



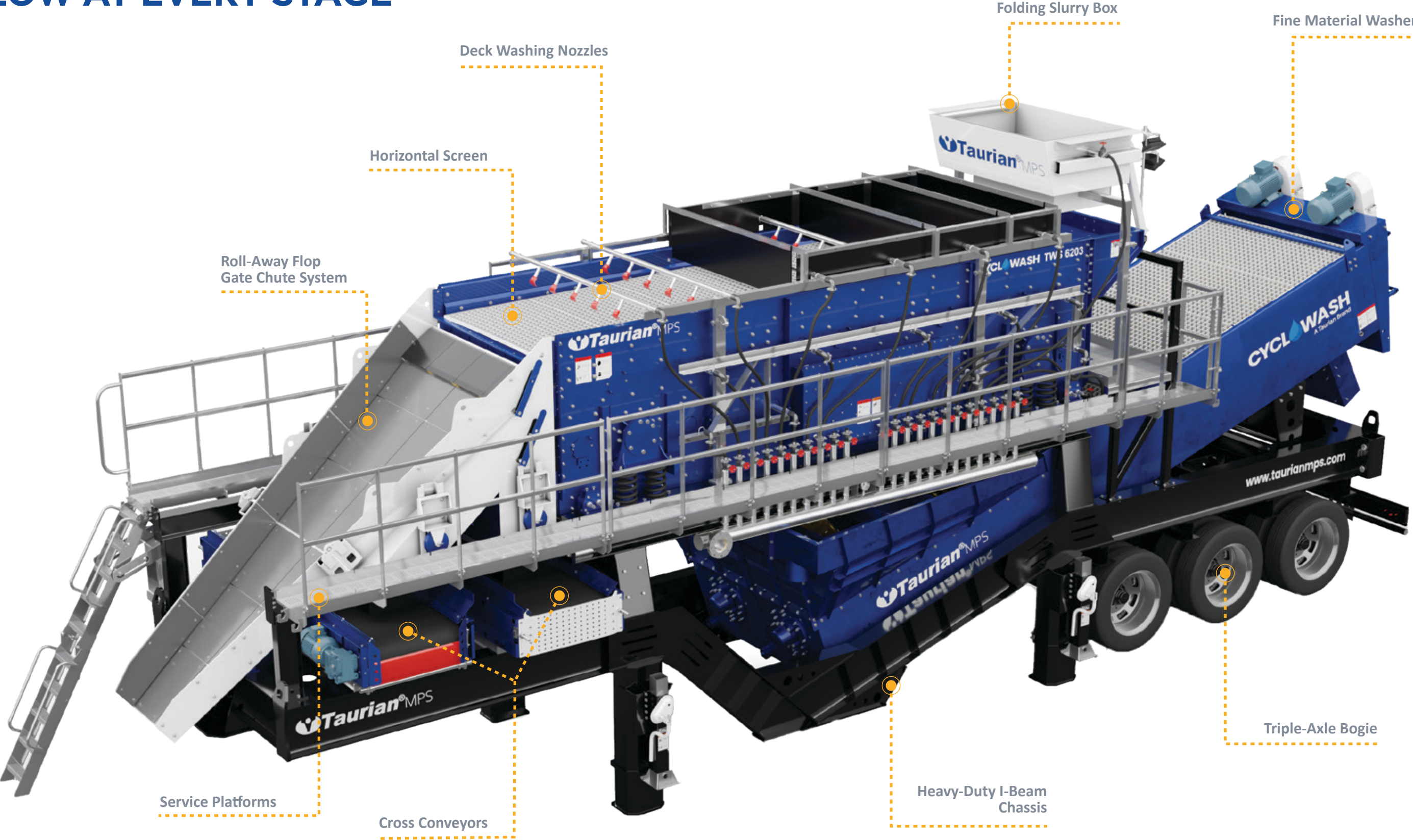
CYCLOSCREEN

TWS 6203



CYCL**WASH**
A Taurian Brand

READY FOR HEAVY-DUTY FEEDING
BUILT FOR CONTROLLED MATERIAL
FLOW AT EVERY STAGE



TAURIAN CYCLOSCREEN

FEATURES

Material flow

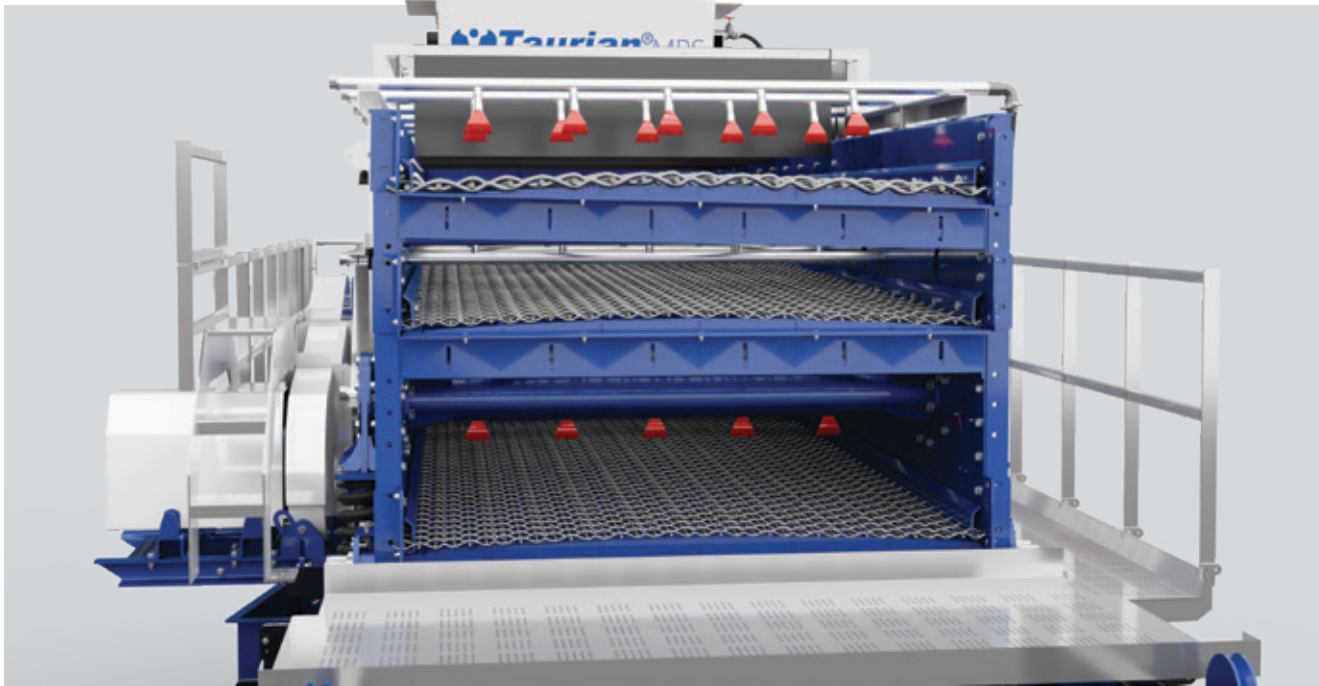
- 1. **Feed chute** 
Enclosed side plates spread the feed evenly across the top deck.
- 2. **Triple-deck wash screen** 
Spray bars break clay and wash fines through three decks.
- 3. **Cyclone classification** 
Ultrafines cut at set pressure; water returns to the circuit.
- 4. **Dewatering screen** 
Moisture dropped before the sand is discharged.
- 5. **Stockpiling** 
Reversible cross conveyors discharge to either side.

The Taurian Cycloscreen combines wet screening, material washing, fine recovery, and multiple product separation in one mobile processing system. The feed box distributes material evenly across the multi-deck screen, while washing nozzles remove clay, dust, silt, and unwanted fines. Classified material is discharged through dedicated chutes and reversible cross conveyors for organised stockpiling. Its integrated fine-material washing arrangement supports better recovery of usable sand from slurry. A wheeled chassis, stabilising jacks, service platforms, accessible chutes, and a maintenance-friendly layout make the Cycloscreen suitable for quarry, aggregate, manufactured sand, recycling, and mobile washing applications.



SMART WET PROCESSING

BUILT AROUND THE PROCESS



The Taurian CycloScreen combines wet screening, material washing, fine-material recovery, and classified product discharge within one mobile processing system. Feed material enters through a controlled distribution box and is spread uniformly across the multi-deck screen. Spray bars positioned over the screening decks provide continuous rinsing to loosen and remove adhering clay, dust, silt, and excess fines. The screen then separates the washed material into multiple controlled size fractions for individual discharge. Water and fine slurry passing through the decks are collected and directed toward the integrated fine-material recovery section, helping retain usable sand while managing unwanted ultrafines. Reversible cross conveyors provide flexible stockpile positioning and improve site-layout efficiency. The system also includes accessible service platforms, maintenance-friendly chutes, stabilising jacks, and a transportable wheeled chassis. This coordinated arrangement supports controlled material flow, efficient washing, accurate classification, easier inspection, and reliable operation in quarry, aggregate, manufactured sand, recycling, and mineral-processing applications.

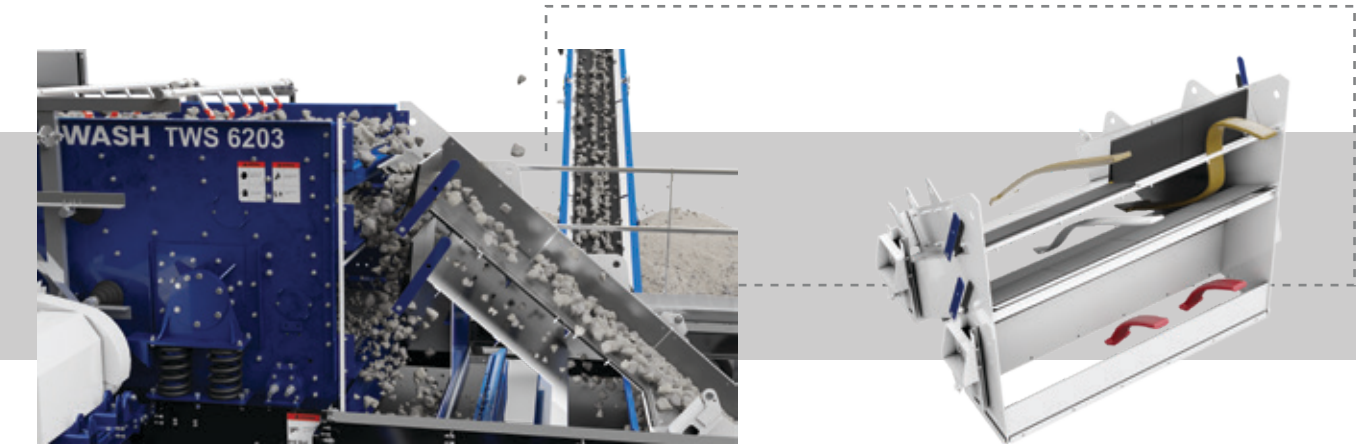
Key Features

- Multi-Deck Wet Screening
- Integrated Fine-Material Recovery
- Deck-Mounted Washing Spray Bars
- Controlled Feed Distribution
- Reversible Cross Conveyors
- Separate Product Discharge Points
- Slurry Collection and Management
- Easy-Access Service Platforms
- Mobile Chassis with Stabilising Jacks
- Maintenance-Friendly Component Layout

WHY TAURIANMPS

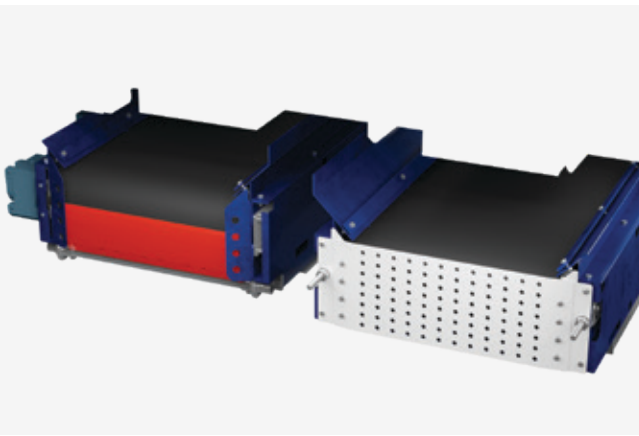
CYCLOSCREEN?

Controlled Product Discharge



The CycloScreen discharge arrangement directs material from the upper and intermediate screen decks through separate flow paths. Adjustable blending gates allow selected aggregate fractions to be combined when a blended product is required or kept separate for individual stockpiling. The sloped chute geometry maintains steady material movement, limits accumulation, and reduces cross-contamination between products. Its accessible configuration supports quick gate adjustments, chute inspection, cleaning, and routine maintenance.

Product Discharge Conveyor



The discharge conveyor on Taurian CycloScreen ensures smooth and controlled transfer of separated material from the screening unit to the next processing stage, stockpile or loading point. Its heavy-duty belt construction supports continuous material handling under demanding operating conditions, while the optimised conveyor arrangement helps maintain a consistent discharge rate. Proper belt guidance and effective material containment minimise spillage, carryback and unnecessary material loss, contributing to cleaner operation and reduced maintenance requirements.

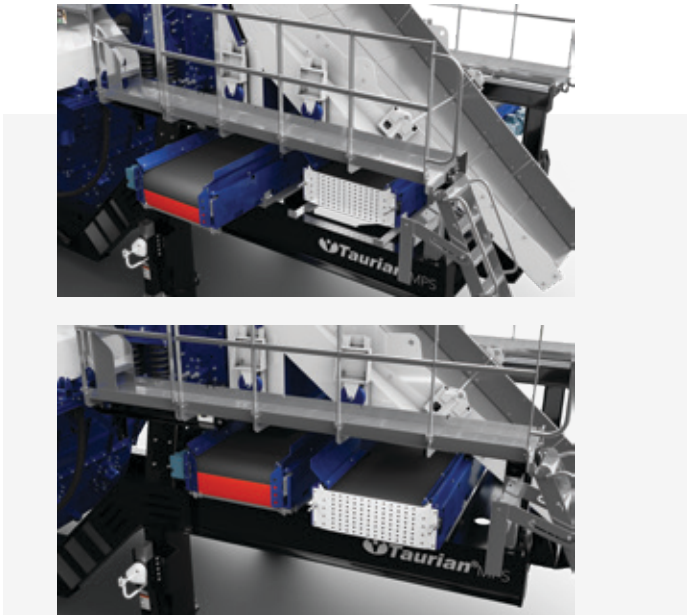
The conveyor also supports efficient plant integration by allowing screened products to move reliably through the complete processing circuit.

Removable Chute for Easier Maintenance



The removable chute is engineered to improve service access around the washing plant. During operation, it remains securely positioned to direct material efficiently through the discharge section. For maintenance, the chute can be completely removed, creating a clear working zone around the conveyor and surrounding components. This allows easier inspection of wear parts, faster cleaning of material build-up, improved access for adjustments or replacement work, and reduces the need to work around obstructing structures. The result is a more practical maintenance layout that helps shorten service time and simplifies routine upkeep.

Cross Conveyor Drive Pulley



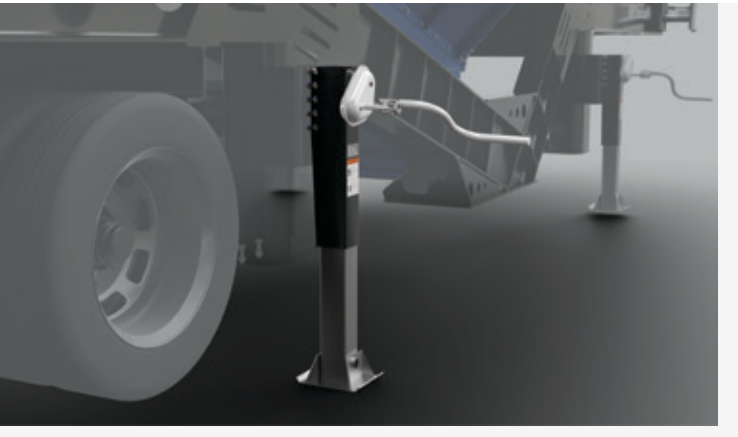
The Taurian Cycloscreen cross conveyor uses a heavy-duty drive pulley to transfer rotational power from the drive system to the conveyor belt. Installed at the discharge end, the pulley generates the traction required to move screened material at a controlled and consistent rate. Proper pulley geometry and belt contact help maintain stable belt speed, reduce slippage and support uniform material discharge across continuous screening cycles.

The pulley assembly is mounted within a rigid conveyor structure to maintain alignment under varying material loads. Its accessible arrangement simplifies belt tracking adjustments, inspection and routine maintenance, while the robust construction supports operation in abrasive and high-duty environments. By promoting smooth belt movement and limiting uneven wear, the drive pulley contributes to longer belt life, reduced downtime and dependable cross-conveyor performance.

Hydraulic Stabilising Leg

The Taurian Cycloscreen is equipped with hydraulic stabilising legs to support the machine during setup and operation. The adjustable leg extends to establish firm ground contact, helping level the unit and distribute operating loads through the supporting frame. This improves machine stability and reduces unwanted movement during screening and material discharge.

The stabilising arrangement also simplifies site preparation by allowing controlled height adjustment on uneven ground. Its robust telescopic construction supports demanding mobile applications, while the accessible operating mechanism enables quicker deployment and retraction during installation or transport preparation.



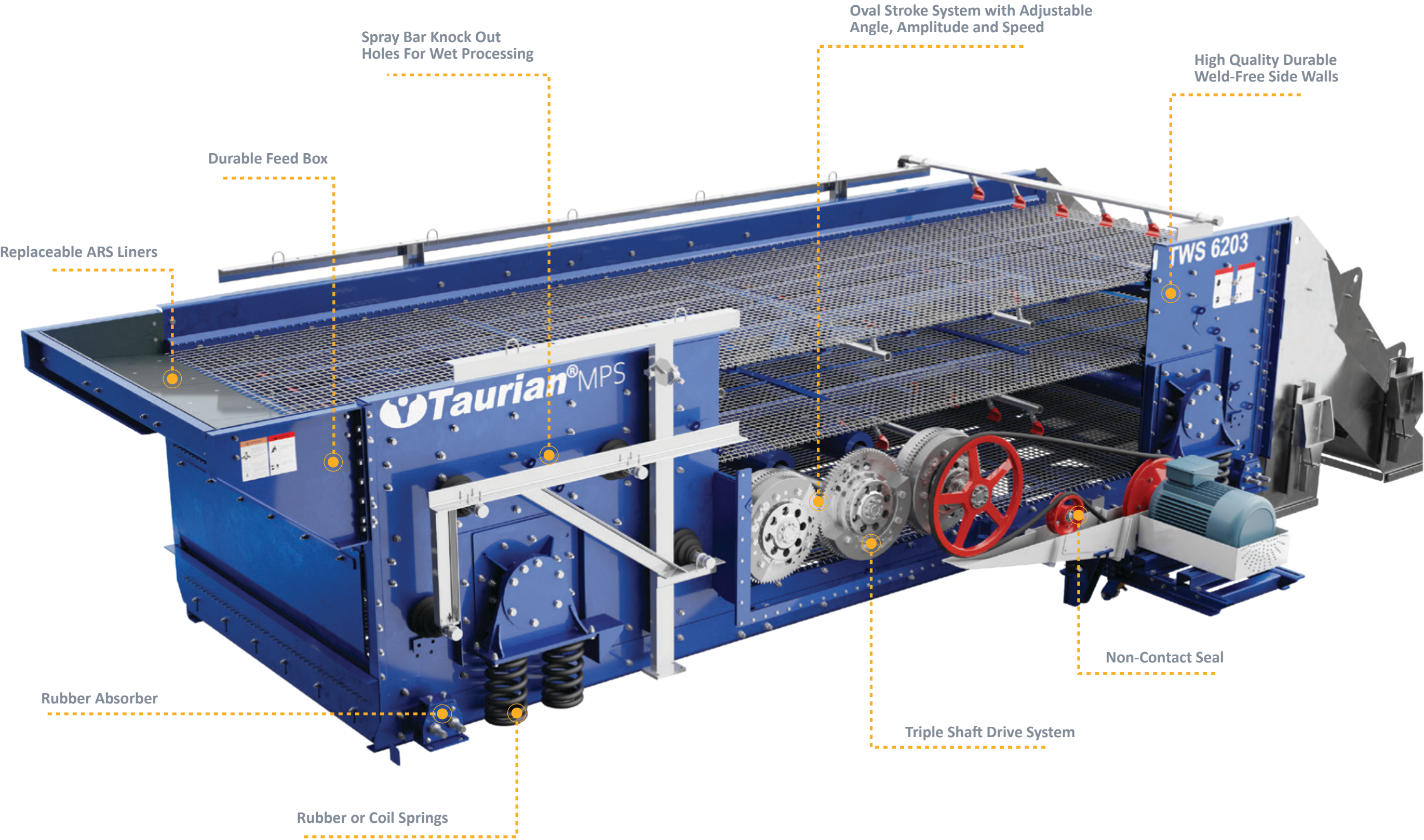
Integrated Mobile Chassis and Stabilisation System

The Taurian Cycloscreen is mounted on a reinforced mobile chassis that integrates the screening, washing, conveying and discharge assemblies into a single transportable structure. The chassis is designed to withstand static machine weight, dynamic screening forces and changing material loads during continuous operation. Strategic cross-members and equipment mounting points maintain structural rigidity, helping preserve alignment between the screen, chutes and conveyors. Balanced load distribution across the chassis also supports stable towing behaviour and reduces excessive stress on individual structural sections during relocation.

Hydraulic stabilising legs provide firm support when the machine is positioned for operation. Each leg can be extended independently to compensate for minor ground-level variations, allowing the unit to be levelled before material feeding begins. Proper levelling improves material distribution across the screen width, supports consistent washing performance and reduces unwanted chassis movement. Integrated maintenance walkways, handrails and access points provide safer entry to inspection and service areas. The compact arrangement also accommodates water lines, electrical connections and conveyor components without restricting maintenance access. By combining transport mobility, operational stability and equipment accessibility, the Taurian Cycloscreen chassis system reduces installation requirements, shortens site preparation time and supports efficient movement between different processing locations.

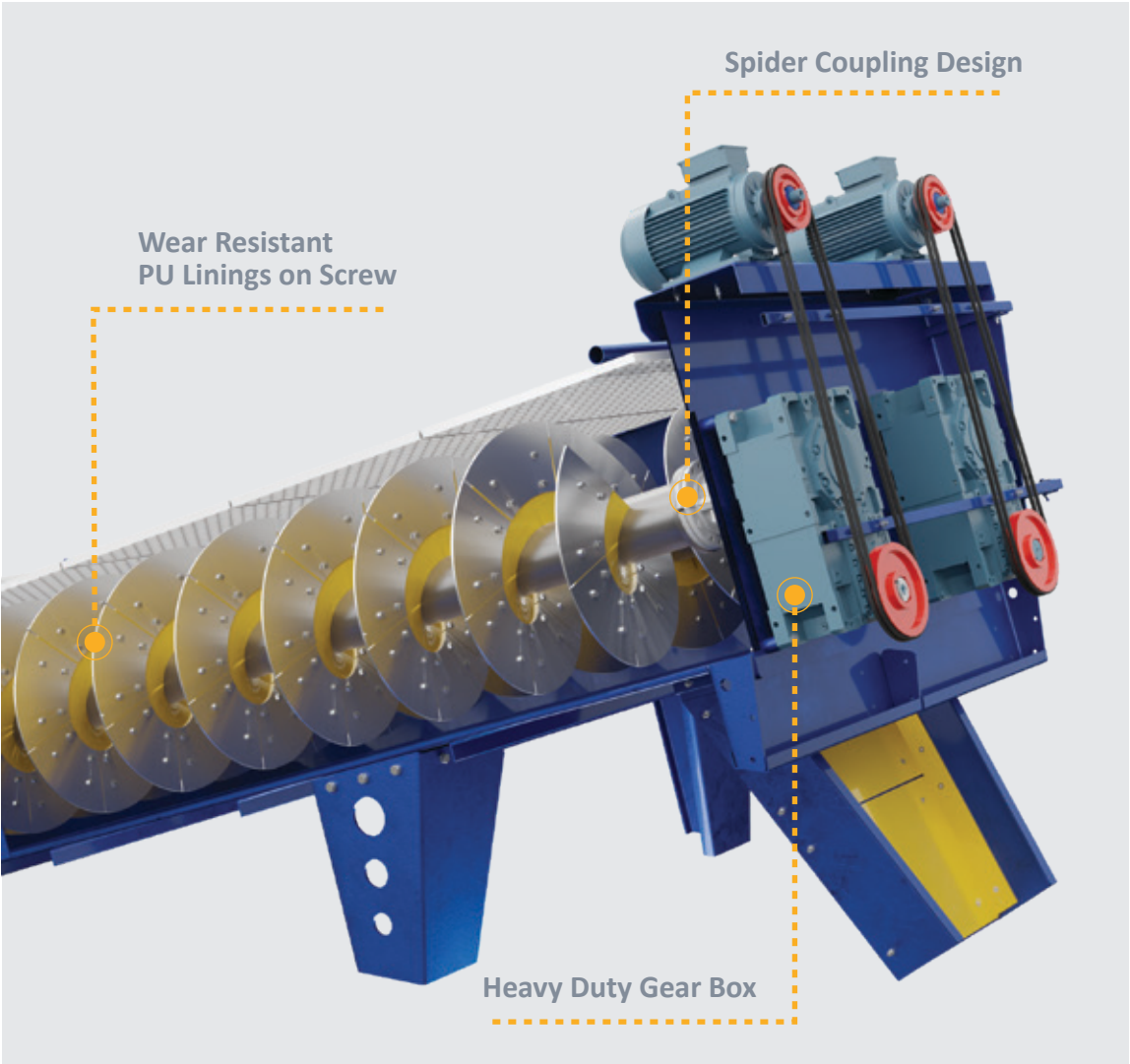
SCREENING SYSTEM HIGHLIGHTS

ADVANCED SCREENING FEATURES



KEY OPERATIONAL FEATURES

FINE MATERIAL WASHING SYSTEM



TECHNICAL SPECIFICATION

Model (Cycloscreen)	TWS 6203
Working <i>(L × W)</i>	14599 × 3937 mm
Transport <i>(L × W × H)</i>	14171 × 3561 × 4375 mm
Weight	37976 kg

Model (Washer)	TLW 3630
Screw Diameter	945 mm
Tube Length	9175 mm
*Capacity	50-125
Material	75 mm
Power	2 × 55 kW
Screw	32 rpm
Weight	26074 kg
Water	114 m³/h

Model (Screen)	HS 6203
Width	1930 mm
Length	6069 mm
Decks	3D
Motor Power	30 kW
Water Consumption	150 m³/h

Model	Cross Conveyor
Belt Width	800 mm
Length	2850 mm
Motor Power	5.5 kW
Vibrator Power	1.6 m/s², 50 Hz



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