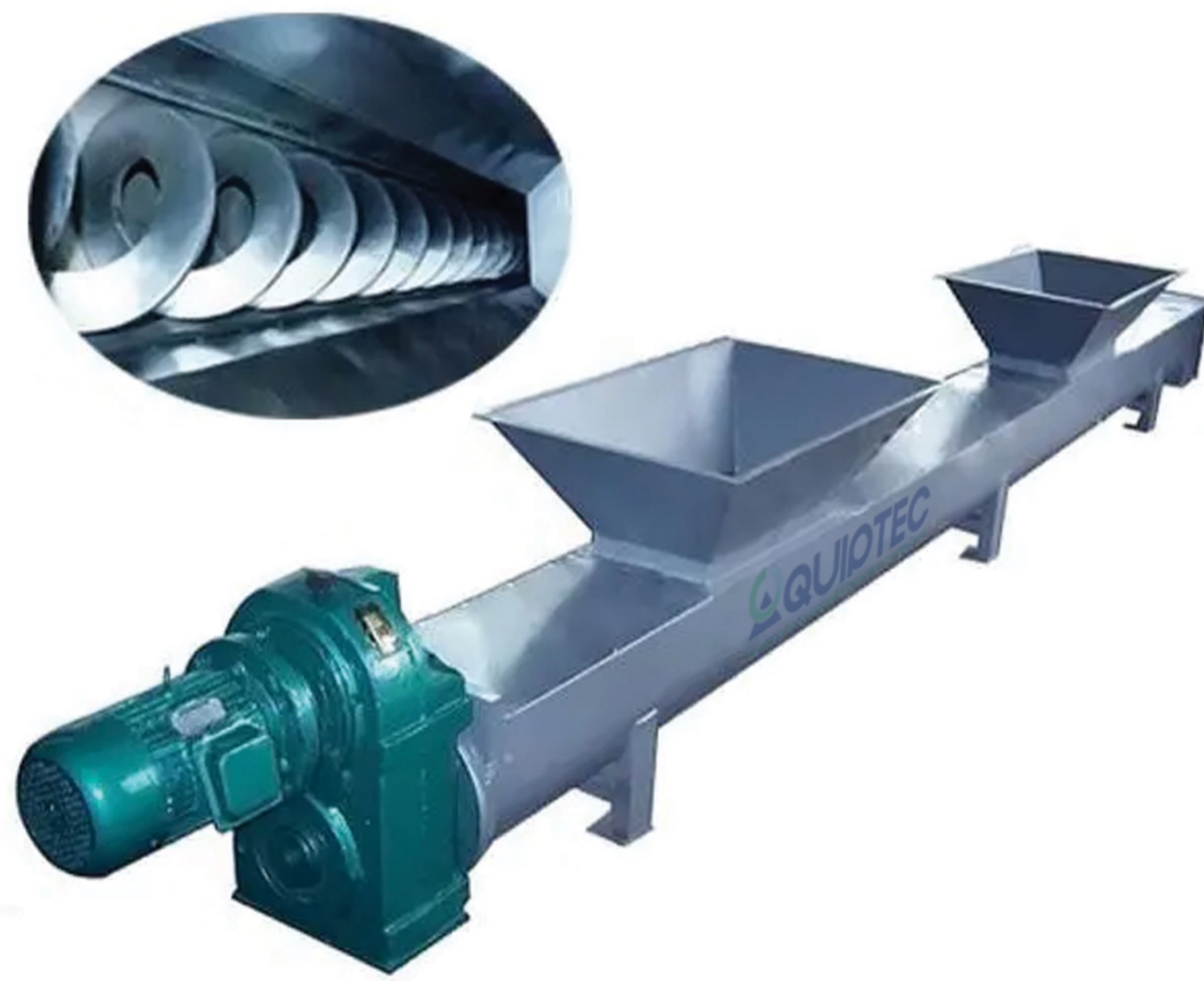


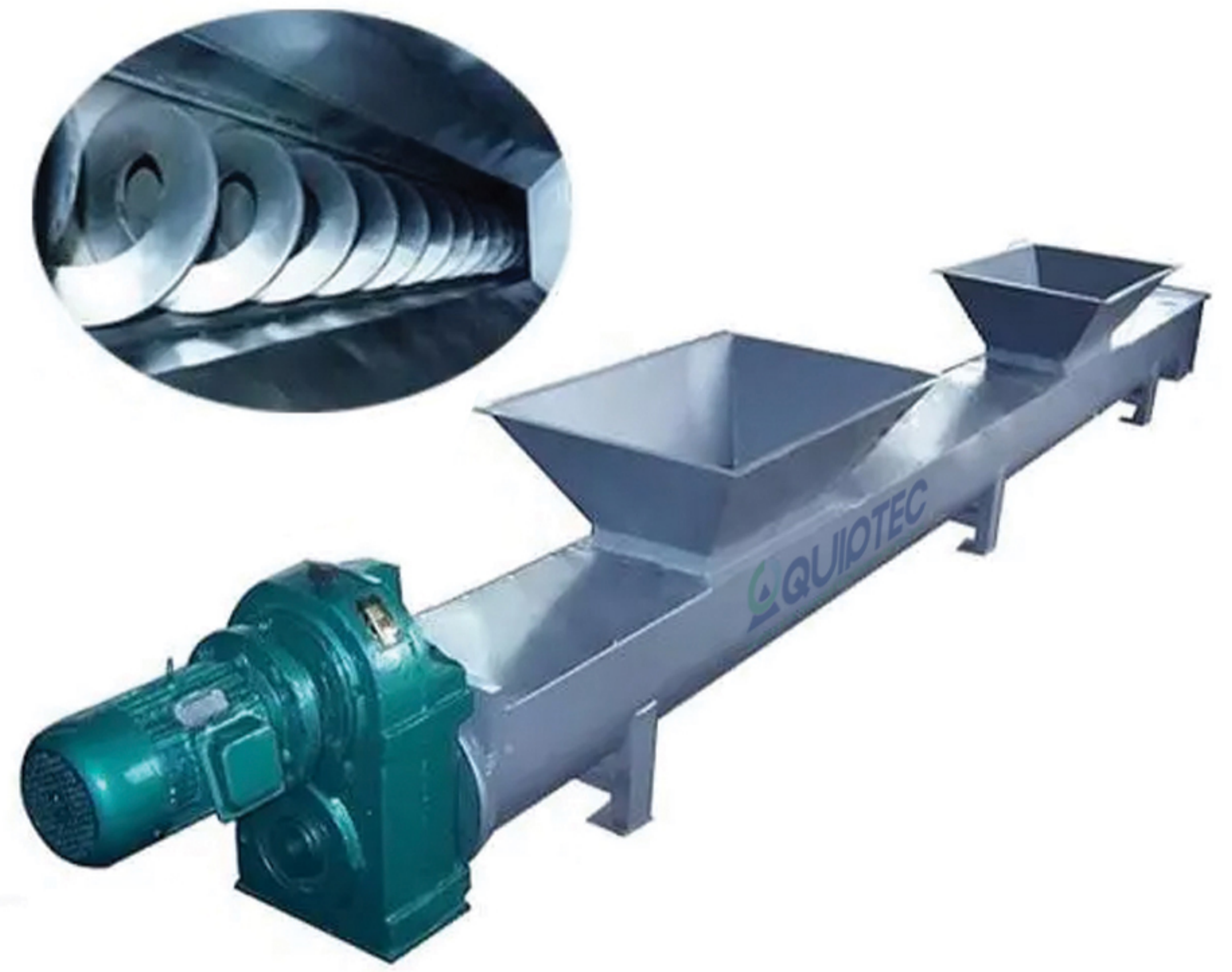
EQUIPMENT



SHAFTLESS SCREW CONVEYOR

SHAFTLESS SCREW CONVEYOR

- **Non-Clogging Operation:** The absence of a central shaft significantly reduces material blockage and entanglement, ensuring continuous and reliable conveying performance.
- **High Conveying Efficiency:** The flexible spiral design allows effective handling of sticky, fibrous, and irregular materials that are difficult to transport with conventional screw conveyors.
- **Low Maintenance Requirements:** With no internal bearings and a simplified mechanical structure, maintenance needs are minimised and service life is extended.
- **Fully Enclosed & Hygienic Design:** The enclosed trough construction prevents material spillage, reduces odours, and improves environmental conditions.
- **Flexible Installation:** Capable of operating at various inclinations, the system can be adapted to suit different plant layouts and installation requirements.

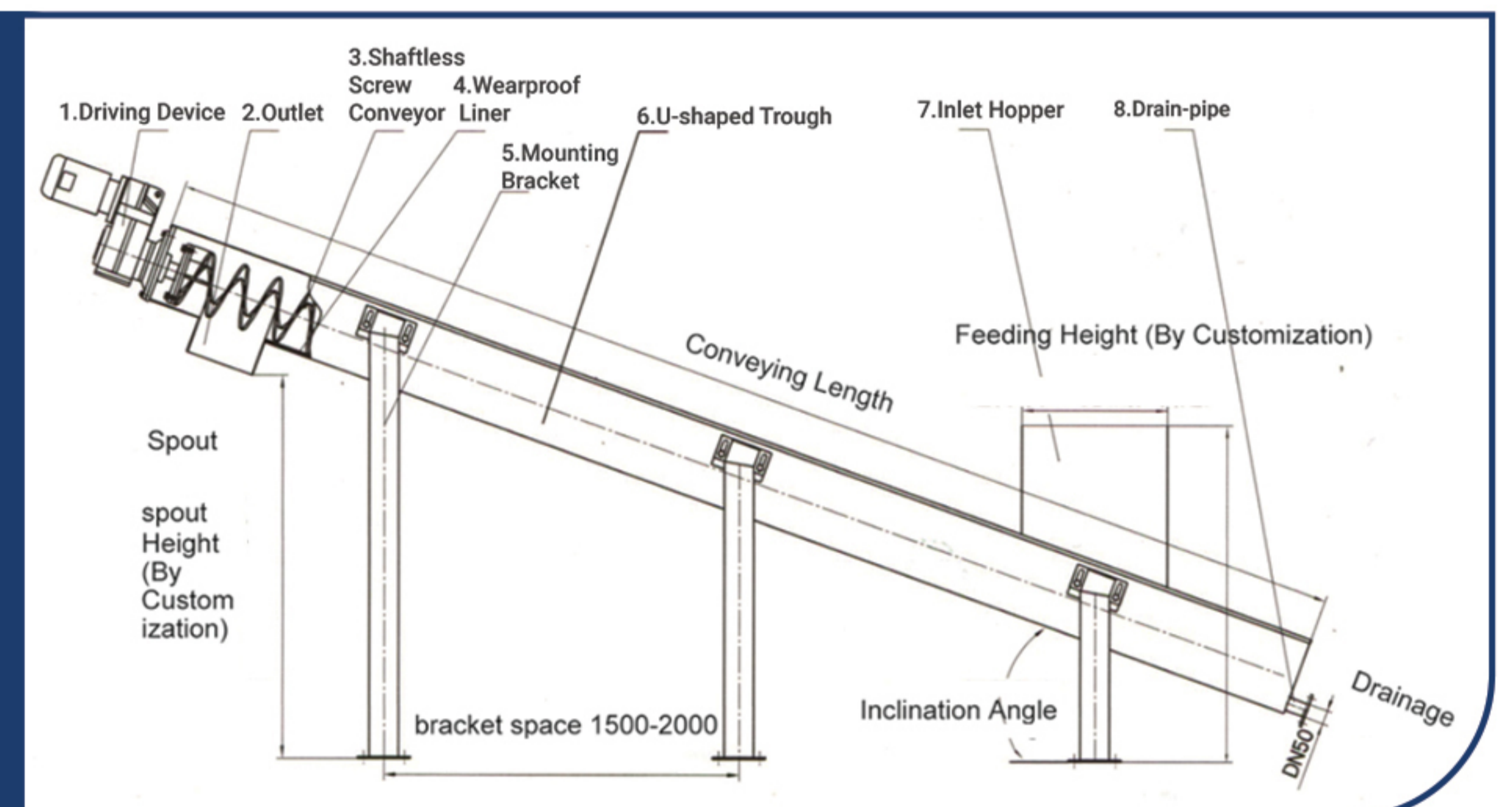


Working Principle

The Shaftless Screw Conveyor consists of a shaftless spiral rotating inside a U-shaped trough, equipped with an inlet hopper and discharge outlet.

As the spiral rotates, material moves along the trough towards the discharge point. The shaftless design allows materials to be conveyed without obstruction, particularly for sticky or entangled solids.

The enclosed structure ensures clean and controlled transport, while reducing wear and maintaining efficient operation over time.



Features

Standard Features

- Shaftless spiral design to eliminate clogging and improve conveying efficiency
- U-shaped trough construction for stable and controlled material transport
- Fully enclosed system to reduce odour and environmental contamination
- No internal bearings, reducing wear and maintenance requirements
- Flexible spiral suitable for handling sticky and fibrous materials
- Stainless steel construction (SS304) for durability and corrosion resistance

Options & Accessories

- Customised conveying length and installation angle
- Inclined or horizontal installation configurations
- Material upgrade options for specific operating conditions
- Additional covers or sealing systems for enhanced containment




Specifications and Parameters

Model	AQT-200	AQT-260	AQT-320	AQT-350	AQT-420	AQT-500	
Conveying Capacity (m ³ /h)	0°	2	3.5	9	11.5	15	25
Conveying Capacity (m ³ /h)	15°	1.4	2.5	6.5	7.8	11	20
Conveying Capacity (m ³ /h)	30°	0.9	1.5	4.1	5.5	7.5	15
Max Conveying Length (m)	10	15	20	20	20	25	
Body Material	SS304						

WASTEWATER, CLEAN-GAS & ENVIRONMENTAL SOLUTIONS



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