

# Seed Dehullers Market Forecasts to 2032 – Global Analysis By Product Type (Permanent Seed Dehullers, Portable Seed Dehullers and Handheld Seed Dehullers), Capacity, Technology, Application, End User and By Geography

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## Abstracts

According to Statistics MRC, the Global Seed Dehullers Market is accounted for \$1.7 billion in 2025 and is expected to reach \$2.6 billion by 2032 growing at a CAGR of 5.8% during the forecast period. Seed dehullers are mechanical devices designed to remove the outer husk or hull from seeds, improving processing efficiency. They use friction, impact, or cutting mechanisms to separate the seed kernel from its protective outer layer. Typically, they consist of rotating or vibrating elements that loosen and expel hulls while preserving the inner seed. Precise adjustment of speed, pressure, and alignment ensures optimal separation without damaging the seed core.

According to the U.S. Department of Agriculture (USDA), the consumption of seeds and nuts has risen by nearly 30% over the last decade, reflecting a shift towards healthier dietary choices.

Market Dynamics:

Driver:

Rising demand for plant-based oils and proteins

The escalating demand for plant-based oils and proteins is a primary driver for the Seed Dehullers Market. As consumer dietary preferences shift towards healthier and sustainable alternatives, the processing of various seeds for oil extraction and protein

isolates has surged. This trend is fueled by the growing popularity of vegan and vegetarian diets globally. Furthermore, the increasing use of plant-based ingredients in the food and beverage industry creates a continuous need for dehulled seeds. Consequently, the expanding market for plant-based products directly translates to higher demand for efficient seed dehulling equipment.

#### Restraint:

##### High acquisition cost

The high acquisition cost of seed dehulling machinery poses a significant restraint on the Seed Dehullers Market. Investing in advanced dehullers, especially for large-scale operations, requires a substantial upfront capital outlay. The specialized technology and robust construction of these machines contribute to their elevated price point. Furthermore, the cost of ancillary equipment, installation, and initial operational setup adds to the overall investment burden. The financial hurdle associated with acquiring these sophisticated machines can limit their widespread adoption, particularly in developing regions.

#### Opportunity:

##### Growth of gluten-free, vegan, and nutraceutical foods

The burgeoning growth of gluten-free, vegan, and nutraceutical foods presents a significant opportunity for the Seed Dehullers Market. As consumer health consciousness rises, there is a growing preference for products made with nutrient-dense and allergen-free components. Dehulled seeds offer a versatile and clean-label ingredient for a wide array of innovative food products. Furthermore, the expansion of the nutraceutical industry, focusing on health-promoting foods, directly fuels the need for high-quality dehulled seeds. This evolving culinary landscape creates a fertile ground for the seed dehullers market to thrive.

#### Threat:

##### Operational disruption from equipment downtime

Operational disruption due to equipment downtime poses a notable threat to the Seed Dehullers Market. Malfunctions or breakdowns in dehulling machinery can lead to significant production losses and delays in processing. The complexity of modern

dehullers means that repairs can be time-consuming and require specialized technicians. Unplanned downtime can disrupt supply chains and negatively impact customer satisfaction, especially for businesses operating on tight schedules. Ensuring consistent performance and minimizing equipment failures is a critical challenge for both manufacturers and operators in this market.

#### Covid-19 Impact:

The COVID-19 pandemic presented a mixed impact on the Seed Dehullers Market. Initially, disruptions in global supply chains and workforce availability led to temporary slowdowns in manufacturing and installations. Travel restrictions also hindered the provision of on-site technical support and maintenance services. However, the pandemic concurrently spurred a greater focus on food security and domestic food production. This led to increased investments in agricultural processing, including seed dehulling, to ensure a stable supply of plant-based ingredients. Overall, while facing short-term challenges, the market experienced renewed interest in enhancing processing capabilities.

The permanent seed dehullers segment is expected to be the largest during the forecast period

The permanent seed dehullers segment is expected to account for the largest market share during the forecast period, propelled by their robust construction and continuous operation capabilities, the Permanent Seed Dehullers segment is expected to account for the largest market share during the forecast period. These machines are designed for high-volume processing, making them ideal for large-scale industrial applications. Spurred by their crucial role in established seed processing plants, permanent dehullers form the backbone of the industry. Backed by their ability to handle a wide variety of seed types efficiently, they maintain their dominance.

The mechanical seed dehullers segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the mechanical seed dehullers segment is predicted to witness the highest growth rate, fuelled by their versatility and adaptability to different seed sizes and types. Mechanical dehullers are gaining rapid adoption. Propelled by continuous innovations in design, these machines offer improved efficiency and reduced seed damage. Influenced by the increasing demand for high-quality dehulled products, the precision of mechanical dehulling is highly valued. Spurred by their ease of

integration into existing processing lines, mechanical dehullers provide a flexible solution.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, attributed to the vast agricultural output and significant food processing industries across countries like China and India. The increasing cultivation of various oilseeds and pulses in the region drives substantial demand for dehulling equipment. Government initiatives aimed at modernizing agriculture and enhancing food processing capabilities also play a crucial role. Additionally, the presence of numerous small and large-scale seed processing units further solidifies Asia Pacific's leading

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by the increasing consumer demand for plant-based proteins and healthy food ingredients. The region's well-developed food processing industry and strong focus on innovation in food technology contribute significantly to this acceleration. The growing popularity of gluten-free and vegan products further fuels the demand for specialized seed dehullers. Additionally, a strong emphasis on automation and advanced machinery in agricultural processing facilities supports the market's robust expansion.

Key players in the market

Some of the key players in Seed Dehullers Market include Buhler AG, Akyurek Technology, Alvan Blanch, Forsberg Agritech, Spectrum Industries, Goyum Screw Press, Lushan Win Tone Machinery, Farnet a.s., Zhengzhou VOS Machinery Equipment Co., Ltd., Seedburo Equipment Company, AGICO Group, ABC Machinery, SKIOLD Group, SANGATI BERGA, MIA Food Tech, Tanis Machine Technologies, YGT Machinery, and Henan Tytion Machinery Co., Ltd.

Key Developments:

In June 2025, Buhler AG unveiled a high-throughput sunflower seed dehuller integrated with vision-based optical sorting. It allows precise kernel separation and defect detection for large seed processing operations seeking improved efficiency and reduced yield loss.

In May 2025, Akyurek introduced a modular pulse dehulling system with automated hull thickness adjustment and PLC control. It enhances adaptability across multiple legume types while supporting automation in mid-sized agro-industrial facilities.

In April 2025, Forsberg Agritech launched a compact oilseed dehuller engineered for small rural processors and co-operatives. Its steel roller assembly and adjustable clearance optimize kernel output in sesame, flax, and mustard seed applications.

#### Product Types Covered:

Permanent Seed Dehullers

Portable Seed Dehullers

Handheld Seed Dehullers

#### Capacities Covered:

Small Scale (5 tons/hour)

#### Technologies Covered:

Mechanical Seed Dehullers

Pneumatic Seed Dehullers

Electromagnetic Seed Dehullers

#### Applications Covered:

Agriculture

Food Processing

Nutraceuticals

Animal Feed

Other Applications

End Users Covered:

Commercial Farmers

Processing Companies

Research Institutions

Household Users

Other End Users

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

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