



LOSS-IN-WEIGHT FEEDER

PRODUCT BROCHURE



Stock code: 833284



WUXI LinGood MACHINERY TECHNOLOGY CORP.

Tel: +86-0510 8383 2668

Add: NO. 80, Xinya Rd, Luoshe Town, Huishan District, Wuxi, Jiangsu

Email: info@lingood.cn

Website: <https://www.lingood.com.cn>



SERVICE PROVIDER FOR METERED FEEDING
AND MATERIAL CONVEYING SYSTEM

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ABOUT US

Wuxi LinGood Machinery Technology Corp. (Hereinafter referred to as LinGood Technology) was founded in 2012, its predecessor, Chenghao Machinery, was the birthplace of both loss-in-weight technology and the first loss-in-weight feeder in China. LinGood is a high-tech enterprise in material metering and conveying industry, and a NEEQ-listed company. The core team is composed of senior experts with over 20 years experience in loss-in-weight feeding and plastic machinery industry. Now LinGood has grown up to be the largest R&D and manufacturing base of both loss-in-weight feeders, and complete process equipment in China.

LinGood Technology strives to create a national brand and is meticulously committed to the development and application of material metering, batching, and conveying technologies. We offer supports in R&D, engineering design and technical services for various products like Loss-in-weight feeders, volumetric feeders, pelletizers, intelligent micro batching systems, weighing feeding systems, loss-in-weight feeding and raw material conveying systems, centralized feeding systems, intelligent control systems, and so on. We also provide integrated solutions for plastics, chemicals, food, rubber, pharmaceuticals, environmental protection, new energy and some other process industries.

LinGood Technology has advantageous technologies and top-notch talents in chemical machinery, mechanical manufacturing, chemical processes, automation control, electrical engineering and automation, computer engineering and other fields. It also has a leading comprehensive ingredient feeding experimental platform in the industry, as well as vertical machining centers, horizontal machining centers, and other types of CNC processing equipment and specialized processing equipment, providing our customers with first-class products.

LinGood Technology has after-sales and service networks in various regions of China and major regions around the world, providing users with pre-sales technical support and after-sales technical services as soon as possible.

CERTIFICATES AND QUALIFICATIONS



MODELS AND APPLICATION OF SCREWS

MODELS OF SCREW	SHAPE	APPLICATION
Twin concave screw with long pitch		Poor-flowing powder
Twin concave screw with short pitch		Poor-flowing powder
Twin auger screw with long pitch		Free-flowing powder
Twin auger screw with short pitch		Free-flowing powder
Twin spiral screw with long pitch		Free-flowing powder, Hygroscopic powder, Granular, Flake, Crushed materials
Single auger screw with long pitch		Granular, fibre, Flake, Crushed materials
Single auger screw with short pitch		Granular, fibre, Flake, Crushed materials
Single spiral screw with long pitch		Free-flowing powder, Granular, Sphere

TWIN SCREW LOSS-IN-WEIGHT FEEDER (MODEL R)

FEATURES

- Adopting advanced weight processing technology and short control technology, with strong anti-interference ability, higher feeding accuracy and stability.
- The feeding section is easy to disassemble, clean, replace, and maintain.
- Horizontal agitator, vertical agitator is optional, anti bridging function.
- Universal screw interface, convenient for replacing different types of screws, achieving a wider range of feeding purposes for one equipment.



APPLICABLE MATERIALS

- Talc powder
- Resin powder
- Calcium carbonate
- Powder additives
- Titanium dioxide
- Carbon black
- Barium sulfate
- Petroleum coke powder

APPLICABLE INDEX

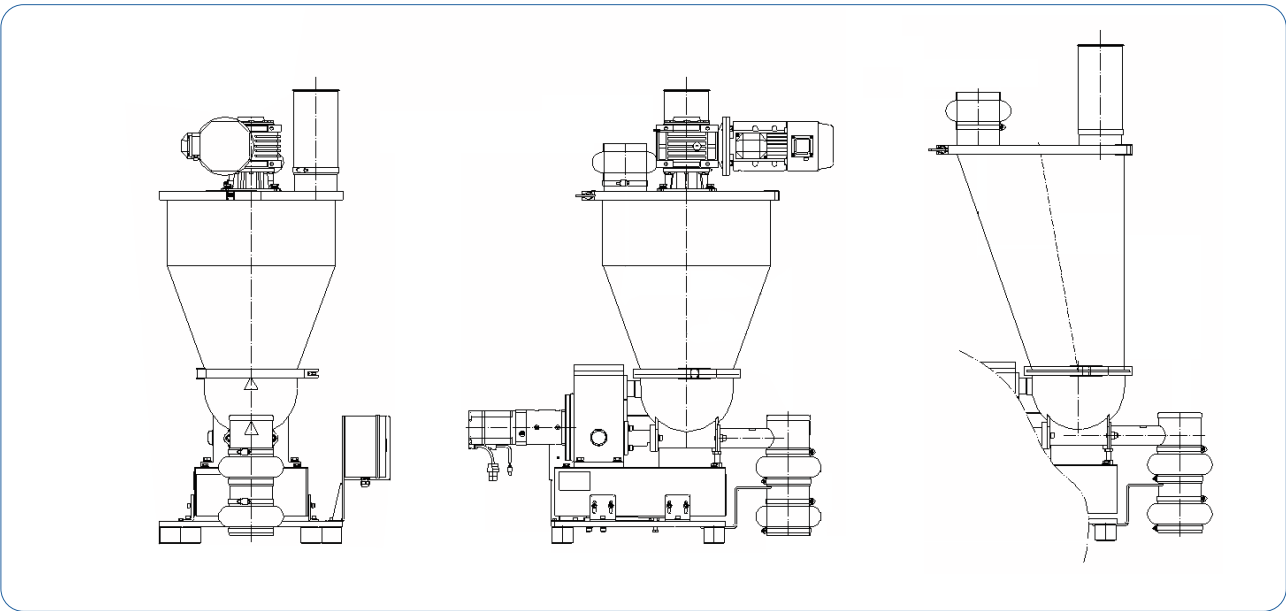
- | | |
|----------------------|-------|
| Anti bridging | ★★★★★ |
| Sealing | ★★★★★ |
| Corrosion resistance | ★★★★★ |
| Easy to clean | ★★★★★ |
| Stability | ★★★★★ |

SPECIFICATION

Model	Feed Rate (KG/H)	Motor	Material contact part material	Optional Accessories	Optional hopper (L)
LG-LW-RT28	3-150	0.75KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	40/80
LG-LW-RT38	50-600	1KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	80/120/150
LG-LW-RT46	400-1500	1.5KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	120/150/180

Note: Above data is measured by materials with good fluidity, and the feeding rate may vary depending on the actual material's specific gravity, fluidity, and other characteristics. The specific technical parameters can be consulted with LinGood Technology. LinGood reserves the right to change the sample parameters. If there are any changes, no further notice will be given.

OUTLINE DRAWING



SINGLE SCREW LOSS-IN-WEIGHT FEEDER (MODEL R)

FEATURES

- Adopting advanced weight processing technology and short control technology, with strong anti-interference ability, higher feeding accuracy and stability.
- The feeding section is easy to disassemble, clean, replace, and maintain.
- Universal screw interface, convenient for replacing different types of screws, achieving a wider range of feeding purposes for one equipment.



APPLICABLE MATERIALS

- PP
- PE
- PA
- PC
- ABS
- POM

APPLICABLE INDEX

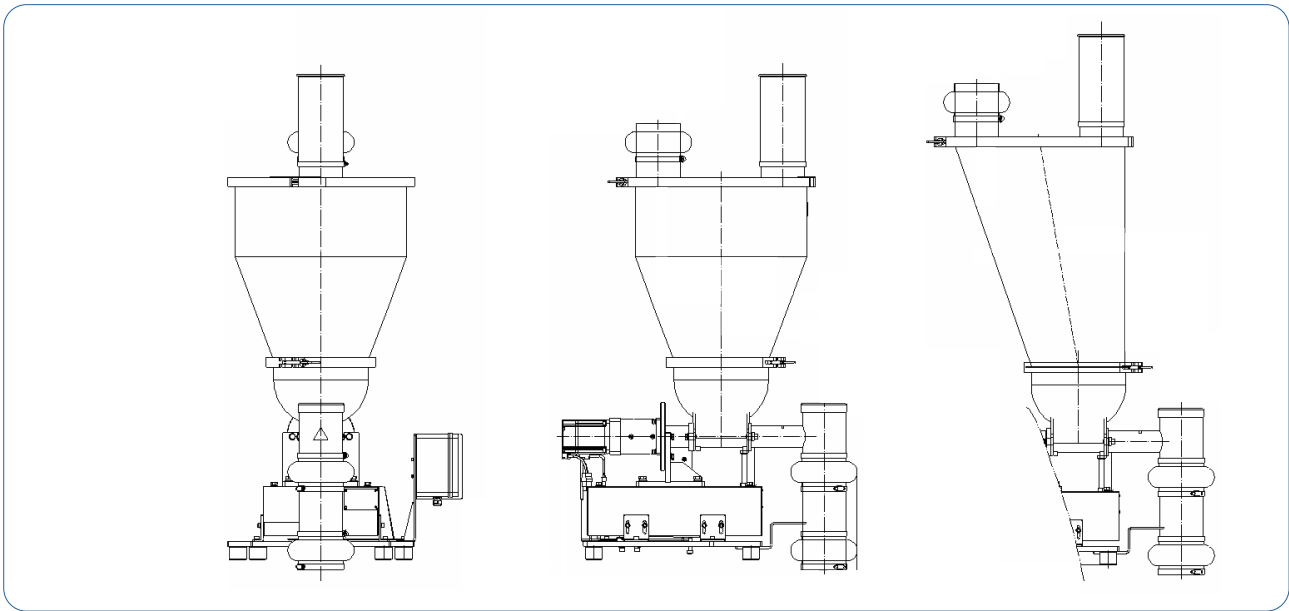
- | | |
|----------------------|-------|
| Sealing | ★★★★★ |
| Corrosion resistance | ★★★★★ |
| Easy to clean | ★★★★★ |
| Stability | ★★★★★ |
| Accuracy | ★★★★★ |

SPECIFICATION

Model	Feed Rate (KG/H)	Motor	Material contact part material	Optional Accessories	Optional hopper (L)
LG-LW-RS45	100	0.4KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	40/80
LG-LW-RS70	150-800	0.75KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	80/120/150
LG-LW-RS100	500-1500	1KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	120/150/180

Note: Above data is measured by materials with good fluidity, and the feeding rate may vary depending on the actual material's specific gravity, fluidity, and other characteristics. The specific technical parameters can be consulted with LinGood Technology. LinGood reserves the right to change the sample parameters. If there are any changes, no further notice will be given.

OUTLINE DRAWING



LIQUID LOSS-IN-WEIGHT FEEDER (NORMAL TEMPT. MODEL)

FEATURES

- The storage tank has a level switch to monitor the level of internal liquid directly.
- With its unique design, material can be conveyed stably under high pressure.
- Solid construction, low fault rate and easy to operate.
- Multiple power transmission methods and operation modes can be designed according to the needs of customers.
- Three explosion-proof modes: heating device explosion-proof, motor explosion-proof, and mechanical structure explosion-proof.



APPLICABLE MATERIALS

- Water
- Silicane
- White oil
- BOP (plasticizer)
- DCP (chemical crosslinking)
- BDP (liquid flame retardant)

APPLICABLE INDEX

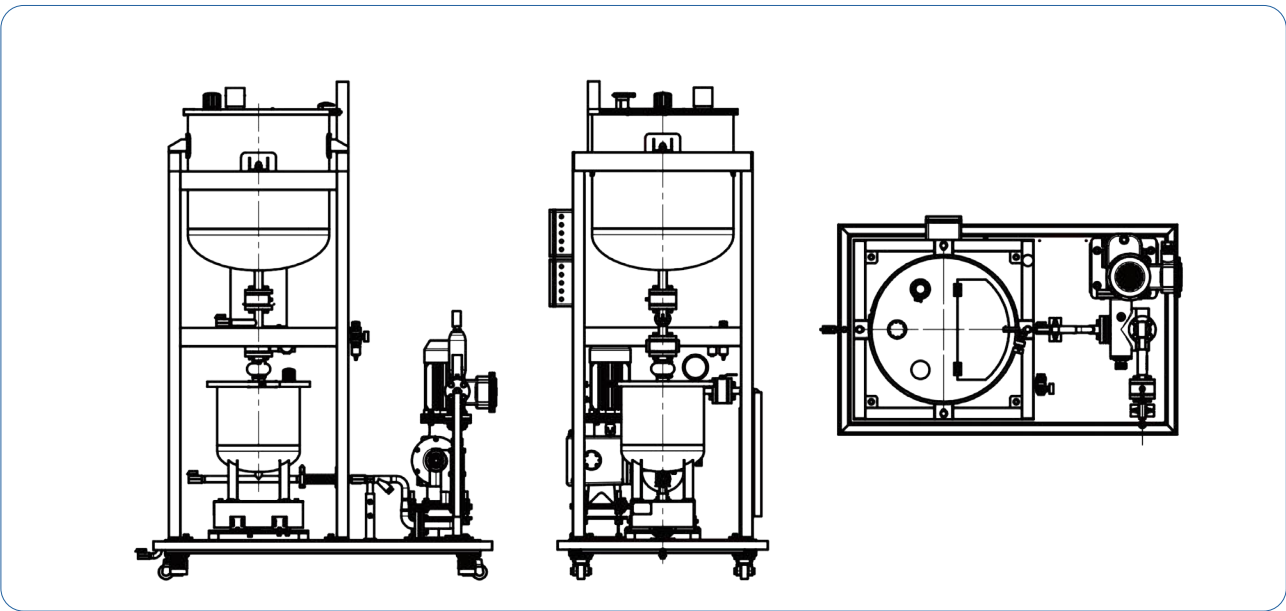
Sealing	★★★★★
Corrosion resistance	★★★★
Easy to clean	★★★★
Stability	★★★★★
Accuracy	★★★★★

SPECIFICATION

Model	Feed Rate (KG/H)	Material contact part material	Optional Accessories
LG-LW-L10	20	SS 304	explosion-proof, food, medicine are optional
LG-LW-L20	100	SS 304	explosion-proof, food, medicine are optional
LG-LW-L30	200	SS 304	explosion-proof, food, medicine are optional

Note: Above data is measured by materials with good fluidity, and the feeding rate may vary depending on the actual material's specific gravity, fluidity, and other characteristics. The specific technical parameters can be consulted with LinGood Technology. LinGood reserves the right to change the sample parameters. If there are any changes, no further notice will be given.

OUTLINE DRAWING



LIQUID LOSS-IN-WEIGHT FEEDER (HEATING MODEL)

FEATURES

- The storage tank has a level switch to monitor the level of internal liquid directly.
- With its unique design, material can be conveyed stably under high pressure.
- Solid construction, low fault rate and easy to operate.
- Multiple power transmission methods and operation modes can be designed according to the needs of customers.
- Three explosion-proof modes: heating device explosion-proof, motor explosion-proof, and mechanical structure explosion-proof.
- Three heating methods: electric heating, water heating, and oil heating.
- High quality insulation material, high sealing design, reducing energy loss.



APPLICABLE MATERIALS

- DCP (chemical crosslinking)
- BOP (plasticizer)
- BDP (liquid flame retardant)

APPLICABLE INDEX

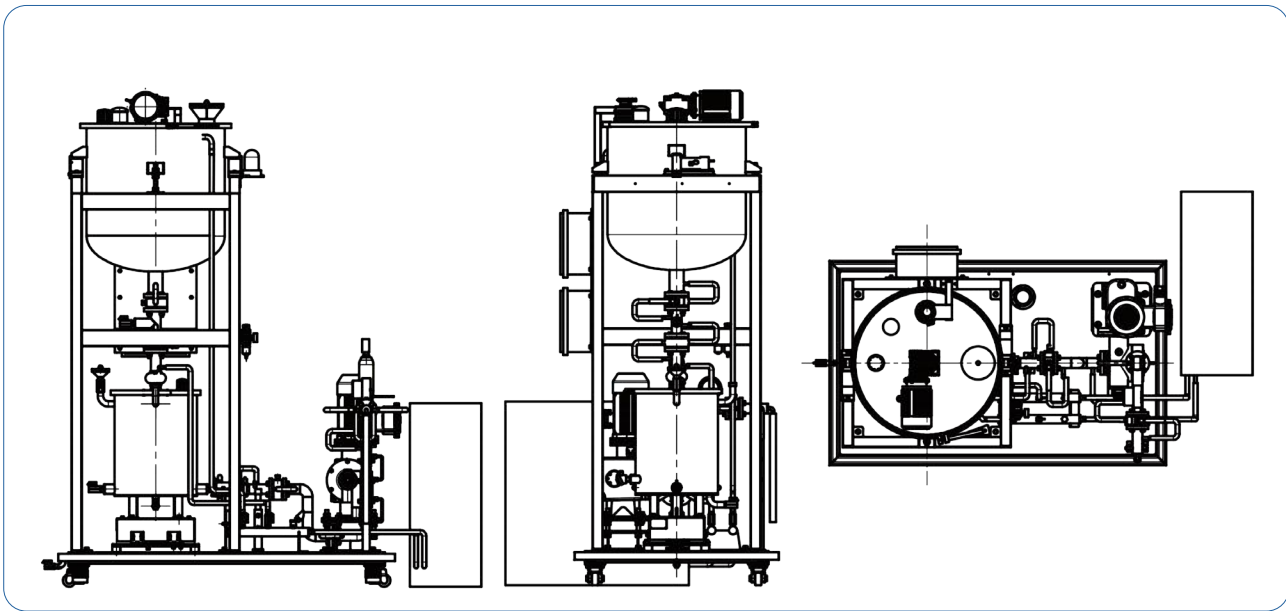
Sealing	★★★★★
Corrosion resistance	★★★★
Easy to clean	★★★★
Stability	★★★★★
Accuracy	★★★★★

SPECIFICATION

Model	Feed Rate (KG/H)	Material contact part material	Optional Accessories
LG-LW-HL10	20	SS 304	explosion-proof, food, medicine are optional
LG-LW-HL20	100	SS 304	explosion-proof, food, medicine are optional
LG-LW-HL30	200	SS 304	explosion-proof, food, medicine are optional

Note: Above data is measured by materials with good fluidity, and the feeding rate may vary depending on the actual material's specific gravity, fluidity, and other characteristics. The specific technical parameters can be consulted with LinGood Technology. LinGood reserves the right to change the sample parameters. If there are any changes, no further notice will be given.

OUTLINE DRAWING



MASSIVE PRODUCTION LOSS-IN-WEIGHT FEEDER

FEATURES

- Three-point suspension sensor makes the overall structure stable, with a larger volume hopper, extending the feeding cycle and reducing feeding times, suitable for high-yield feeding needs.
- The feeding section is easy to disassemble, clean, replace, and maintain.
- Horizontal agitator, vertical agitator is optional, anti bridging function.
- Universal screw interface, convenient for replacing different types of screws, achieving a wider range of feeding purposes for one equipment.



APPLICABLE MATERIALS

- Talc powder
- Titanium dioxide
- Resin powder
- Carbon black
- Calcium carbonate
- Barium sulfate
- Powder additives
- Petroleum coke powder

APPLICABLE INDEX

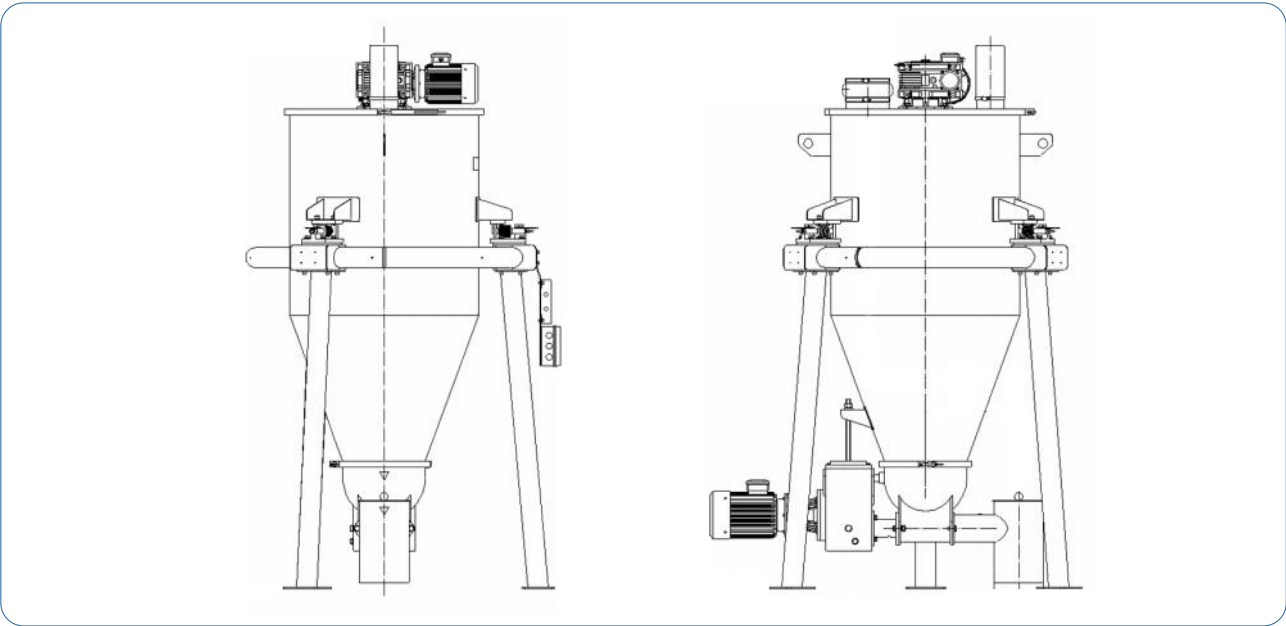
- | | |
|----------------------|-------|
| Anti bridging | ★★★★★ |
| Sealing | ★★★★★ |
| Corrosion resistance | ★★★★★ |
| Easy to clean | ★★★★★ |
| Stability | ★★★★★ |

SPECIFICATION

Model	Feed Rate (KG/H)	Motor	Material contact part material	Optional Accessories	Optional hopper (L)
LG-LW-3ST64	150-4000	2.2KW, AC 380V, 50Hz	SS 304	explosion-proof, food, medicine are optional	400
LG-LW-3ST120	1500-4500	2.2KW, AC 380V, 50Hz	SS 304	explosion-proof, food, medicine are optional	500
LG-LW-3ST150	1000-6000	2.2KW, AC 380V, 50Hz	SS 304	explosion-proof, food, medicine are optional	1000

Note: Above data is measured by materials with good fluidity, and the feeding rate may vary depending on the actual material's specific gravity, fluidity, and other characteristics. The specific technical parameters can be consulted with LinGood Technology. LinGood reserves the right to change the sample parameters. If there are any changes, no further notice will be given.

OUTLINE DRAWING



COMPACT LOSS-IN-WEIGHT FEEDER

FEATURES

- High-precision micro powder feeding.
- The feeding section is easy to disassemble, clean, replace, and maintain.
- Optimized agitator, with high anti bridging performance.



APPLICABLE MATERIALS

- Accessory ingredient
- Antioxidant

APPLICABLE INDEX

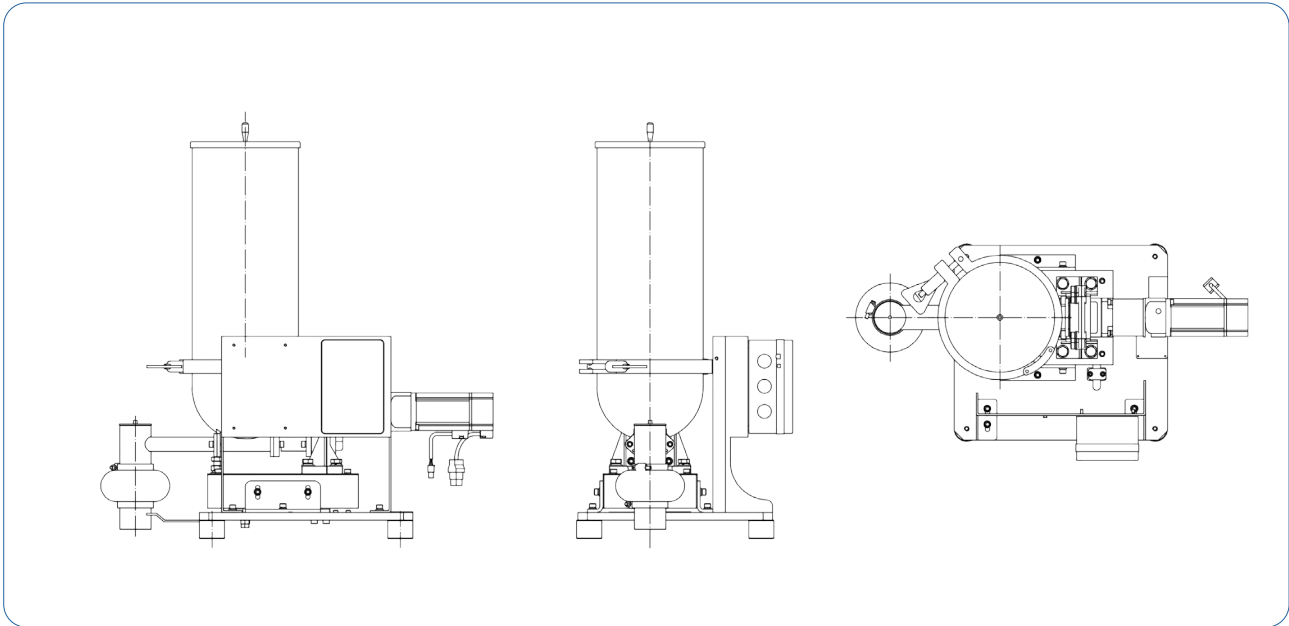
- | | |
|----------------------|-------|
| Anti bridging | ★★★★★ |
| Sealing | ★★★★★ |
| Corrosion resistance | ★★★★★ |
| Easy to clean | ★★★★★ |
| Stability | ★★★★★ |
| Accuracy | ★★★★★ |

SPECIFICATION

Model	Feed Rate (KG/H)	Motor	Material contact part material	Optional Accessories	Optional hopper (L)
LG-LW-RT10	0.15-2.5	0.4KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	2
LG-LW-RT16	0.5-5	0.4KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	6/10
LG-LW-RT20	0.7-15	0.4KW, AC 220V, 50Hz	SS 304	explosion-proof, food, medicine are optional	6

Note: Above data is measured by materials with good fluidity, and the feeding rate may vary depending on the actual material's specific gravity, fluidity, and other characteristics. The specific technical parameters can be consulted with LinGood Technology. LinGood reserves the right to change the sample parameters. If there are any changes, no further notice will be given.

OUTLINE DRAWING



VIBRATORY LOSS-IN-WEIGHT FEEDER

FEATURES

- Electromagnetic vibration, to transport materials horizontally forward.
- Unlike screw feeder, materials can be transported stably and spread evenly.
- No damage to materials, preserve the original appearance of the conveyed material.
- Easy to clean and install.
- Can be used for irregular and fragile material transportation.
- A special spring plate and counterweight balance block are installed between the vibrating body and the fixed plate, making the weight distribution work efficiently.
- Unique design, can effectively absorb reaction forces and achieve stable and high-speed convey.



APPLICABLE MATERIALS

- Flaky PE
- Crushing materials
- Short fiberglass

APPLICABLE INDEX

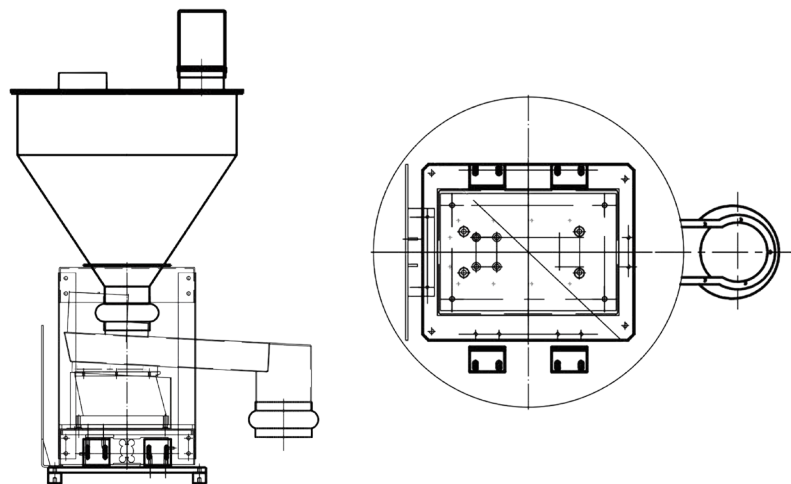
Corrosion resistance	★★★★
Easy to clean	★★★★
Stability	★★★★★
Accuracy	★★★★

SPECIFICATION

Model	Feed Rate (KG/H)	Material contact part material	Optional Accessories	Optional hopper (L)
LG-LW-VT25	5-75	SS 304	explosion-proof, food, medicine are optional	25
LG-LW-VT50	10-200	SS 304	explosion-proof, food, medicine are optional	50
LG-LW-VT100	40-500	SS 304	explosion-proof, food, medicine are optional	100
LG-LW-VT150	300-1000	SS 304	explosion-proof, food, medicine are optional	300
LG-LW-VT200	500-3000	SS 304	explosion-proof, food, medicine are optional	500

Note: Above data is measured by materials with good fluidity, and the feeding rate may vary depending on the actual material's specific gravity, fluidity, and other characteristics. The specific technical parameters can be consulted with LinGood Technology. LinGood reserves the right to change the sample parameters. If there are any changes, no further notice will be given.

OUTLINE DRAWING



CONTROLLING SYSTEM OF LOSS-IN-WEIGHT FEEDER

FEATURES

- Adopts microchip control, with fast running speed and high stability.
- Special customized optimization algorithms, with high material control accuracy.
- Fault shutdown/ alarm are optional.
- Real time monitoring of equipment operation status, output, and alarm information.
- Automatically generate reports, data and curve queries.



ADVANTAGES OF CONTROL SYSTEM

- 32-bit chip, high digit capacity, can process more data
- 108 contacts for simultaneous acquisition of more signals
- Computing speed up to 72MHz
- High chip storage capacity, 4 times of conventional chips

SKETCH MAP





Automotive materials
Automotive plastics
Wire and cable
Automotive Interior
Waterproof material

CUSTOMER CASES





CUSTOMER CASES

Polymer Materials

Recycled plastic

XPS foam board

Modified nylon

Color masterbatch industry





Degradable materials
Engineering plastic
Wire and cable
New energy
Photovoltaic industry
Waterproof material

CUSTOMER CASES



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 **SUGAIDA**
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Cangzhou Dahua

 **云天化集团**
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