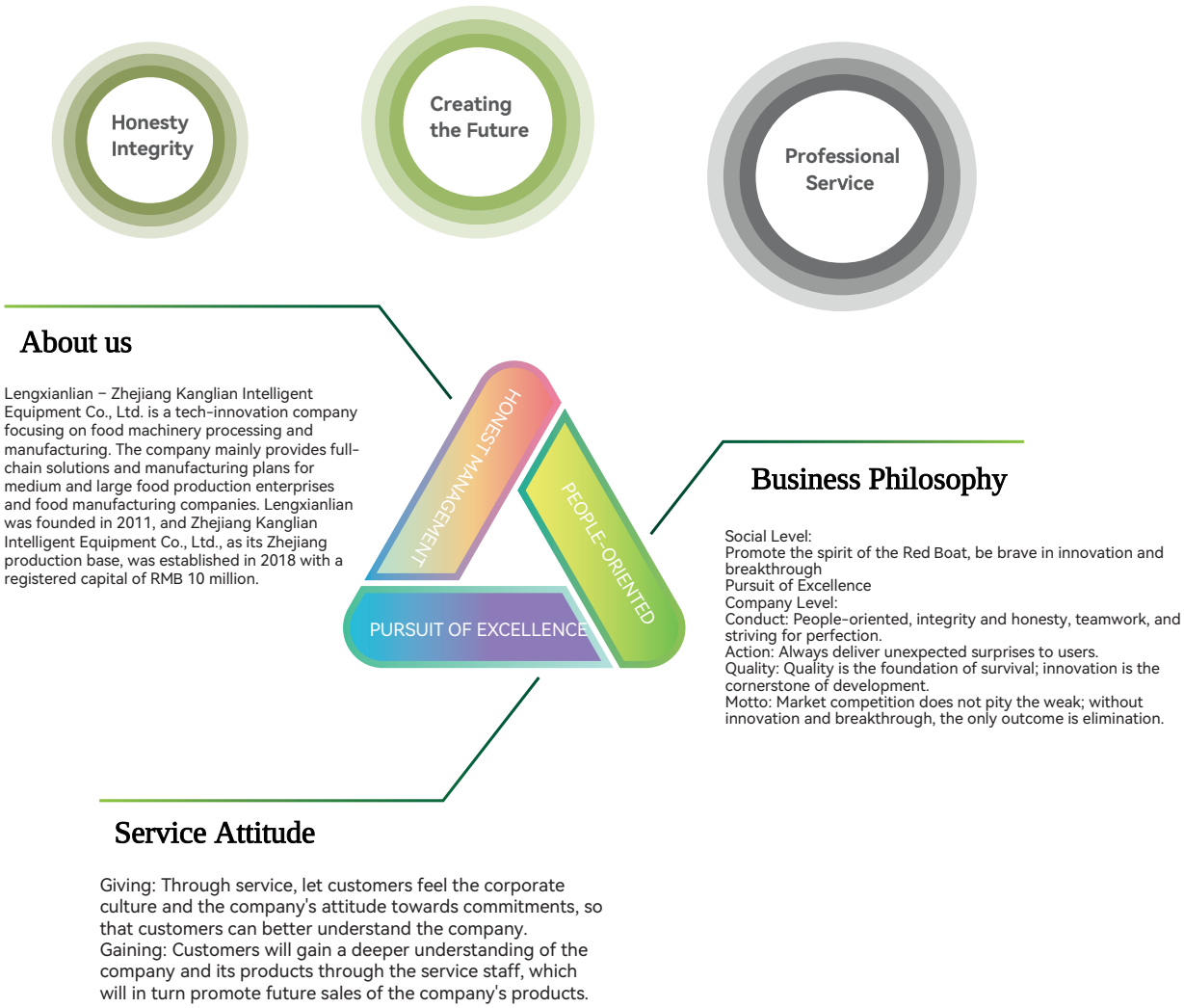


Zhejiang Kanglian Intelligent Equipment Co., Ltd.



Kanglian Intelligent · KGRY Series Tumbler

# Corporate Culture



Begins with satisfaction  
Satisfied at last

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## COMPANY PROFILE

Zhejiang Kanglian Intelligent Equipment Co., Ltd. is strategically located in Jiaxing City, Zhejiang Province – the core hinterland of the Yangtze River Delta. It lies within 100 kilometers of Shanghai, Hangzhou, Suzhou, and Ningbo, offering exceptional transportation accessibility.

Lengxianlian boasts a team of experienced design engineers and highly skilled production specialists, dedicated to the R&D, design, and manufacturing of spiral towers, proofing rooms, bakery production lines, conveying equipment, quick-freezing units, meat thawing systems, tumblers, hot and cold air drying equipment, cold storage rooms, and other refrigeration systems. In addition, we provide technological development and technical services in electromechanical applications. With advanced processing equipment and production facilities, we are committed to delivering high-quality food processing machinery to our customers.

Our professional design and manufacturing personnel work closely with clients to provide systematic and reliable planning solutions as well as comprehensive after-sales services for a wide range of industries, including meat processing, bakery products, quick-frozen foods, meat production, and other agricultural and livestock product processing enterprises.

The food processing equipment we manufacture features high technical content, energy efficiency, environmental friendliness, stable and high-performance operation, and complies with HACCP food hygiene standards. "Leading Fresh Technology" is the corporate tenet of Lenglian Company. We sincerely look forward to establishing friendly cooperative relationships with all enterprises and are committed to working closely with our clients to deliver superior services. Customer satisfaction and trust remain our ultimate goal.

Begins with satisfaction Satisfied at last

## KGRY TUMBLER TECHNICAL INSTRUCTION



### KGRY Series Vacuum Tumbler

Zhejiang Kanglian Intelligent Equipment Co., Ltd. presents the KGRY Series Vacuum Tumbler, engineered with advanced design concepts and precision manufacturing processes. This equipment features user-friendly operation, practical functionality, and reliable performance. It is widely applicable for the marinating and processing of various Chinese and Western meat products and prepared foods, including sausages, ham, bacon, steak, fish fillets, and poultry products. The system is fully controlled by Siemens PLC with fully automatic segmented control.

The vacuum tumbler operates under vacuum conditions, utilizing physical impact principles to continuously tumble, overturn, collide, and beat the meat pieces and meat batters within the drum. This mechanical action effectively massages the product while accelerating the marinating process, ensuring optimal brine absorption and superior product texture.

# MAIN TECHNICAL FEATURES

Low-center design effectively reduces the ceiling height requirement for the tumbling workshop!

Fully automatic lid opening function reduces operator labor intensity!

The entire series is compatible with the same hydraulic loader  
Enables automatic loading of both solid and fluid materials, significantly improving efficiency!

The drum can tilt forward and backward, allowing large loading capacity and complete discharge!Easy to clean and convenient to operate.

The full series features variable-frequency stepless speed regulation, offering wide adaptability for various products!

Continuous vacuum operation, real-time display, and automatic vacuum pressure maintenance!

Equipped with Siemens PLC touchscreen control. Supports single-step or multi-step customized tumbling programs.

Equipped with a water-ring vacuum pump, built-in water tank, and vacuum filter, reducing water waste during operation and minimizing the difficulty of wastewater treatment at the user's facility.

The entire machine is constructed of high-quality 304 stainless steel, with the drum interior finely polished and the exterior sandblasted.

Integrated design and shipment as a complete unit, enabling plug-and-play installation!

Fully automatic Lid-opening Structure



| Capacity | Reference Load (kg) | Total Power | Drum Speed RPM | Vacuum Degree | Weight kg |
|----------|---------------------|-------------|----------------|---------------|-----------|
| 800      | 480                 | 3.7         | 2-12           | -0.085        | 655       |
| 1700     | 1000                | 6.7         | 2-12           | -0.085        | 1100      |
| 2500     | 1500                | 8.5         | 2-12           | -0.085        | 1500      |
| 3500     | 2000                | 11          | 2-12           | -0.085        | 2200      |

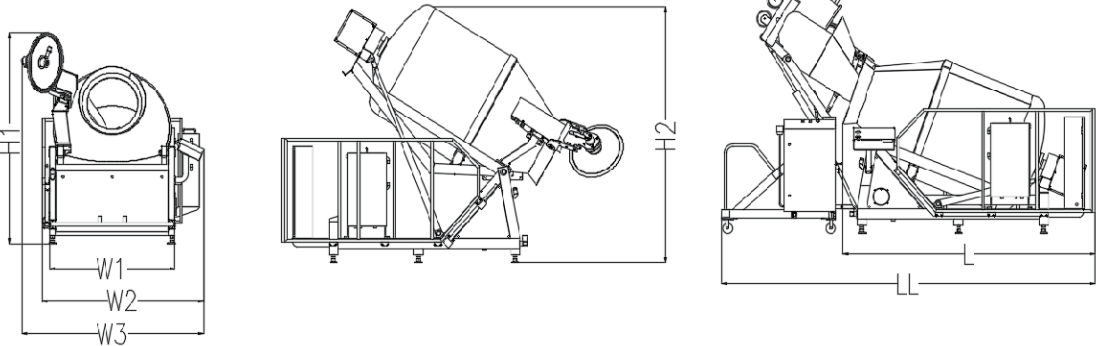
Roller kneading machine with refrigeration

- 1: The refrigeration series vacuum tumbler offers three operating modes: vacuum tumbling, breathing tumbling, and atmospheric tumbling. The vacuum level is displayed in real time via a digital gauge for easy monitoring of the material's vacuum status. The tumbling speed is adjustable and controllable through Siemens frequency conversion.
- 2: The refrigeration temperature is adjustable and controllable. An infrared temperature sensor detects the drum body temperature to regulate the inflow and outflow of coolant, ensuring that the tumbling materials reach the optimal required temperature.
- 3: The cooling system adopts jacketed refrigeration, with a glycol mixture as the refrigerant medium.
- 4: This machine offers a variety of paddle options (single-blade paddle; single-arc paddle; triangular paddle; helical paddle) to meet different process requirements and achieve the optimal tumbling effect for the materials.

| Capacity | Reference Load (kg) | Total Power | Drum Speed RPM | Vacuum Degree | Weight Kg |
|----------|---------------------|-------------|----------------|---------------|-----------|
| 800      | 480                 | 3.7         | 2-12           | -0.085        | 655       |
| 1700     | 1000                | 7.5         | 2-12           | -0.085        | 1100      |
| 2500     | 1500                | 8.5         | 2-12           | -0.085        | 1500      |
| 3500     | 2000                | 11          | 2-12           | -0.085        | 2200      |

TECHNICAL DATA

| MODE | W1   | W2   | W3   | H1   | H2   | L    | LL   | HH   |
|------|------|------|------|------|------|------|------|------|
| 800  | 1050 | 1350 | 1600 | 1740 | 2070 | 2000 | 3300 | 2550 |
| 1700 | 1320 | 1600 | 2260 | 1750 | 2500 | 2580 | 4000 | 2560 |
| 2500 | 1450 | 1730 | 2400 | 1860 | 2750 | 2980 | 4480 | 2560 |
| 3500 | 1800 | 2080 | 2750 | 2000 | 2990 | 3280 | 4780 | 2560 |

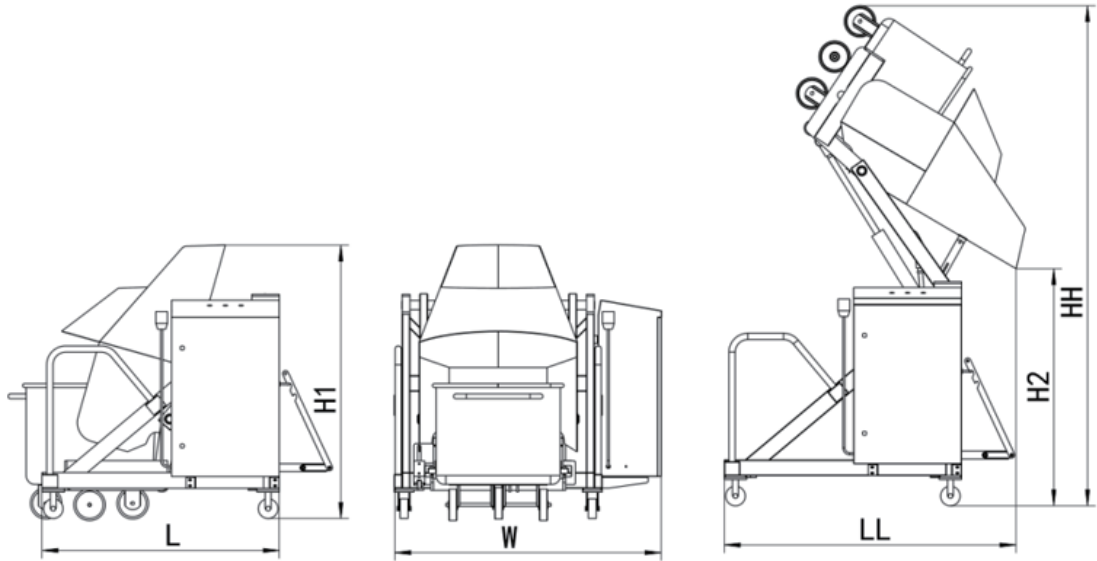


Technical parameters of mobile feeder

| MODE    | HYDRAULIC POWER | LIFTING WEIGHT |
|---------|-----------------|----------------|
| KYL-200 | 1.5KW           | 250KG          |

Technical parameters of mobile feeder

| MODE   | L    | W    | H1   | LL   | H2   | HH   |
|--------|------|------|------|------|------|------|
| KYL200 | 1200 | 1370 | 1360 | 1440 | 1140 | 2550 |



Movable loading device

The KYL-200 mobile hydraulic loader is a supporting equipment designed for feeding tumbler machines. It adopts a standard 200-liter meat truck for loading. Thanks to the interlocking lifting mechanism, the meat truck remains in a translational state throughout the upward travel, ensuring that the meat materials do not spill out. The hopper features a smooth contour design, with an arched baffle plate at the top to prevent meat materials from tumbling over and falling out. It is capable of dumping not only various meat materials but also liquids. The loader is designed with practical considerations for operator safety, fully applying the theory of equal-strength design. The entire machine features a compact and refined structure, clean lines, and is lightweight and easy to move.



KGRY SERIES TUMBLER

## CONTACT US

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## Service Philosophy

Customer first, attentive service

Quality foremost, technology leading.

