Taurian® MPS

TERRATRAK
A Taurian Brand

TERRATRAK INCLINED SCREEN

HYBRID

The Taurian MPS - Track Product Range

TERRATRAK JAW
Mobile Jaw Crushers

TERRATRAK CONE
Mobile Cone Crushers

TERRATRAK IMPACTOR
Mobile HSI

TERRATRAK INCLINED SCREEN
Mobile Screening Systems

TERRATRAK HORIZONTAL SCREEN
Mobile Screening Systems

TERRATRAK SCALPER SCREEN
Mobile Screening Systems

INSIGHTS

At a Glance

TT 1545

TT 1662

TT 1545 T

TT 1662 T

Heavy-duty Tracks

Shoe width: 500mm
Speed: 0.8 km/h
Open frame design for easy service access
Agile tracks with 2-speed mode for turnability and speed

Main Conveyor

Belt width: 1200mm
High belt speed
Hydraulic discharge height adjustment

Screenbox

Screen angle: 18°- 30°
Adjustable screenbox angles allow adaptability to a wide range of material applications.
User friendly wedge system ensures faster screen changes

Control Panel

User friendly waterproof and dustproof control panel.
Allows monitoring of important metrics
Provides push button control of conveyors

4 Products Conveyors

4 product capability with integrated and hydraulic stockpiling conveyors.

Feed Hopper with Belt Conveyor

Hopper capacity: upto 8m³
Feed height: 2.5m

Jammu and Kashmir | Track Inclined Screen

Punjab | Track Inclined Screen

Factory | Track Inclined Screen

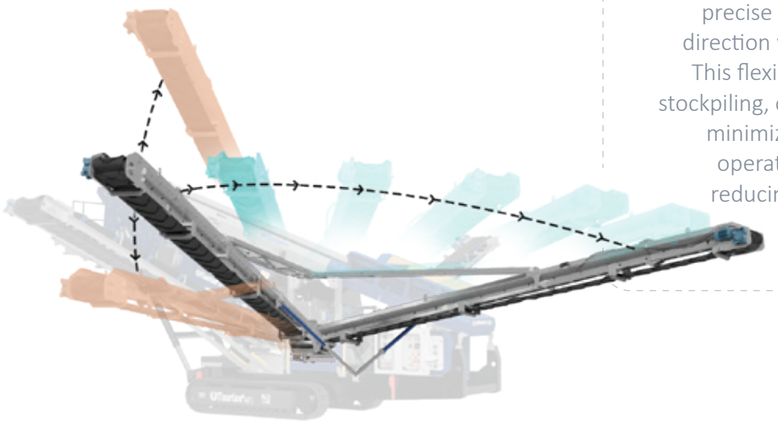
Adjustable Screen box (18°–30°)

This mega screen offers hydraulically adjustable screen box angles from 18° to 30°, giving operators precise control over stroke and material flow. This adaptability enhances particle stratification, optimizes screening efficiency, and ensures consistent performance across different material types, sizes, and moisture levels, improving overall productivity.

Folding Conveyors for Easy Transport

These inclined screens come with hydraulically folding conveyors, enabling the full unit to collapse into a compact footprint. This design facilitates rapid setup, effortless transport, and minimal mobilization effort, making it especially suited for operations requiring frequent site relocations while maintaining efficiency and safety.

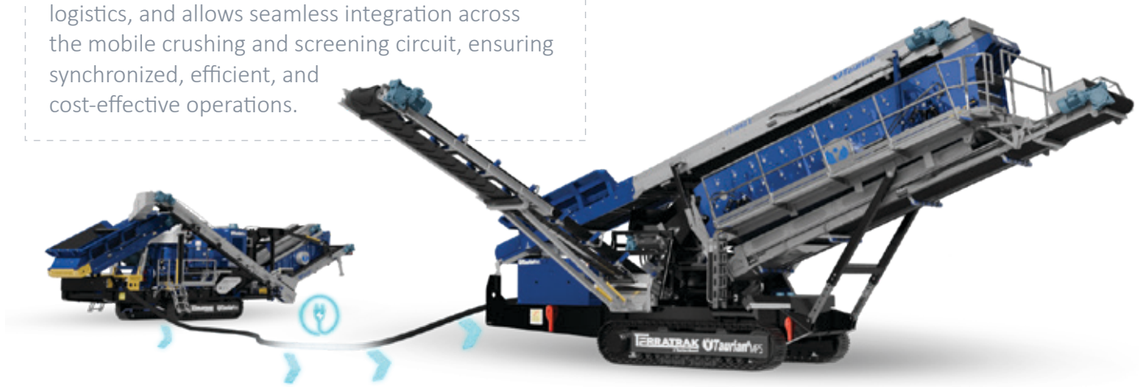
Hydraulically Rotating Conveyor



The hydraulically rotating side conveyor allows precise adjustment of material discharge direction without moving the full machine. This flexibility supports efficient multi-pile stockpiling, optimizes space in confined sites, minimizes loader travel, and streamlines operations, enhancing productivity and reducing time and labor during material handling.

External Power via Secondary Track Unit

This powerful machine can operate using external power supplied by a secondary track-mounted crusher or cone unit. This setup significantly reduces fuel consumption, streamlines site logistics, and allows seamless integration across the mobile crushing and screening circuit, ensuring synchronized, efficient, and cost-effective operations.



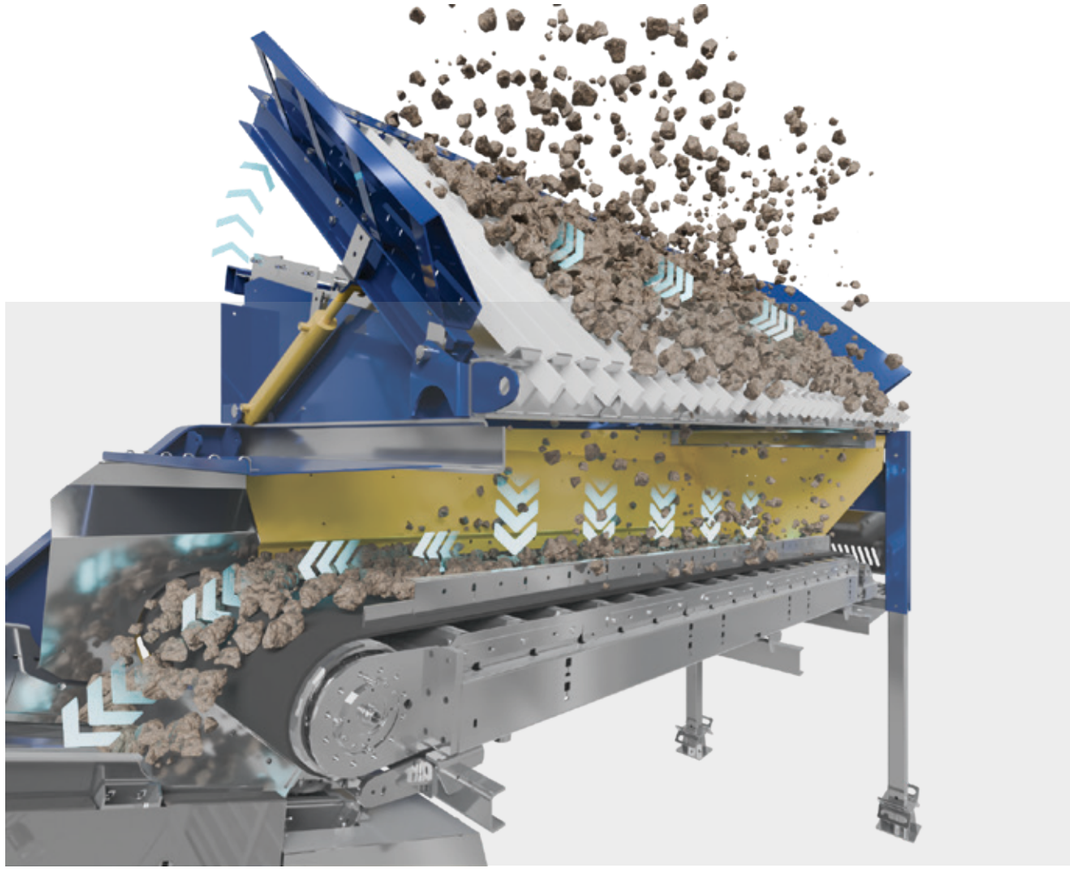
PURPOSE-BUILT FEED HOPPER

Controlled feed. Reduced impact. Reliable performance.

The feed hopper on the Taurian Terratrak™ Inclined Screen is engineered to regulate material flow and ensure consistent feed conditions at the screening deck. Its design focuses on controlled material presentation, which is critical for maintaining screening efficiency, throughput stability, and separation accuracy.

The hopper geometry and holding volume are optimized to act as a surge buffer between the loading equipment and the screening unit. This buffering capacity dampens feed fluctuations from wheel loaders, reducing peak loading and preventing sudden material surges that can adversely affect deck performance and screening media life. Material flow is directed evenly across the full width of the screening deck, promoting effective stratification and maximizing the active screening area.

Flow-optimized sidewall angles minimize dead zones, material bridging, and hang-ups, ensuring smooth draw-down and continuous operation with reduced spillage. Designed for heavy-duty site conditions, the feed hopper allows safe and efficient wheel-loader feeding and integrates structurally with the Terratrak™ inclined screen frame. Optional hopper configurations are available to accommodate varying feed sizes, material characteristics, and site-specific operating requirements.



Dual-Deck Grates for Reliable Feed Control

Protects screens, pre-sorts material, and maintains smooth operation

Slotted Grate System

The Terratrak™ Inclined Screen features a purpose engineered slotted grate system at the feed hopper to protect screening media and regulate material flow. The hydraulically foldable grate arrests oversize material and reduces impact loads, enabling quick blockage clearance. An optional dual-deck vibrating grate with wire mesh improves pre-separation, feed consistency, screening efficiency, and operational stability under varying site conditions.

Vibrating Slotted Grate on Feed Hopper

Slotted Grate (Upper Deck)

Separates oversized material at the feed point to protect screening media.

110 mm slot opening ensures controlled entry of coarse material.

Square Mesh (Lower Deck)

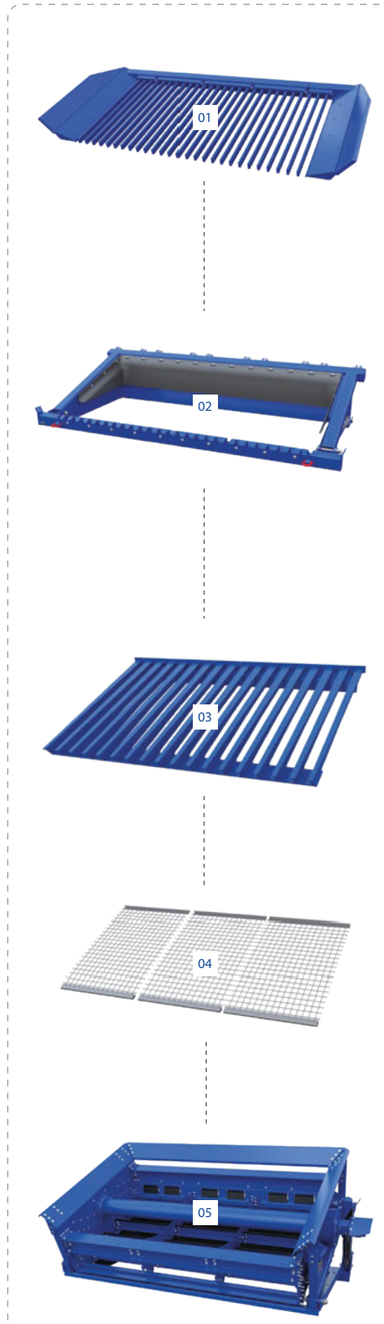
Pre-screens fine and medium fractions before the main screen.

Feeds the plant with a consistent and defined particle size.

Screen Casing (Optional)

The double-deck vibrating prescreen on the feed hopper.

Ensures stable operation and reliable pre-screening performance.

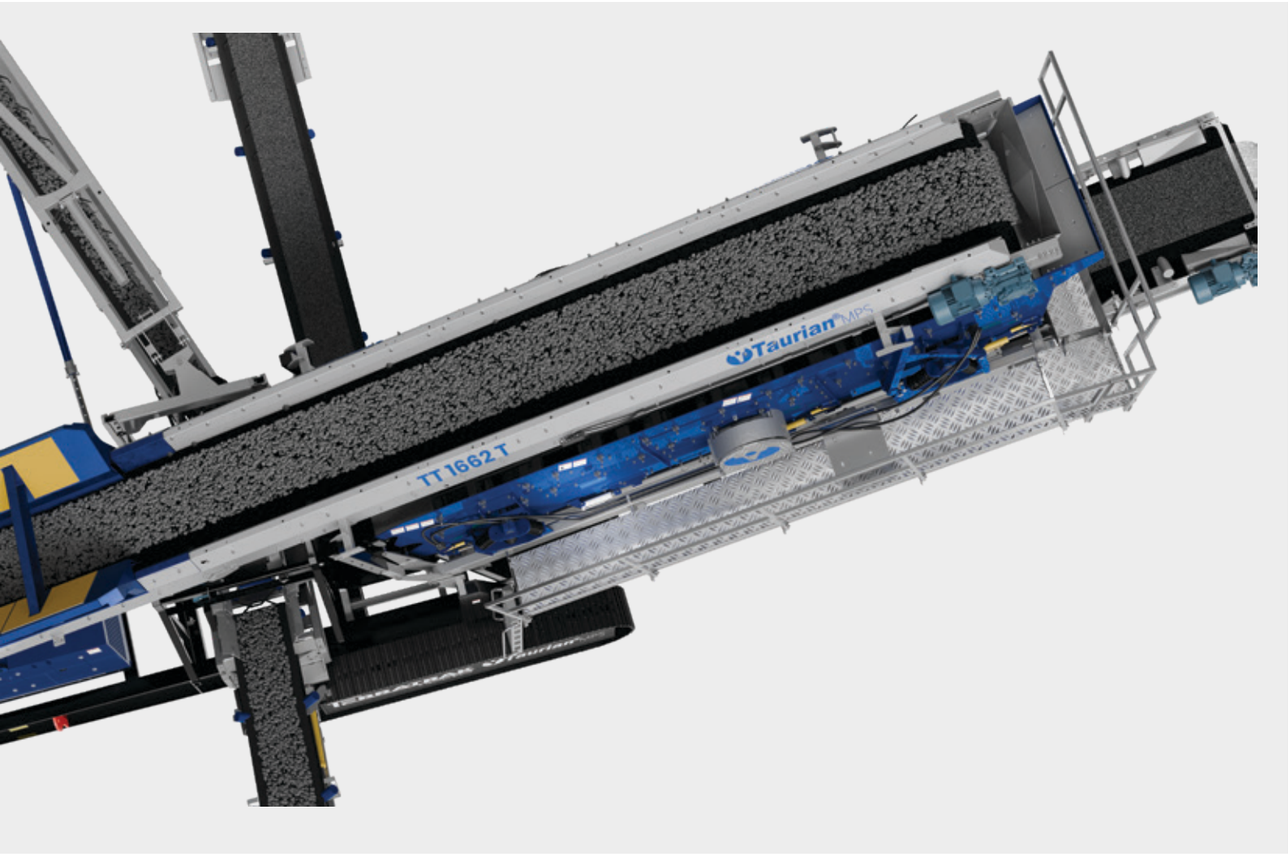


WIDE FEEDING CONVEYOR

Ensures uniform material distribution for consistent processing

Equipped to handle material with uniformity and control, it ensures even distribution across the screening surface. Its feed arrangement promotes consistent spread of material, allowing the screen decks to operate at optimal efficiency.

By maintaining balanced material flow, the screen achieves higher screening accuracy, improved utilisation of the deck area, and dependable throughput. This controlled feeding approach helps stabilise performance, even under fluctuating feed conditions, contributing to smooth and uninterrupted screening operations.



SCREENING TECHNOLOGY

Optimized inclined screening for uniform material classification

High-Performance Screening with Terratrak™

Designed for high-capacity, reliable screening in demanding applications, these screens feature a robust inclined configuration and offer exceptional material stratification, precise separation, and superior throughput. Each unit can be customized with application-specific media, enabling optimal performance across different material types and production requirements.

Double / Triple-deck screening unit

Top screen deck

The uppermost layer, likely used for initial separation of coarse material.

Performs initial screening by separating oversize material while allowing undersize to pass to lower decks.

Middle screen deck

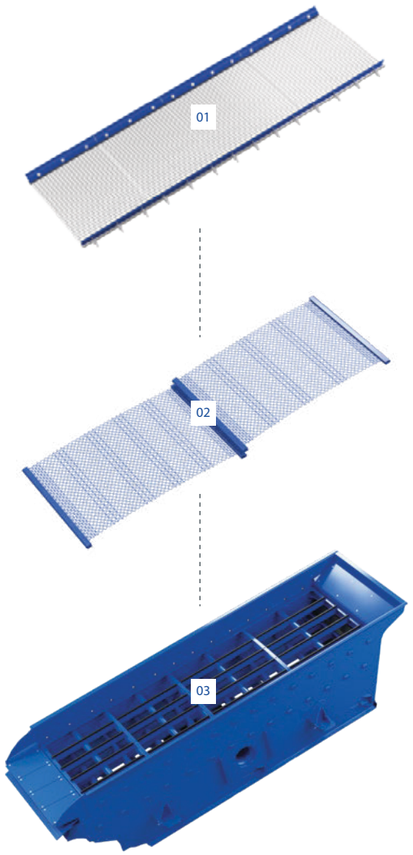
Can be a second or third deck, depending on the configuration, used for finer separation.

Performs secondary screening by separating mid-size material and improving overall product gradation.

Screen frame/body

Heavy-duty structural frame designed to support double or triple screen decks under continuous vibration.

Ensures proper deck alignment, smooth material flow, and long-term durability in high-capacity screening operations.



COMPACT & VERSATILE

Easy Transport & Fast Deployment

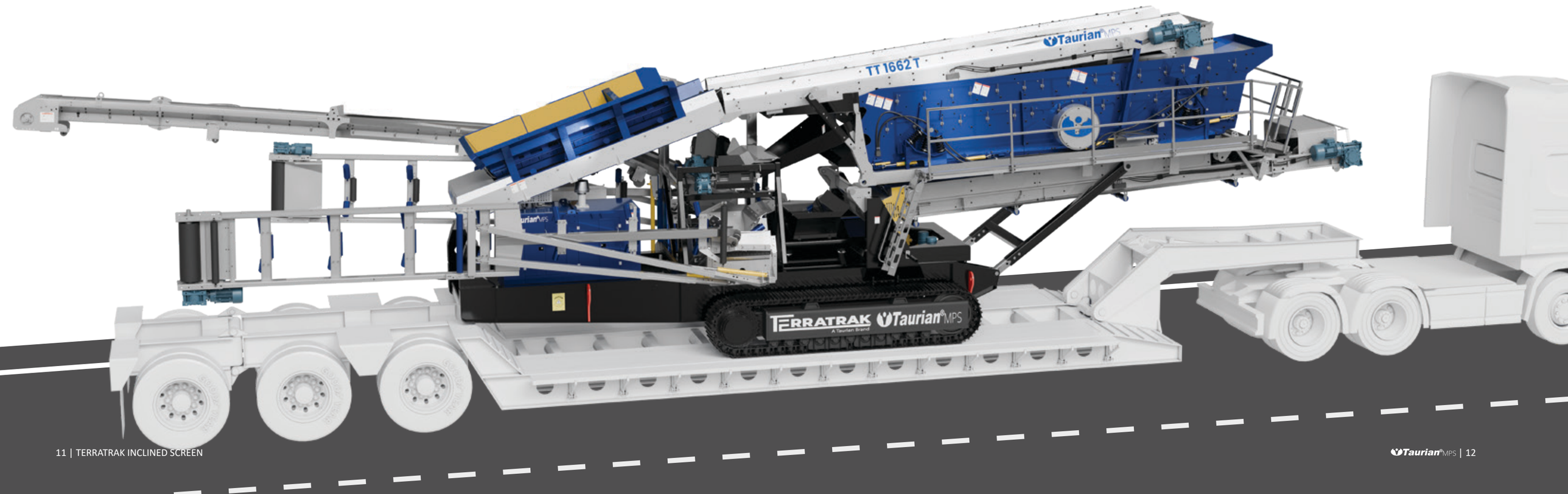
Despite their high screening efficiency, Taurian Terratrak™ inclined screens are engineered in a compact, mobile format for demanding site conditions. Their optimized footprint and robust yet lightweight construction make them easy to transport, enabling quick relocation between job sites without operational disruption.

Designed for fast mobility and rapid commissioning, makes them ideal for projects with frequent movement requirements. The compact chassis design allows smooth transportation across urban sites, quarries, and remote locations, while maintaining high screening accuracy and throughput. This balance of mobility and performance ensures consistent results wherever the plant is deployed.

For global logistics efficiency, select Terratrak™ inclined screen models. These are designed to meet standard shipping limits, allowing easier international transport, lower freight costs, simpler handling, and reduced dependence on special or oversized transport arrangements.

On-site setup is straight-forward and time-efficient. Hydraulic folding conveyors and integrated screen components keep transport dimensions compact and allow quick unfolding once on location. With minimal manual intervention and no complex reassembly, the screen is ready for operation in a short time.

Once positioned, a few simple steps bring the Terratrak inclined screen into full operation—delivering reliable separation, stable material flow, and consistent screening performance, wherever productivity is required.



Technical Specification

Model	TT 1545	TT 1545 T	TT 1662	TT 1662 T
Working *(L × W × H)*	16400 × 17600 × 5200	16400 × 19500 × 5200	18500 × 17900 × 6800	18500 × 19600 × 6800
Transport *(L × W × H)*	15800 × 3400 × 4000	17800 × 3400 × 4000	17800 × 3500 × 4200	19700 × 3500 × 4500
Weight	30000 kg	35000 kg	32000 kg	38000 kg
Screen size	4500 x 1500 mm	4500 x 1500 mm	6200 x 1600 mm	6200 x 1600 mm
No. of decks	2	3	2	3
Capacity	200-300 TPH	200-300 TPH	250-350 TPH	250-350 TPH
Motor	11 kW	15 kW	22 kW	22 kW
Engine	100 kVA	100 kVA	100 kVA	100 kVA
Hopper capacity	6 m³	6 m³	8 m³	8 m³
Belt width	1 m	1 m	1.2 m	1.2 m
Feeder grid box	Optional	Optional	Optional	Optional

Working Dimensions

Transport Dimensions

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