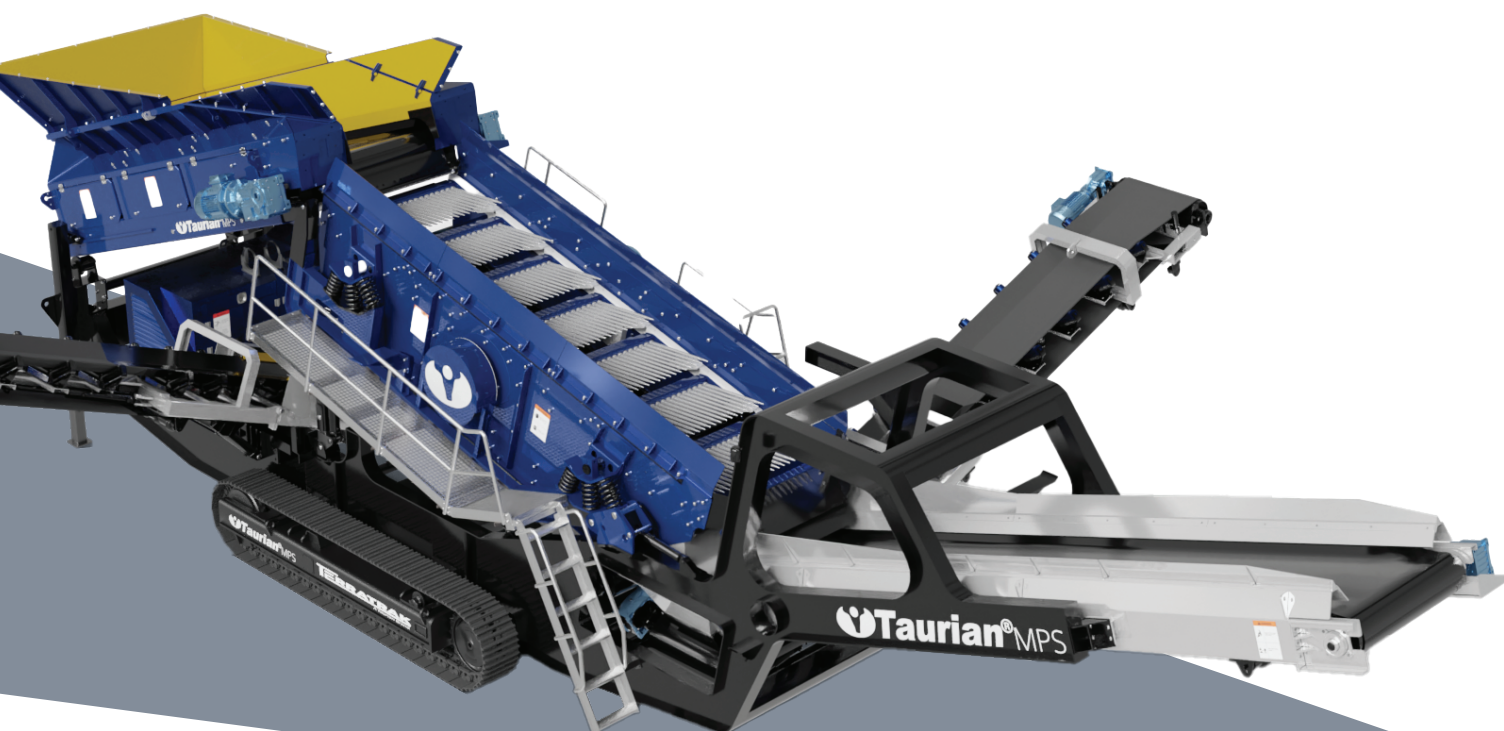


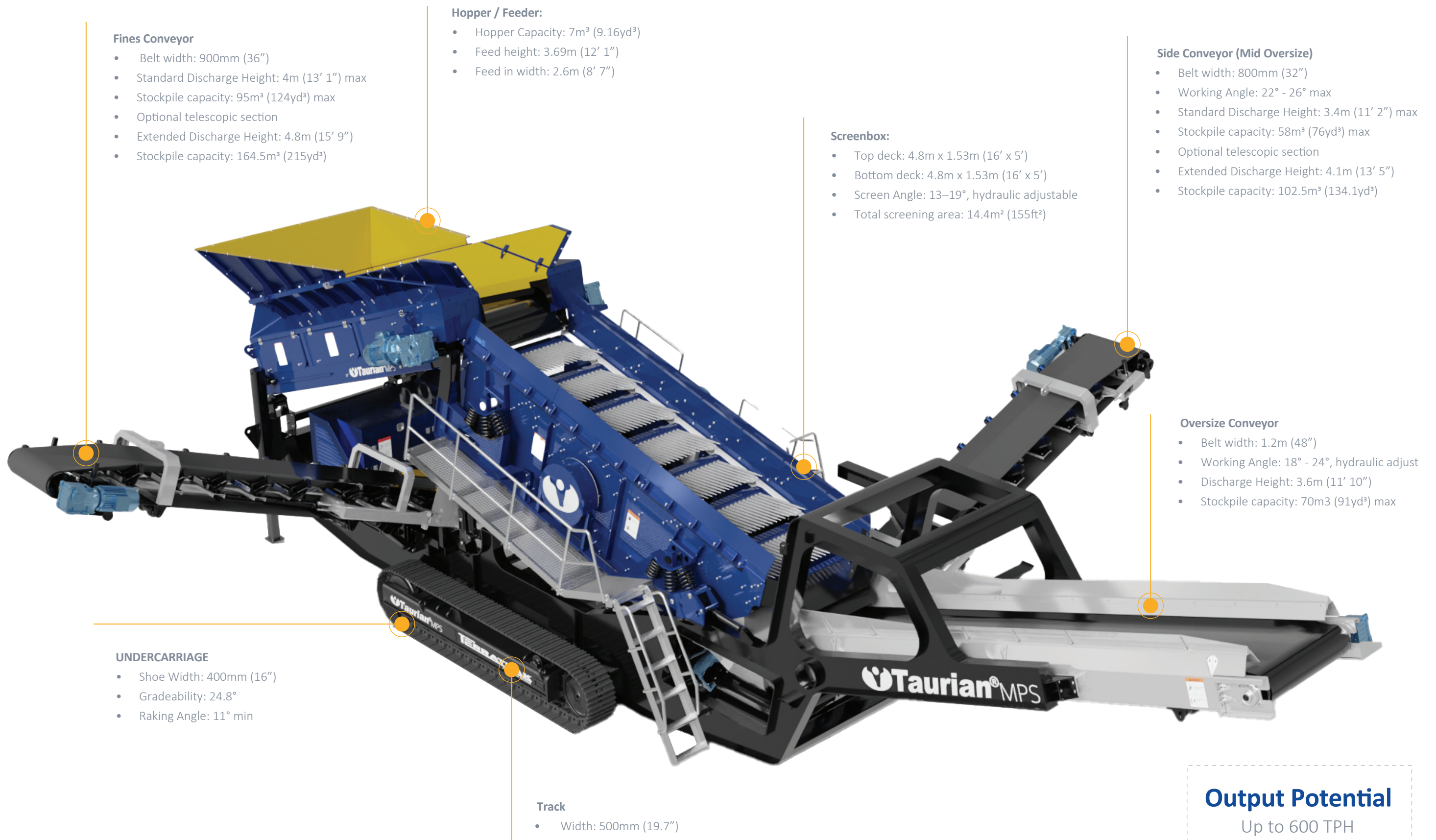
# HYBRID

TRACK-MOUNTED SCALPER SCREEN

**TT 1548 SC**



**FERRATRAK**  
A Taurian Brand



#### Fines Conveyor

- Belt width: 900mm (36")
- Standard Discharge Height: 4m (13' 1") max
- Stockpile capacity: 95m<sup>3</sup> (124yd<sup>3</sup>) max
- Optional telescopic section
- Extended Discharge Height: 4.8m (15' 9")
- Stockpile capacity: 164.5m<sup>3</sup> (215yd<sup>3</sup>)

#### Hopper / Feeder:

- Hopper Capacity: 7m<sup>3</sup> (9.16yd<sup>3</sup>)
- Feed height: 3.69m (12' 1")
- Feed in width: 2.6m (8' 7")

#### Screenbox:

- Top deck: 4.8m x 1.53m (16' x 5')
- Bottom deck: 4.8m x 1.53m (16' x 5')
- Screen Angle: 13–19°, hydraulic adjustable
- Total screening area: 14.4m<sup>2</sup> (155ft<sup>2</sup>)

#### Side Conveyor (Mid Oversize)

- Belt width: 800mm (32")
- Working Angle: 22° - 26° max
- Standard Discharge Height: 3.4m (11' 2") max
- Stockpile capacity: 58m<sup>3</sup> (76yd<sup>3</sup>) max
- Optional telescopic section
- Extended Discharge Height: 4.1m (13' 5")
- Stockpile capacity: 102.5m<sup>3</sup> (134.1yd<sup>3</sup>)

#### Oversize Conveyor

- Belt width: 1.2m (48")
- Working Angle: 18° - 24°, hydraulic adjust
- Discharge Height: 3.6m (11' 10")
- Stockpile capacity: 70m<sup>3</sup> (91yd<sup>3</sup>) max

#### UNDERCARRIAGE

- Shoe Width: 400mm (16")
- Gradeability: 24.8°
- Raking Angle: 11° min

#### Track

- Width: 500mm (19.7")

**Output Potential**

Up to 600 TPH



# The Heavy-duty Scalper



## Hopper

A large-capacity, heavy-duty loading unit designed to handle bulk materials efficiently. It has a 7 m<sup>3</sup> (9.16 yd<sup>3</sup>) capacity and a feed height of approximately 3.69 m (12 ft 1 in), allowing easy loading by excavators or wheel loaders.

The 2.6 m (8 ft 7 in) wide mouth ensures smooth, unrestricted feeding. Constructed from high-strength, abrasion-resistant steel, the hopper withstands constant impact and wear from heavy, abrasive materials.

## Apron Feeder

A heavy-duty, abrasion-resistant steel pan feeder designed for reliable material flow in demanding conditions, measuring 1.0 m × 3.81 m (40" × 12' 6"), it features a dual chain drive and hydraulic variable-speed control for precise feed regulation.

Its robust construction resists wear from abrasive materials, ensuring consistent, high-capacity feeding to the screenbox while minimizing blockages and maximizing overall screening efficiency.

## Screenbox

A heavy-duty two-deck screen designed for high screening efficiency across fine, medium, and coarse materials. The screenbox angle is hydraulically adjustable to optimise material flow and separation. With high processing capacity, it delivers excellent throughput and consistent product quality. Built with reinforced side walls and powerful drives, the screenbox offers durability, dependable performance, and versatility for quarrying, mining, and recycling applications.

2-deck screen size <b>4.8 m × 1.53 m</b>	Imperial size <b>16 ft × 5 ft</b>	Screenbox angle range <b>13–19°</b>	Processing capacity <b>Up to 600 tonnes per hour</b>
---	--------------------------------------	--	---

A 3D perspective rendering of the screenbox component of the heavy-duty scalper machine. It shows a large, blue, rectangular structure with two decks of parallel steel bars. The screenbox is mounted on a heavy-duty frame with tracks at the bottom. The rendering highlights the robust construction and the hydraulic adjustment mechanism for the screenbox angle.

# Optimised Deck Media for Superior Scalping

Taurian Scalper Screens are engineered to handle the toughest feed materials with a modular screening system that enhances efficiency, durability, and operational flexibility. Each deck can be equipped with application-specific media, ensuring optimal performance across varying material characteristics and production demands.

01

**Finger Screens**

Designed for difficult, sticky, or clay-rich material. Enables efficient separation of flaky, irregular, and bulky feed.

02

**Slotted Grates**

Preferred for natural rock with loamy, cohesive, or wet characteristics. Provides consistent sizing and strong resistance to blinding.

03

**Punched Plates**

Robust steel panels built for high-impact, abrasive material. Ideal for primary screening in quarrying, recycling, and heavy-duty applications.

04

**Wire Cloth - Square Mesh**

High-precision mesh for fine and medium screening. Available in multiple wire thicknesses for long life and accurate separation.

05

**Harp Screens**

Flexible screen media for damp, sticky, or fine material prone to clogging. Delivers high throughput with reduced blinding and improved stratification.

06

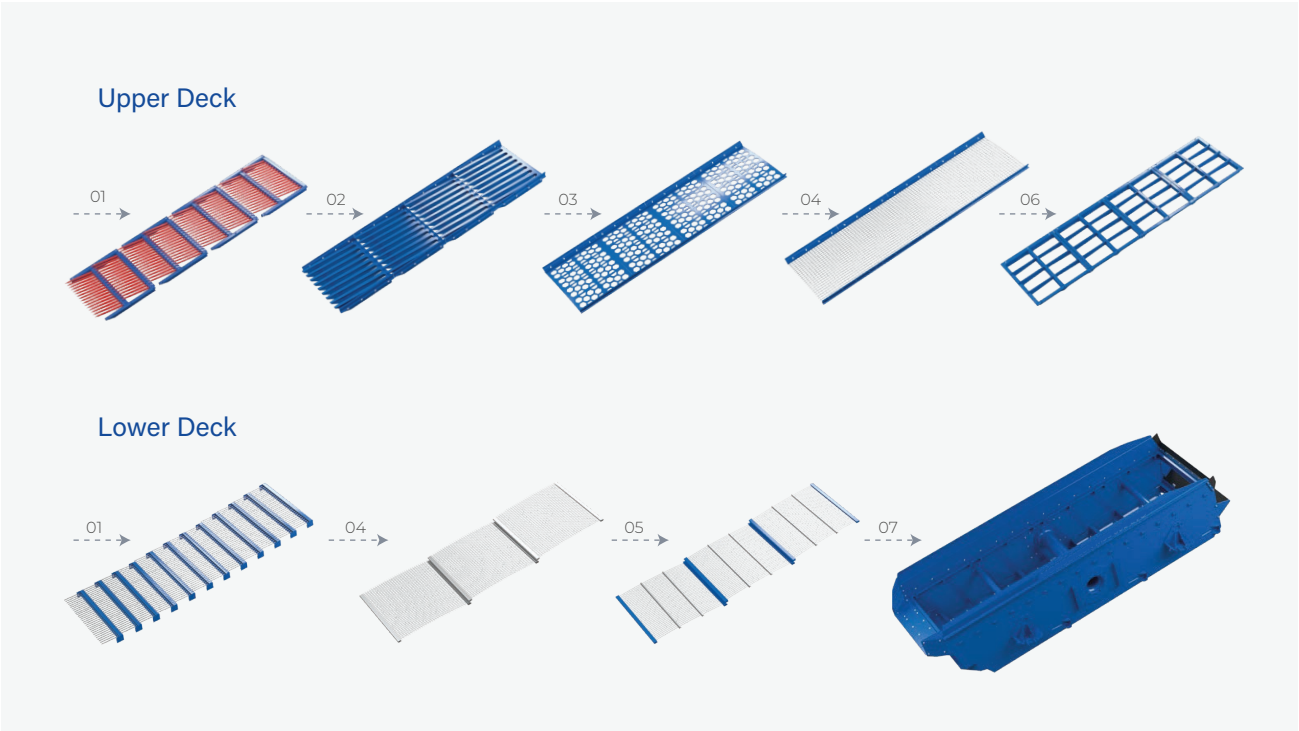
**Intermediary Frame**

Support frame used to mount punched plates, wire cloth, or mixed media. Ensures correct tensioning, rigidity, and smooth material flow across the deck.

07

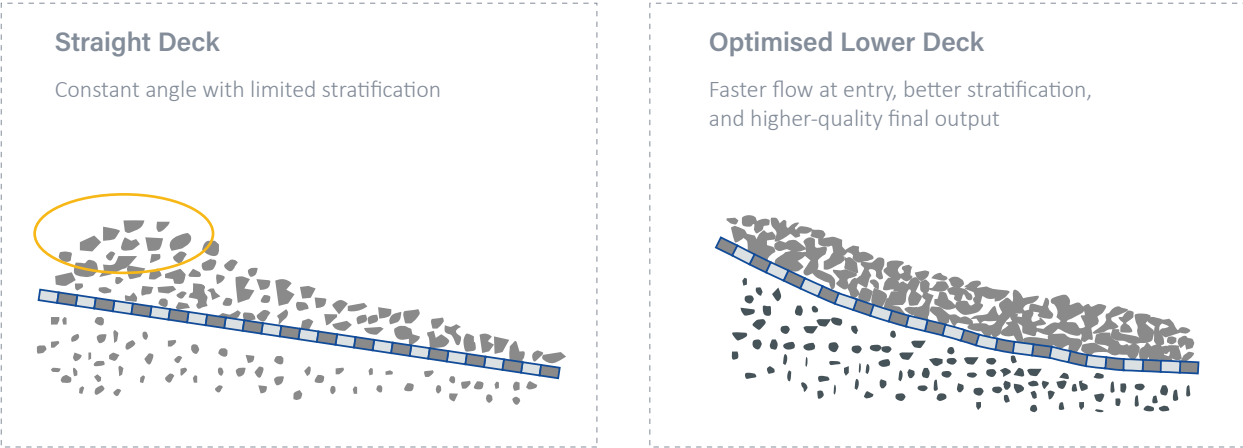
**Screen Casing**

A heavy-duty double-deck screenbox engineered for high vibration forces. Provides structural strength, stability, and long-term reliability for all media types.



## Enhanced Screening with Taurian’s Optimised Lower Deck

Taurian’s lower deck is engineered with a steep angle at the feed end and a flatter angle toward the discharge side. This profile accelerates material flow initially, allowing quicker stratification, and then increases retention time as the material moves forward. The result is cleaner separation, higher accuracy, and improved overall screening performance.





# Optimized Material Flow

For maximum productivity and reduced wear.

TT HS 6203 is engineered for high throughput, reliable performance, and long component life. From the feed hopper to the screen decks and discharge conveyors, every stage of the process is designed to move material smoothly without bottlenecks.

## Flexible discharge options

Taurian MPS plants can be configured with extended discharge conveyors and telescopic side conveyors to increase stockpile height and volume. This reduces loader intervention and lowers operating costs. All discharge conveyors feature adjustable heights, enabling seamless transfer to downstream crushers or stacking equipment.

## Precise control & reduced wear

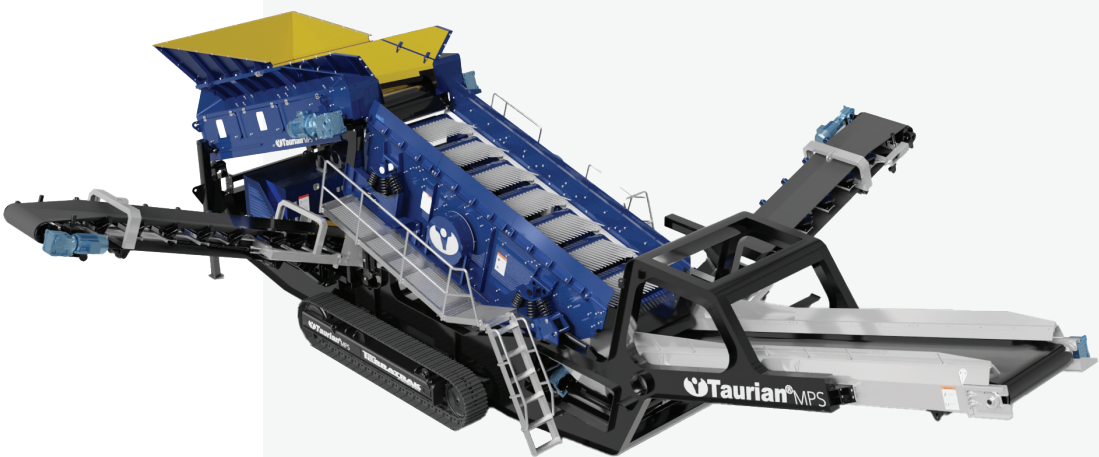
Conveyor belt speeds are fully adjustable, allowing operators to fine-tune material flow for different applications.

Optional magnetic separators and magnetic drums protect downstream crushers and help maintain high product quality.



# Conversion From 3 to 2 Final Grain Sizes

The Taurian Scalper can be reconfigured from a 3-way split to a 2-way split to match operational load, feed characteristics, and screen media limitations. This adjustment enhances both throughput capacity and screening reliability. The conversion is technically recommended when:



- Feed rate exceeds the effective screening capacity of the lower deck.

Under high tonnage conditions, the bottom deck may experience material bed overload, reducing screening efficiency and increasing the risk of carryover. Switching to a 2-fraction configuration allows the machine to handle heavier load volumes without compromising performance.

- Protection of fine screen media is required due to large feed size or high impact loading.

When processing coarse or blocky material, eliminating the lower fine deck prevents premature wear or damage to fine mesh/harp screens. This setup ensures that only appropriately sized material reaches the fine screening stage, maintaining screen media integrity and extending service life.

# COMPACT & VERSATILE

## Easy Transport & Fast Deployment

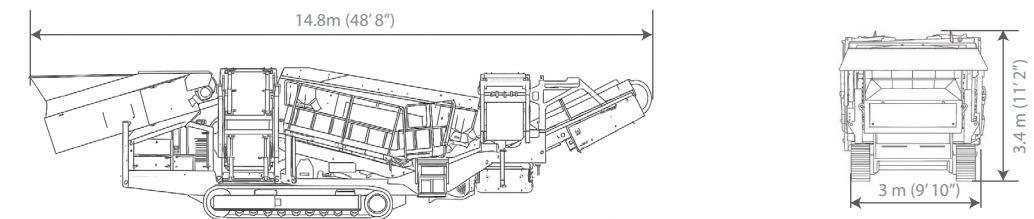
Taurian Scalper has been ideally designed for a wide range of applications in quarrying, mining, and recycling. Its tracked undercarriage allows easy relocation on-site and operation in confined spaces, while the modular design enables quick setup and integration with other plant equipment.

Despite its heavy-duty capabilities, the machine maintains a relatively small footprint, providing flexibility on tight job sites. Its adaptability allows operators to process various materials—from rock and sand to construction waste—efficiently, making the TT 1548 SC a highly practical and flexible solution for diverse screening and scalping requirements.

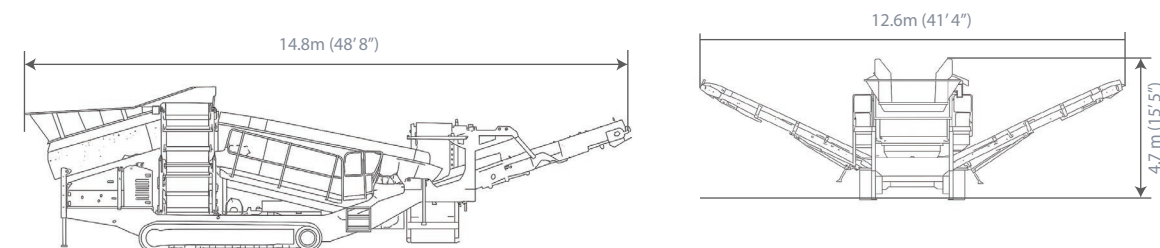
### Technical Specifications

Model	TT 1548 SC
Working <small>(L × W × H)</small>	14800 x 12600 x 4700
Transport <small>(L × W × H)</small>	14800 x 3000 x 3400
Weight	31,000 kg
Hopper capacity	7 m³
Screen size	4800 x 1530 mm
No. of decks	2
Screen angle	13–19°
Engine	Cummins/Scania 125 kVA

### Transport Dimensions



### Working Dimensions



**125 kVA**  
Engine Power

**31,000 kg**  
**(68,340 lbs)**  
Weight

**4.8 x 1.53 m**  
**(16' x 5')**  
Screen Dimensions

Taurian MPS reserves the right to make changes in specifications and other information contained in this publication without prior notice and the reader/customer should in all cases consult Taurian MPS to determine whether any such changes have been made. This publication may / may not be reproduced and is intended for the exclusive use of Taurian MPS customer. Please note all technical specifications are indicative and may vary based on material, design modifications, or location-specific requirements.

No statement contained in this publication, including statements regarding capacity, suitability, or performance of products, shall be considered a warranty by Taurian MPS for any purpose or give rise to any liability of Taurian MPS.

Taurian MPS©2025. All rights reserved.



## PARTNERS

### GLOBAL TECHNICAL RESOURCES LLP

4922 PROEZO, OFFICE 4/54  
ST PETERSBURG  
RUSSIA

CONTACT :

### ROCK EQUIPMENT

AVE. MILITAR  
4560 ISABELA,  
PUERTO RICO 00662

CONTACT :

### PLUS NATURAL RESOURCES

25TH OF APRIL STREET,  
59, 2°A,  
LAGOA,  
PORTUGAL

CONTACT :

### LA TREVE GROUP

31, AV. LUAPULA  
Q/ JOLI SITE AEROPORTO  
C/ MANIKA | KOLWEZI | LUALABA  
DEMOCRATIC REPUBLIC OF CONGO

CONTACT :

### K NEUMAYER CIVIL CONTRACTORS

UNIT 9 COASTAL COURTYARD  
34 PHILLIP STREET  
SWAKOPMUND  
NAMIBIA 9000

CONTACT :

### AL-KHOBARA MINING COMPANY

7081, ASH SHAIKH ABDULLAH  
AL ANQARI  
SALAHUDDIN DISTRICT 12434,  
RIYADH, KSA

CONTACT :

### PRAGJYOTISH EARTHMOVERS

H/No. 22, NAMGHAR PATH,  
OPP. CENTRAL DAIRY  
KHANAPARA, GUWAHATI - 781022  
KAMRUP, ASSAM

CONTACT :

### TAURIAN USA BRAD HARRIS

10217  
RIVER PLANTATION DR B  
AUSTIN  
TEXAS 78747

CONTACT :

### DELTA BUILDERS PVT LTD

NAKHU CORRIDOR  
LALITPUR, NEPAL  
POSTAL CODE 44600

CONTACT :



### TAURIAN MPS HEADQUARTERS

201-C, POONAM CHAMBERS A WING,  
DR. ANNIE BESANT ROAD, WORLI,  
MUMBAI 400 018  
MAHARASHTRA

CONTACT : +91 22 4967 0682

### TAURIAN MPS FACTORY

KHASRA NO. 260/267,  
LAKESHWARI BHAGWANPUR,  
HARIDWAR 247661  
UTTARAKHAND, INDIA

CONTACT : +91 91367 94515

