+357 96 030922
info@marketpublishers.com

Global Single Screw Loss-in-Weight Feeders Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GE32E686750AEN.html
Date: June 2026
Pages: 132
Price: US$ 4,480.00 (Single User License)
ID: GE32E686750AEN

Abstracts

The global Single Screw Loss-in-Weight Feeders market size is expected to reach $ 324 million by 2032, rising at a market growth of 5.5% CAGR during the forecast period (2026-2032).

Single Screw Loss-in-Weight Feeder is a continuous gravimetric feeding device that uses a single screw as the core metering mechanism, combined with load cells and a closed-loop control system to deliver powders, granules, pellets, flakes and mildly cohesive powders at a stable and controlled mass flow rate. It is mainly suitable for materials with relatively good flowability, clearly defined formulation ratios and production processes requiring consistent continuous dosing. Key upstream inputs include stainless steel and carbon steel fabricated parts, precision single screws, barrels, hoppers, load cells, servo or stepper motors, gear reducers, PLC/HMI units, inverters, control software, seals, bearings, agitators or anti-bridging components, and food-grade or pharmaceutical-grade contact materials. Major downstream customers include plastics compounding and extrusion companies, masterbatch and additive dosing users, engineering plastics producers, food and feed ingredient processors, fine chemical companies, battery material and functional powder producers, rubber additive manufacturers, and laboratory or pilot-scale production users. On an equipment-body ex-factory basis, covering only the single screw loss-in-weight feeder body and directly bundled basic weighing and control units while excluding twin screw models, vibratory loss-in-weight feeders, liquid pump-based loss-in-weight dosing systems, complete extrusion lines and full multi-component dosing systems, global designed production capacity in 2025 is estimated at about 27,000 units, with sales volume of approximately 19,860 units, an average ex-factory price of about USD 10,900 per unit and an industry gross margin range of around 25%–40%. Standard Chinese and Asian general-purpose units are generally priced lower, while European, US and Japanese high-accuracy,

+357 96 030922
info@marketpublishers.com

hygienic, explosion-proof, wear-resistant and advanced-control models command higher unit prices and stronger margins.

The current market for single screw loss-in-weight feeders is mainly supported by mature applications such as plastics compounding, masterbatch production, food ingredient dosing, fine chemicals and general powder feeding. Overall demand is relatively stable, and the product form is already well established. Compared with twin screw models, single screw feeders are more suitable for free-flowing powders, granules, pellets and flakes, while offering advantages in structural simplicity, easier maintenance and lower procurement cost. As a result, they still account for a significant share of general continuous gravimetric feeding applications. European, US and Japanese suppliers have stronger capabilities in high-accuracy weighing control, hygienic design, long-term stability and system integration, while Chinese and other Asian suppliers continue to gain share in mid-range and standard applications through customization, shorter delivery cycles and better cost performance. Future growth will mainly come from the replacement of volumetric feeders by gravimetric loss-in-weight systems, as well as the increasing automation and formulation precision of downstream production lines. Plastics compounding, engineering plastics, recycled plastics and masterbatch producers are placing greater emphasis on stable dosing of additives, fillers, pigments and functional masterbatches, encouraging the use of single screw loss-in-weight feeders at critical feeding points. Food, nutrition and fine chemical customers are also paying more attention to formulation consistency, batch-to-batch stability and process traceability, turning the feeder from a simple mechanical device into a process control unit with control and data functions. For small and mid-sized customers, single screw models will remain an important entry point for adopting gravimetric feeding because of their relatively manageable cost and simple maintenance. From a technology perspective, single screw loss-in-weight feeders will continue to develop toward higher accuracy, easier cleaning, modular design and smarter control. Equipment suppliers are improving load cell interference resistance, refill disturbance compensation, screw geometry, low-residue hopper design, quick-disassembly cleaning and remote data communication to meet more diverse material requirements and stricter production management standards. For free-flowing powders and granules, standard single screw designs will remain the mainstream. For mildly cohesive powders, flakes and regrinds, agitators, anti-bridging devices, special screw pitches or larger-diameter screws may be required to improve feeding stability. The future differentiation of mid-to-high-end products will come not only from machining precision, but also from material application know-how, control algorithms and integration with complete production lines. The industry still faces several constraints. The single screw structure has natural limitations in material adaptability, and twin screw or special

+357 96 030922
info@marketpublishers.com

feeding mechanisms are often more suitable for highly cohesive, strongly bridging, low-bulk-density or fibrous materials. This restricts the application of single screw models in more challenging powder handling scenarios. In addition, some low-end customers still have limited requirements for dosing accuracy and data traceability, and may continue to use lower-cost volumetric screw feeders, slowing the replacement cycle. Although Chinese and other Asian suppliers have become more competitive in standard products, they still need to improve low-rate stability, long-term drift control, hygienic validation, international certification and overseas service capability. The market is expected to remain segmented, with high-end customers focusing on validation and reliability, mid-market customers emphasizing overall cost performance, and low-end customers remaining highly price-sensitive.

This report studies the global Single Screw Loss-in-Weight Feeders production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Single Screw Loss-in-Weight Feeders and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Single Screw Loss-in-Weight Feeders that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Single Screw Loss-in-Weight Feeders total production and demand, 2021-2032, (Units)
Global Single Screw Loss-in-Weight Feeders total production value, 2021-2032, (USD Million)
Global Single Screw Loss-in-Weight Feeders production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)
Global Single Screw Loss-in-Weight Feeders consumption by region & country, CAGR, 2021-2032 & (Units)
U.S. VS China: Single Screw Loss-in-Weight Feeders domestic production, consumption, key domestic manufacturers and share
Global Single Screw Loss-in-Weight Feeders production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)
Global Single Screw Loss-in-Weight Feeders production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)
Global Single Screw Loss-in-Weight Feeders production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

+357 96 030922
info@marketpublishers.com

This report profiles key players in the global Single Screw Loss-in-Weight Feeders market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Coperion, Kubota, AZO, WAMGROUP, Gericke Group, Thayer Scale, Acrison, MERRICK Industries, Funken Powtechs, Wuxi Lingood Machinery Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Single Screw Loss-in-Weight Feeders market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Single Screw Loss-in-Weight Feeders Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

+357 96 030922
info@marketpublishers.com

Global Single Screw Loss-in-Weight Feeders Market, Segmentation by Type:

Standard Industrial Grade

Hygienic Grade

Other

Global Single Screw Loss-in-Weight Feeders Market, Segmentation by Feed Rate Range:

Micro Feed Rate (Below 1 kg/h)

Low Feed Rate (1–50 kg/h)

Medium Feed Rate (50–500 kg/h)

High Feed Rate (Above 500 kg/h)

Global Single Screw Loss-in-Weight Feeders Market, Segmentation by Material Type:

Powder

Granules and Pellets

Other

Global Single Screw Loss-in-Weight Feeders Market, Segmentation by Application:

Plastics and Polymer Processing

Food and Feed Processing

Pharmaceutical Manufacturing

+357 96 030922
info@marketpublishers.com

Chemicals and Functional Materials

Other

Companies Profiled:

Coperion

Kubota

AZO

WAMGROUP

Gericke Group

Thayer Scale

Acrison

MERRICK Industries

Funken Powtechs

Wuxi Lingood Machinery Technology

Shanghai Sonner Intelligent Equipment

Guangdong High Dream Intellectualized Machinery

Key Questions Answered:
1. How big is the global Single Screw Loss-in-Weight Feeders market?
2. What is the demand of the global Single Screw Loss-in-Weight Feeders market?
3. What is the year over year growth of the global Single Screw Loss-in-Weight Feeders market?
4. What is the production and production value of the global Single Screw Loss-in-

+357 96 030922
info@marketpublishers.com

Weight Feeders market?
5. Who are the key producers in the global Single Screw Loss-in-Weight Feeders market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

5 MARKET ANALYSIS BY TYPE

+357 96 030922
info@marketpublishers.com

6 MARKET ANALYSIS BY FEED RATE RANGE

7 MARKET ANALYSIS BY MATERIAL TYPE

+357 96 030922
info@marketpublishers.com

8 MARKET ANALYSIS BY APPLICATION

9 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Single Screw Loss-in-Weight Feeders Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GE32E686750AEN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/GE32E686750AEN.html