicable)
  - 10.4. SWOT Analysis (For Five Market Players)
  - 10.5. Patent Analysis (If Applicable)
- 11. Pricing Analysis
- 12. Case Studies
- 13. Key Players Outlook
  - 13.1. Diedrich Manufacturing Inc.
    - 13.1.1. Company Details
    - 13.1.2. Key Management Personnel
    - 13.1.3. Products & Services
    - 13.1.4. Financials (As reported)

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13.1.5.□Key Market Focus & Geographical Presence

13.1.6.□Recent Developments

13.2.□Loring Smart Roast, Inc.

13.3.□PROBAT-Werke von Gimborn GmbH

13.4.□Giesen Coffee Roasters B.V.

13.5.□Scolari Engineering S.p.A.

13.6.□Joao Rodrigues Pereira S.A.

13.7.□Buhler Group

13.8.□Genio Roasters

13.9.□IKAWA Ltd

13.10.□San Franciscan Roaster Co. Inc

\*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

14.□Strategic Recommendations

15.□About Us & Disclaimer

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