TE-1650
VIBRATING SCREEN

TECHNICAL SPECIFICATIONS





SPECIFICATIONS	DATA
Dimensions	1600 mm x 5000 mm
Number of Decks	2-3-4
Motor Power	15-18,5 kW
Speed	1000 rpm
Weight	12000-17000 kg

Note: All weights and dimensions apply to standard units only.

PRODUCTION CAPACITY

100-130 TPH

1 FEED OPENING

- The section where the material from the crusher first enters the screen.
- Its surfaces are covered with bolted, wear-resistant, replaceable liner plates.
- Ensures uniform distribution of the material across the screen surface.
- It is the point where the impact load is the highest.

2 SCREEN BODY

- It is the main body that generates the vibration motion.
- It has a reinforced structure against fatigue cracks.
- It classifies the material according to particle size.
- Each deck can be equipped with steel, anti-clogging, or polyurethane screen media with different aperture sizes.
- Provides maximum screening efficiency thanks to its high open area.
- Designed for quick screen media replacement.
- Dimensions: 1600 × 5000 mm
- Screening area per deck: 8 m²
- Motor Power: 15–18 kW, 1500 rpm, 1 unit
- Available in 2-, 3-, and 4-deck configurations.

3 DRIVE SYSTEM

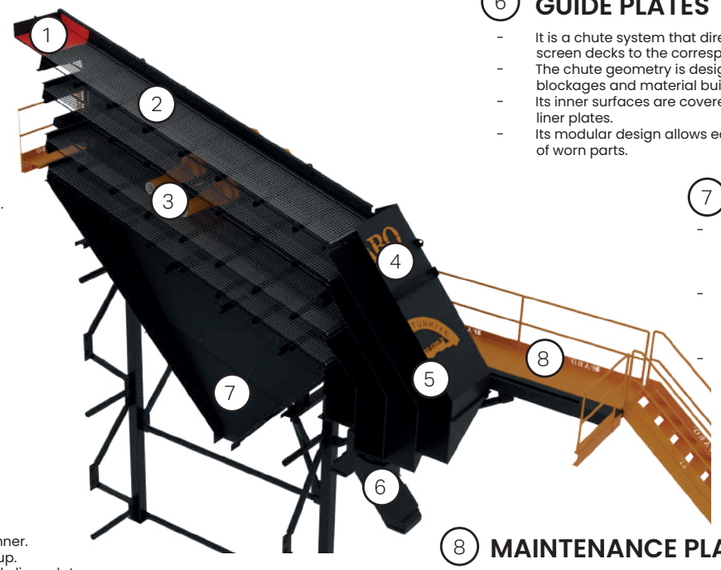
- Generates vibration through an eccentric weight system.
- Provides a long service life with high-quality bearings.
- Offers suitability for different materials thanks to its adjustable stroke (amplitude).
- Grease lubricated.

4 FRONT CHUTE

- Receives the material classified on the corresponding screen deck at the discharge point and directs it in a controlled manner.
- Regulates the material flow, preventing spillage and material build-up.
- Its inner surfaces are covered with bolted, wear-resistant, replaceable liner plates.
- Thanks to the wheeled rail system, maintenance and liner plate replacement can be carried out quickly and easily.

5 PANTS CHUTE

- Transfers the material passing through the bottom screening deck to the corresponding discharge chute safely and efficiently.
- Its inner surfaces are protected with bolted wear plates, providing high wear resistance and a long service life.



6 GUIDE PLATES

- It is a chute system that directs the products separated on different screen decks to the corresponding stockpiling conveyors or transfer conveyors.
- The chute geometry is designed to optimize material flow, minimizing blockages and material build-up.
- Its inner surfaces are covered with bolted, wear-resistant, replaceable liner plates.
- Its modular design allows easy maintenance, cleaning, and replacement of worn parts.

7 BOTTOM CHUTE

- Collects the fine material passing through the bottom screen deck and directs it in a controlled manner to the stockpiling conveyor or the next conveying equipment.
- It is designed with an inclination and cross-sectional geometry that ensure smooth material flow while minimizing blockages and material build-up.
- Its inner surfaces are lined with bolted, replaceable, wear-resistant liner plates in areas exposed to high wear.

8 MAINTENANCE PLATFORM AND LADDER

- Provides safe access to the drive system and screen media for the operator.
- Facilitates periodic maintenance operations.
- Complies with TS EN ISO 14122 standards.





Provides high capacity, precise classification, and low maintenance costs thanks to its optimized vibration motion and large screening area.



Long-lasting, high-efficiency screen media providing high wear resistance and precise screening performance.



Thanks to its four-deck screen structure, it classifies different product sizes with high precision in a single operation. Its robust construction and high vibration performance ensure maximum capacity and efficient production.



The high-strength body structure provides a long service life by resisting vibration-induced fatigue under continuous operating conditions.

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