

Post-Harvest Equipment Market Forecasts to 2032 – Global Analysis By Product Type (Cleaning Equipment, Sorting & Grading Equipment, Drying Equipment, Cooling Equipment, Packaging Equipment, Storage Equipment and Handling Equipment), Crop Type (Fruits & Vegetables, Cereals & Grains, Oilseeds & Pulses, Root & Tuber Crops and Flowers & Ornamentals), Power Source, Technology, Application and By Geography

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Abstracts

According to Statistics MRC, the Global Post-Harvest Equipment Market is accounted for \$3.5 billion in 2025 and is expected to reach \$5.4 billion by 2032 growing at a CAGR of 6.5% during the forecast period. Post-harvest equipment consists of specialized machinery designed to handle, process, and preserve agricultural produce after harvesting. These systems facilitate cleaning, sorting, drying, packaging, and storage to maintain product integrity and reduce post-harvest losses. By optimizing efficiency, such technologies help extend shelf life and enhance market readiness while minimizing spoilage. Advancements in automation and climate-controlled storage further improve productivity, ensuring crops meet regulatory standards and consumer expectations, ultimately supporting sustainable food supply chains and improving agricultural profitability.

According to FAOSTAT, the area harvested under cowpea grew from 15.3 million hectares in 2022 to 15.4 million hectares in 2023, enhancing the use of forage harvesters and increasing the demand for haying and forage machinery.

Market Dynamics:

Driver:

Driving demand for high-quality, fresh produce

Efficient post-harvest handling reduces spoilage and ensures produce retains nutritional value, supporting market expansion. Additionally, the shift toward sustainable farming and global food security initiatives is encouraging the adoption of advanced processing technologies. Innovations in automated sorting, cleaning, and packaging systems further enhance efficiency, helping farmers and distributors meet evolving consumer expectations.

Restraint:

Limited awareness and adoption

Limited awareness and slow adoption rates pose challenges for the growth of post-harvest equipment, particularly in developing regions. Many small-scale farmers lack the knowledge or financial resources to invest in modern processing solutions, impacting overall market penetration. Additionally, traditional practices remain prevalent, limiting demand for advanced machinery despite potential long-term benefits hampering the growth of the market.

Opportunity:

Development of affordable and small-scale equipment

Compact and cost-effective solutions ensure efficient handling, reducing post-harvest losses without requiring large financial investments. Additionally, innovations in mobile and modular equipment allow adaptable solutions that can be easily integrated into various farming environments. Manufacturers focusing on user-friendly designs and localized production are likely to drive adoption, supporting sustainable agricultural expansion enabling accessibility for independent farmers and small agribusinesses.

Threat:

Unpredictable weather patterns, including extreme rainfall, floods, and droughts

Unpredictable weather patterns, including extreme rainfall, floods, and droughts, present risks to the market by impacting harvest cycles and storage conditions. Climatic fluctuations can affect crop yields, making it difficult to implement consistent post-harvest processing strategies. Additionally, prolonged exposure to harsh environmental conditions can compromise the effectiveness of storage and processing equipment impeding the market growth.

Covid-19 Impact:

The pandemic disrupted post-harvest equipment markets by affecting supply chains, limiting workforce availability, and altering demand for agricultural produce. Initial logistical challenges delayed machinery deliveries and constrained installation processes, slowing adoption. However, the crisis also highlighted the importance of food security, reinforcing investment in efficient post-harvest solutions.

The cleaning equipment segment is expected to be the largest during the forecast period

The cleaning equipment segment is expected to account for the largest market share during the forecast period due to its crucial role in maintaining food safety and hygiene standards. Cleaning systems help remove dirt, bacteria, and residual contaminants from harvested produce, ensuring compliance with global quality regulations. Additionally, advancements in precision washing and sanitization technologies are improving efficiency, supporting widespread adoption across agricultural sectors.

The conventional equipment segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the conventional equipment segment is predicted to witness the highest growth rate driven by ongoing demand for traditional machinery adapted to various farming scales. Conventional post-harvest systems remain integral for regions transitioning toward mechanized processing while retaining affordability. Manufacturers are enhancing durability, functionality, and energy efficiency to improve long-term usability, further accelerating growth.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share benefiting from well-established agricultural infrastructure and high

adoption rates of advanced processing technologies. The region's emphasis on food safety regulations, coupled with strong investments in precision agriculture, supports continued expansion. Additionally, the presence of leading manufacturers offering innovative solutions reinforces market leadership in North America.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR attributed to expanding agricultural activities and increasing technological integration across farming practices. Countries such as China and India are investing in mechanized post-harvest handling solutions to improve food security and reduce losses. Rising awareness of efficient processing methods and supportive government initiatives are further fueling market development in the region.

Key players in the market

Some of the key players in Post-Harvest Equipment Market include Claas India, John Deere, AGCO Corporation, CNH Industrial, Kubota Corporation, CLAAS, Mahindra & Mahindra, Fieldking, AgroFresh, Jenfitch INC., ISM Separator Sp, Sensor Development Corporation, Bluetech s.r.o., Kuhn Group, Escorts Kubota Limited, Kartar Agro Industries, and Preet Group.

Key Developments:

In May 2025, CNH Industrial signed an agreement with SpaceX's Starlink to provide satellite connectivity solutions for farmers. The partnership aims to enhance precision farming by ensuring reliable internet access in rural and remote areas.

In March 2025, Kubota Corporation partnered with Liebherr to supply wheeled excavators. This OEM deal allows Kubota to expand its construction machinery lineup in Europe. It marks a strategic move to enhance product availability across key global markets.

In February 2025, AGCO Corporation entered a new partnership with SDF to produce tractors up to 85 HP. The deal focuses on cost-effective manufacturing for emerging markets. AGCO aims to expand its global footprint in the compact and mid-range segment.

Product Types Covered:

Cleaning Equipment

Sorting & Grading Equipment

Drying Equipment

Cooling Equipment

Packaging Equipment

Storage Equipment

Handling Equipment

Crop Types Covered:

Fruits & Vegetables

Cereals & Grains

Oilseeds & Pulses

Root & Tuber Crops

Flowers & Ornamentals

Power Sources Covered:

Manual

Electric

Tractor-Powered

Engine-Powered

Technologies Covered:

Conventional Equipment

Precision Agriculture Equipment

Applications Covered:

On-farm Use

Commercial Use

Industrial Processing Plants

Research & Academic Institutions

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 Technology Analysis
- 3.8 Application Analysis
- 3.9 Emerging Markets
- 3.10 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL POST-HARVEST EQUIPMENT MARKET, BY PRODUCT TYPE

- 5.1 Introduction
- 5.2 Cleaning Equipment
 - 5.2.1 Grain Cleaners
 - 5.2.2 Seed Cleaners
- 5.3 Sorting & Grading Equipment
 - 5.3.1 Color Sorters
 - 5.3.2 Size Graders
- 5.4 Drying Equipment
 - 5.4.1 Batch Dryers
 - 5.4.2 Continuous Flow Dryers
- 5.5 Cooling Equipment
 - 5.5.1 Forced Air Cooling Systems
 - 5.5.2 Hydro-Coolers
- 5.6 Packaging Equipment
 - 5.6.1 Wrapping Machines
 - 5.6.2 Bagging Machines
- 5.7 Storage Equipment
 - 5.7.1 Silos
 - 5.7.2 Cold storage units
- 5.8 Handling Equipment
 - 5.8.1 Conveyors
 - 5.8.2 Elevators
 - 5.8.3 Forklifts

6 GLOBAL POST-HARVEST EQUIPMENT MARKET, BY CROP TYPE

- 6.1 Introduction
- 6.2 Fruits & Vegetables
- 6.3 Cereals & Grains
- 6.4 Oilseeds & Pulses
- 6.5 Root & Tuber Crops
- 6.6 Flowers & Ornamentals

7 GLOBAL POST-HARVEST EQUIPMENT MARKET, BY POWER SOURCE

- 7.1 Introduction

- 7.2 Manual
- 7.3 Electric
- 7.4 Tractor-Powered
- 7.5 Engine-Powered

8 GLOBAL POST-HARVEST EQUIPMENT MARKET, BY TECHNOLOGY

- 8.1 Introduction
- 8.2 Conventional Equipment
- 8.3 Precision Agriculture Equipment

9 GLOBAL POST-HARVEST EQUIPMENT MARKET, BY APPLICATION

- 9.1 Introduction
- 9.2 On-farm Use
- 9.3 Commercial Use
- 9.4 Industrial Processing Plants
- 9.5 Research & Academic Institutions

10 GLOBAL POST-HARVEST EQUIPMENT MARKET, BY GEOGRAPHY

- 10.1 Introduction
- 10.2 North America
 - 10.2.1 US
 - 10.2.2 Canada
 - 10.2.3 Mexico
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.2 UK
 - 10.3.3 Italy
 - 10.3.4 France
 - 10.3.5 Spain
 - 10.3.6 Rest of Europe
- 10.4 Asia Pacific
 - 10.4.1 Japan
 - 10.4.2 China
 - 10.4.3 India
 - 10.4.4 Australia
 - 10.4.5 New Zealand

- 10.4.6 South Korea
- 10.4.7 Rest of Asia Pacific
- 10.5 South America
 - 10.5.1 Argentina
 - 10.5.2 Brazil
 - 10.5.3 Chile
 - 10.5.4 Rest of South America
- 10.6 Middle East & Africa
 - 10.6.1 Saudi Arabia
 - 10.6.2 UAE
 - 10.6.3 Qatar
 - 10.6.4 South Africa
 - 10.6.5 Rest of Middle East & Africa

11 KEY DEVELOPMENTS

- 11.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 11.2 Acquisitions & Mergers
- 11.3 New Product Launch
- 11.4 Expansions
- 11.5 Other Key Strategies

12 COMPANY PROFILING

- 12.1 Claas India
- 12.2 John Deere
- 12.3 AGCO Corporation
- 12.4 CNH Industrial
- 12.5 Kubota Corporation
- 12.6 CLAAS
- 12.7 Mahindra & Mahindra
- 12.8 Fieldking
- 12.9 AgroFresh
- 12.10 Jenfitch INC.
- 12.11 ISM Separator Sp. z o.o.
- 12.12 Sensor Development Corporation
- 12.13 Bluetech s.r.o.
- 12.14 Kuhn Group
- 12.15 Escorts Kubota Limited

12.16 Kartar Agro Industries

12.17 Preet Group

List Of Tables

LIST OF TABLES

Table 1 Global Post-Harvest Equipment Market Outlook, By Region (2024-2032) (\$MN)

Table 2 Global Post-Harvest Equipment Market Outlook, By Product Type (2024-2032) (\$MN)

Table 3 Global Post-Harvest Equipment Market Outlook, By Cleaning Equipment (2024-2032) (\$MN)

Table 4 Global Post-Harvest Equipment Market Outlook, By Grain Cleaners (2024-2032) (\$MN)

Table 5 Global Post-Harvest Equipment Market Outlook, By Seed Cleaners (2024-2032) (\$MN)

Table 6 Global Post-Harvest Equipment Market Outlook, By Sorting & Grading Equipment (2024-2032) (\$MN)

Table 7 Global Post-Harvest Equipment Market Outlook, By Color Sorters (2024-2032) (\$MN)

Table 8 Global Post-Harvest Equipment Market Outlook, By Size Graders (2024-2032) (\$MN)

Table 9 Global Post-Harvest Equipment Market Outlook, By Drying Equipment (2024-2032) (\$MN)

Table 10 Global Post-Harvest Equipment Market Outlook, By Batch Dryers (2024-2032) (\$MN)

Table 11 Global Post-Harvest Equipment Market Outlook, By Continuous Flow Dryers (2024-2032) (\$MN)

Table 12 Global Post-Harvest Equipment Market Outlook, By Cooling Equipment (2024-2032) (\$MN)

Table 13 Global Post-Harvest Equipment Market Outlook, By Forced Air Cooling Systems (2024-2032) (\$MN)

Table 14 Global Post-Harvest Equipment Market Outlook, By Hydro-Coolers (2024-2032) (\$MN)

Table 15 Global Post-Harvest Equipment Market Outlook, By Packaging Equipment (2024-2032) (\$MN)

Table 16 Global Post-Harvest Equipment Market Outlook, By Wrapping Machines (2024-2032) (\$MN)

Table 17 Global Post-Harvest Equipment Market Outlook, By Bagging Machines (2024-2032) (\$MN)

Table 18 Global Post-Harvest Equipment Market Outlook, By Storage Equipment (2024-2032) (\$MN)

Table 19 Global Post-Harvest Equipment Market Outlook, By Silos (2024-2032) (\$MN)

Table 20 Global Post-Harvest Equipment Market Outlook, By Cold storage units (2024-2032) (\$MN)

Table 21 Global Post-Harvest Equipment Market Outlook, By Handling Equipment (2024-2032) (\$MN)

Table 22 Global Post-Harvest Equipment Market Outlook, By Conveyors (2024-2032) (\$MN)

Table 23 Global Post-Harvest Equipment Market Outlook, By Elevators (2024-2032) (\$MN)

Table 24 Global Post-Harvest Equipment Market Outlook, By Forklifts (2024-2032) (\$MN)

Table 25 Global Post-Harvest Equipment Market Outlook, By Crop Type (2024-2032) (\$MN)

Table 26 Global Post-Harvest Equipment Market Outlook, By Fruits & Vegetables (2024-2032) (\$MN)

Table 27 Global Post-Harvest Equipment Market Outlook, By Cereals & Grains (2024-2032) (\$MN)

Table 28 Global Post-Harvest Equipment Market Outlook, By Oilseeds & Pulses (2024-2032) (\$MN)

Table 29 Global Post-Harvest Equipment Market Outlook, By Root & Tuber Crops (2024-2032) (\$MN)

Table 30 Global Post-Harvest Equipment Market Outlook, By Flowers & Ornamentals (2024-2032) (\$MN)

Table 31 Global Post-Harvest Equipment Market Outlook, By Power Source (2024-2032) (\$MN)

Table 32 Global Post-Harvest Equipment Market Outlook, By Manual (2024-2032) (\$MN)

Table 33 Global Post-Harvest Equipment Market Outlook, By Electric (2024-2032) (\$MN)

Table 34 Global Post-Harvest Equipment Market Outlook, By Tractor-Powered (2024-2032) (\$MN)

Table 35 Global Post-Harvest Equipment Market Outlook, By Engine-Powered (2024-2032) (\$MN)

Table 36 Global Post-Harvest Equipment Market Outlook, By Technology (2024-2032) (\$MN)

Table 37 Global Post-Harvest Equipment Market Outlook, By Conventional Equipment (2024-2032) (\$MN)

Table 38 Global Post-Harvest Equipment Market Outlook, By Precision Agriculture Equipment (2024-2032) (\$MN)

Table 39 Global Post-Harvest Equipment Market Outlook, By Application (2024-2032) (\$MN)

Table 40 Global Post-Harvest Equipment Market Outlook, By On-farm Use (2024-2032) (\$MN)

Table 41 Global Post-Harvest Equipment Market Outlook, By Commercial Use (2024-2032) (\$MN)

Table 42 Global Post-Harvest Equipment Market Outlook, By Industrial Processing Plants (2024-2032) (\$MN)

Table 43 Global Post-Harvest Equipment Market Outlook, By Research & Academic Institutions (2024-2032) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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