

# WHEELER

A Taurian Brand



## Hyperscreen WHS 5518





## 20 Years of Experience

Start to Success, Together

With over 20 years of expertise, Taurian™ has established itself as a leading Indian manufacturer of crushing and screening equipment for aggregates, mining, and mineral processing. The name Taurian™ stands for excellence and reliability globally.

Founded by industry experts, Taurian™ has evolved from a family business to India's only public limited company in its field. Focused on long-term value and quick ROI, Taurian™ has strategic partners with top U.S. and European firms to deliver superior products that meet global industry standards.

Whether you're an experienced veteran or new to the industry, Taurian™ offers extensive support to the global aggregate market through its leading brands, including Taurian MPS™, Terratrak™, Cyclowash™ and Stackmax™.



#### Feeder

10" formed channel  
12' x 42" belt feeder  
Live vibrating grid with hydraulic angle adjustment  
12" self-cleaning wing pulley  
Belt: EP315/3 , cover : 5mm, 2mm

#### Hopper

6.5' x 11.5' top opening  
Hydraulically adjustable sloped grizzly with 6" openings

#### Chassis

16" I-beam with king pin type hitch  
Hydraulic landing gear for leveling of plant  
Tandem axle assembly with eight (8) tires and mud flaps.  
Leaf spring suspension, air brakes, rear taillights

#### Power System

100 kVA Tier IV John Deere water cooled diesel engine  
12 volt battery  
mounted hydraulic pumps to operate all plant functions  
and two (2) off-plant hydraulically driven conveyors  
NEMA-4 rated instrument panel  
Emergency stops

#### Options

Bulkhead assisting ramping for loader feed to feed hopper  
Remote control grizzly  
Wings for funnelling feed material onto feed hopper  
Vinyl dust cover

Consult factory for additional options

### Plant Capacity

350 TPH

*(tonnage varies with conditions)*

#### Fines Conveyor

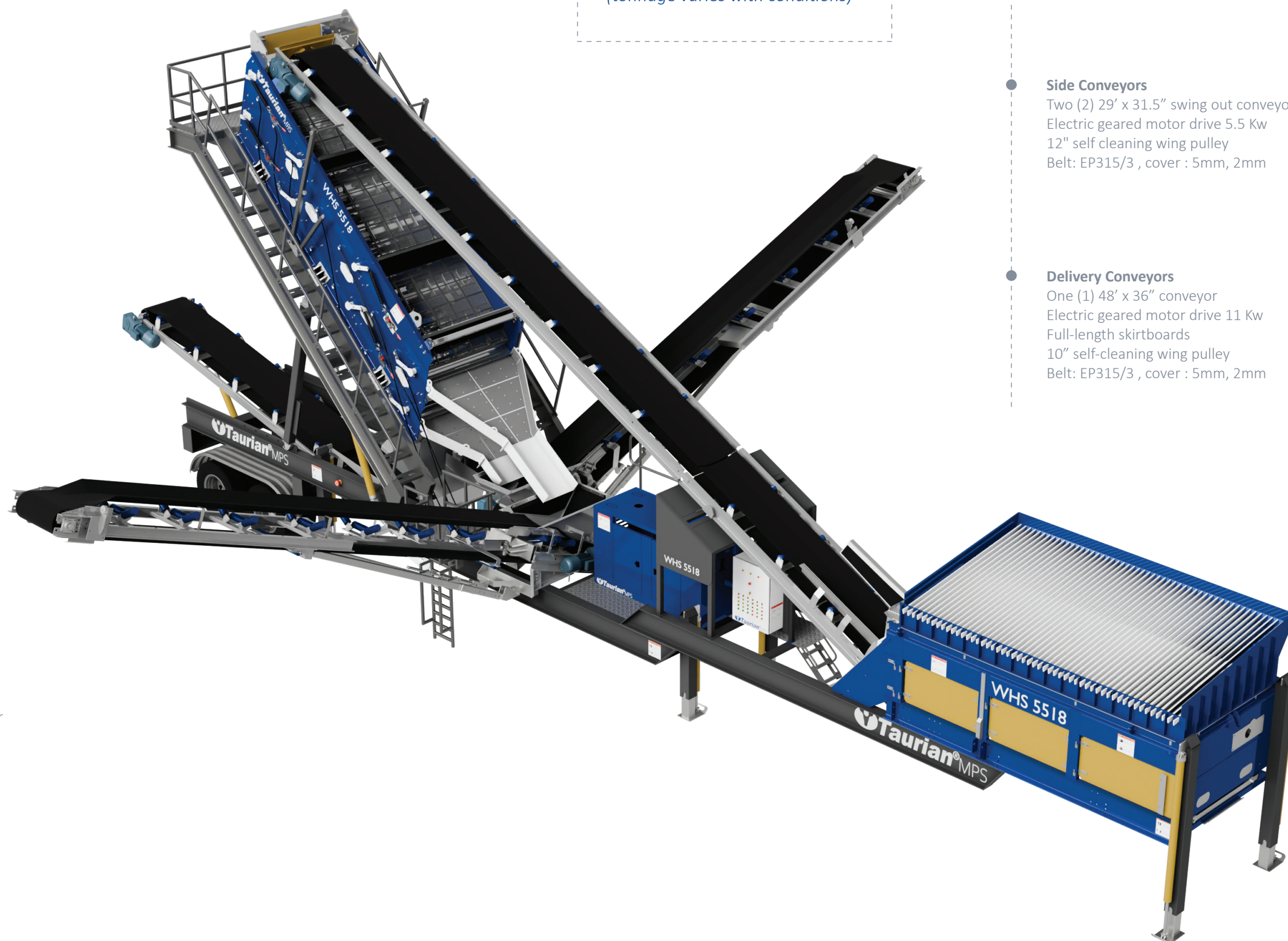
One (1) 24' x 31.5" conveyor  
Electric geared motor drive 5.5 Kw  
Operates at: 9'3" discharge height  
12" self-cleaning wing pulley  
Belt: EP315/3 , cover : 5mm, 2mm

#### Side Conveyors

Two (2) 29' x 31.5" swing out conveyors  
Electric geared motor drive 5.5 Kw  
12" self cleaning wing pulley  
Belt: EP315/3 , cover : 5mm, 2mm

#### Delivery Conveyors

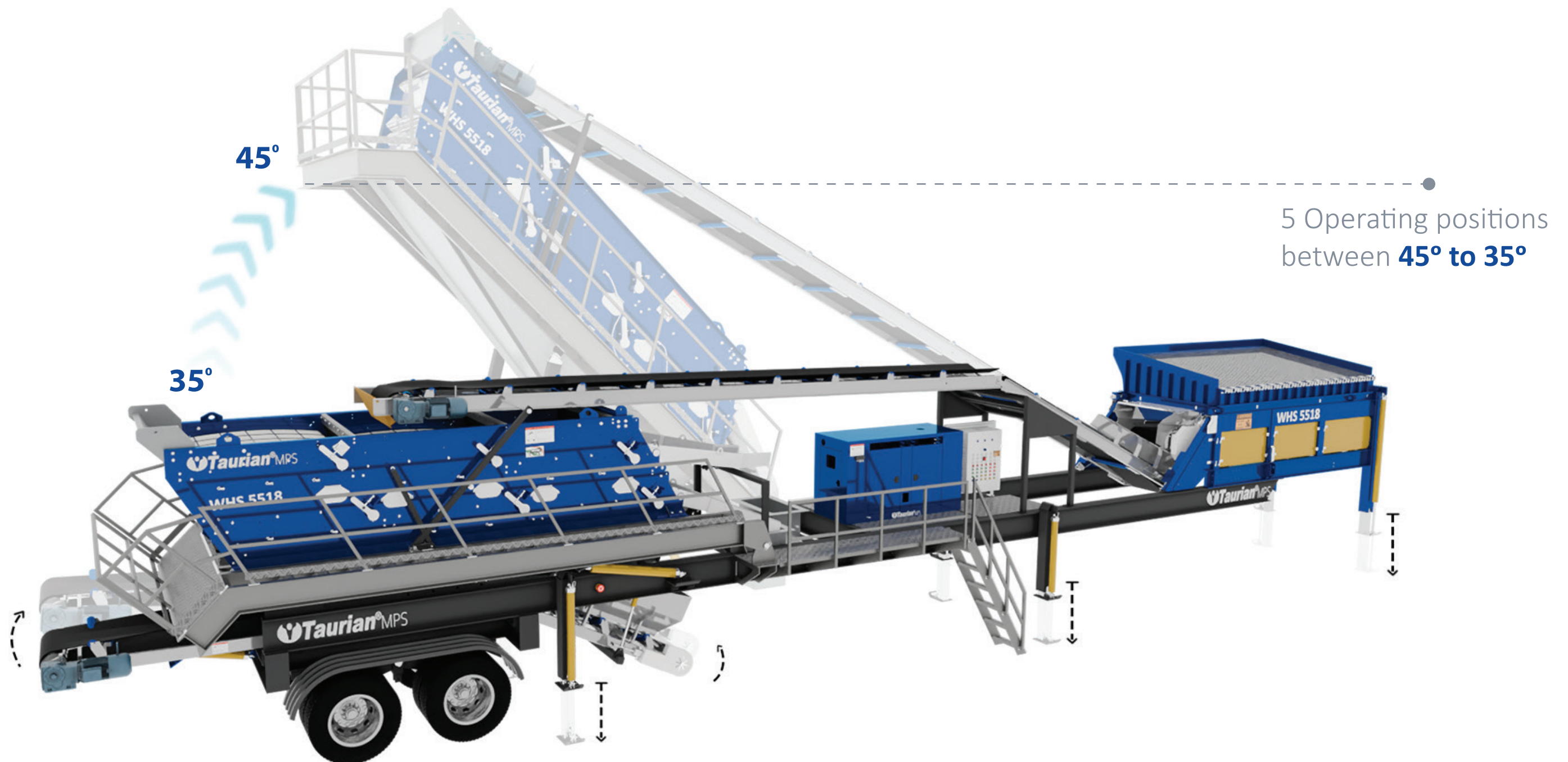
One (1) 48' x 36" conveyor  
Electric geared motor drive 11 Kw  
Full-length skirtboards  
10" self-cleaning wing pulley  
Belt: EP315/3 , cover : 5mm, 2mm



# Adjustable Screening Angles

Wheeled Hyperscreen is a mobile screening unit engineered for precision separation of fine particles. Operating at 3600–4200 RPM, its high-frequency vibrations increase stratification and reduce blinding, significantly improving screening efficiency for materials like manufactured sand, fines, and minerals.

Mounted on a rugged wheeled chassis, it features quick hydraulic setup, onboard power options, and adjustable screen angles (typically 30°–45°). Ideal for tertiary and quaternary applications, it offers high throughput in a compact, easily transportable design.





# Superior Screening Redefined

## Customizable Vibration Speed for Material-Specific Screening



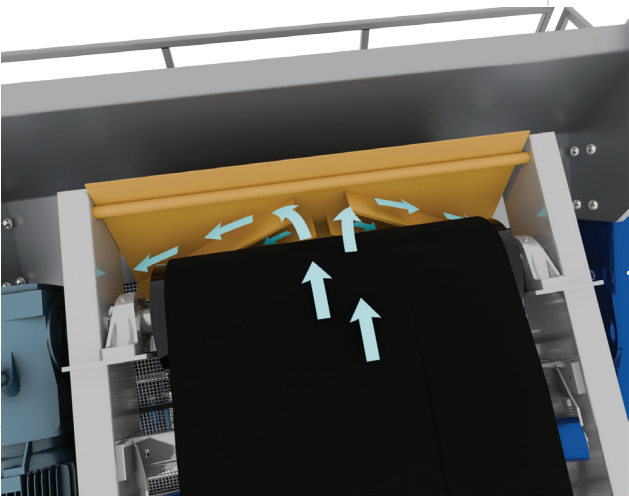
3600 RPM  
Optionally extendable  
upto **4200 RPM**

This operates at a standard 3600 RPM, delivering consistent high-frequency motion ideal for fine material separation. For applications demanding higher stratification and sharper cuts, optional 4200 RPM motors are available. The increased frequency enhances acceleration, reduces blinding, and improves screening efficiency—especially for ultra-fine materials.

This flexibility allows operators to optimize performance based on material characteristics and application requirements.

## Auto-Aligning Feed Distributor

This high-frequency screen features an auto-aligning feed distributor that ensures uniform material flow across the deck. It self-adjusts to changing feed conditions, improving screening efficiency and accuracy. By reducing uneven loading and wear, it extends component life and minimizes downtime, ensuring consistent, high-performance screening in every application.



## Heavy-Duty Wheels for Reliable On-Site Mobility

The heavy-duty twin-axle wheels, engineered for off-road mobility and long-term durability. Designed to handle dynamic loads of up to 20 tons, the wheels are mounted on high-strength suspension with industrial-grade tires rated for rugged terrain. These components enable quick transport, stable setup, and repositioning without the need for cranes—making the unit ideal for high-production sites requiring frequent relocations and minimal downtime.

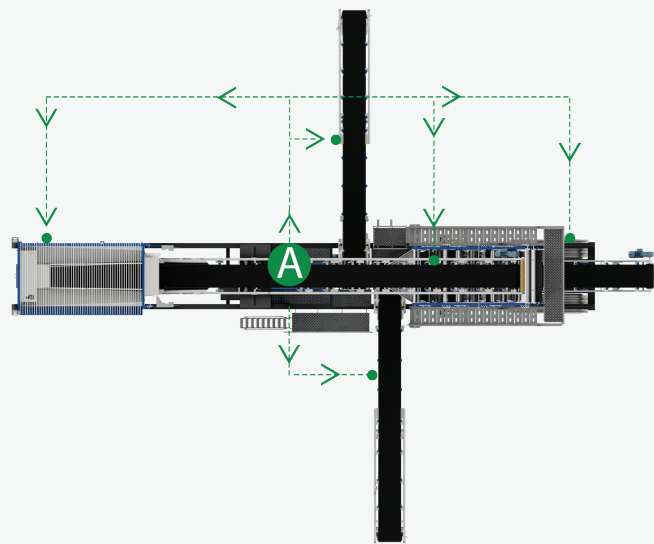
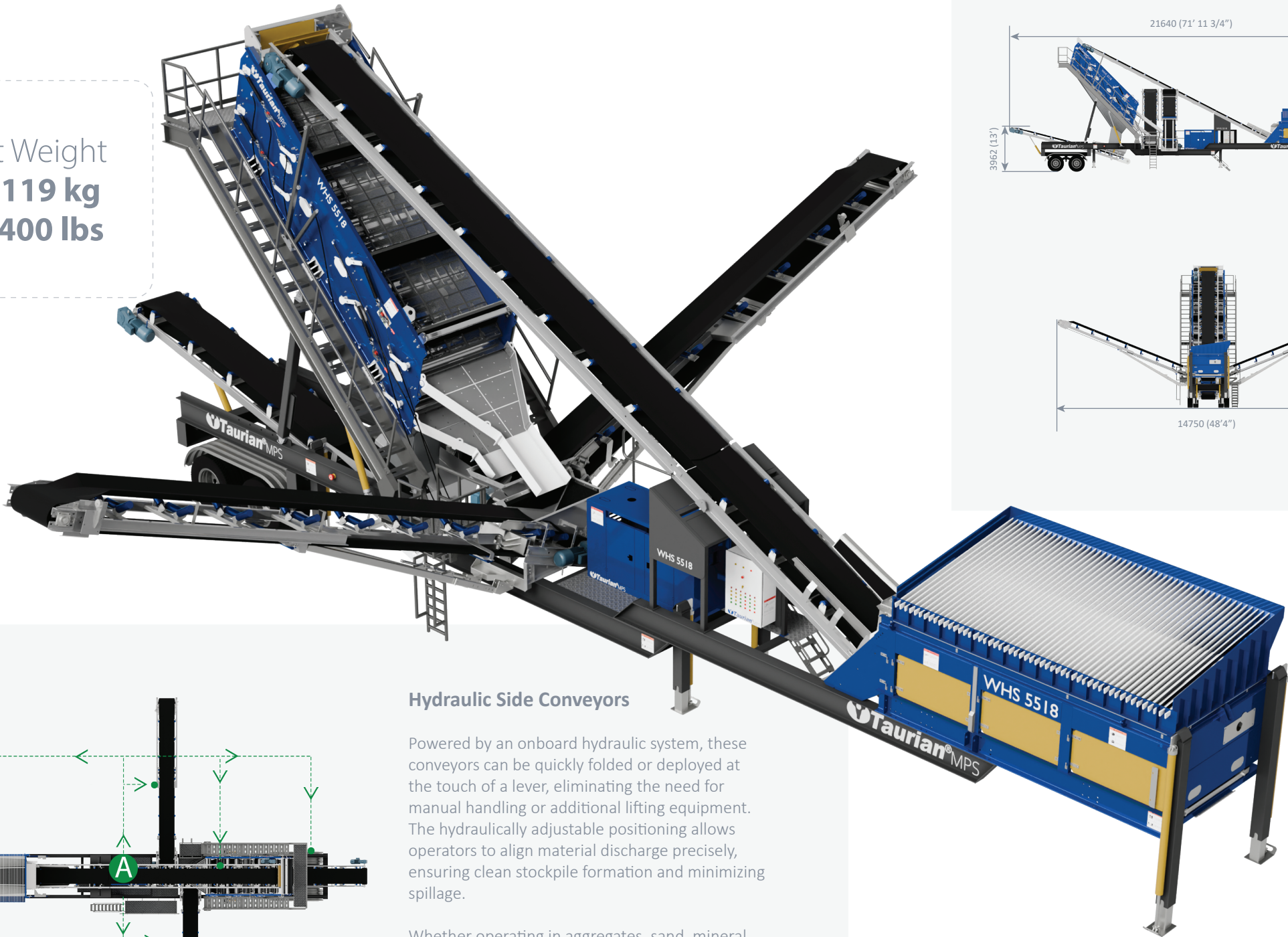




WHS 5518 with grid and

# Hydraulic side conveyors

Unit Weight  
**30,119 kg**  
**66,400 lbs**

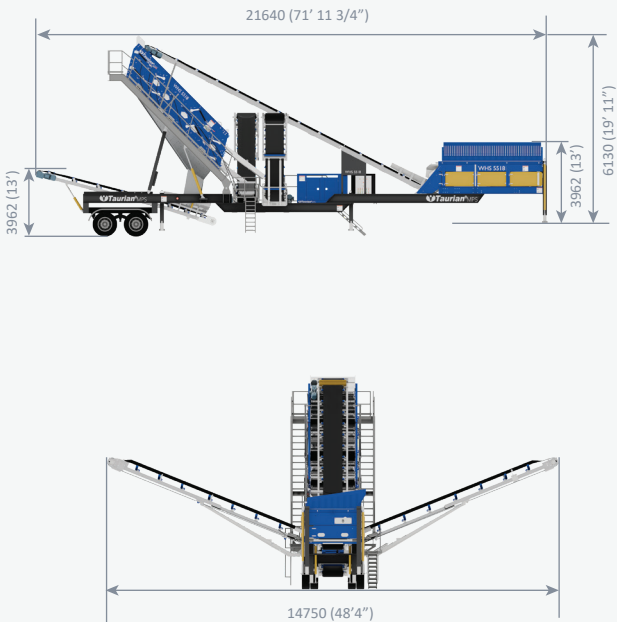


### Hydraulic Side Conveyors

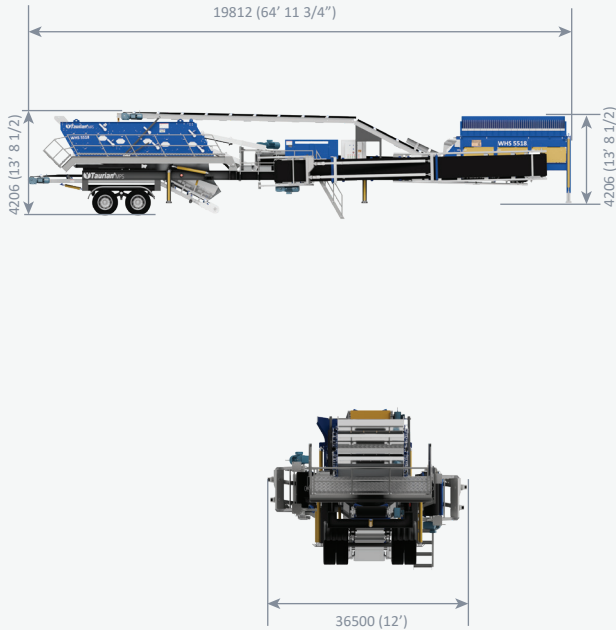
Powered by an onboard hydraulic system, these conveyors can be quickly folded or deployed at the touch of a lever, eliminating the need for manual handling or additional lifting equipment. The hydraulically adjustable positioning allows operators to align material discharge precisely, ensuring clean stockpile formation and minimizing spillage.

Whether operating in aggregates, sand, mineral processing, or contract screening, hydraulic side conveyors help maximize productivity by providing dependable, low-maintenance material transfer while keeping the entire screening process mobile, efficient, and operator-friendly.

### Working Dimensions



### Transport Dimensions

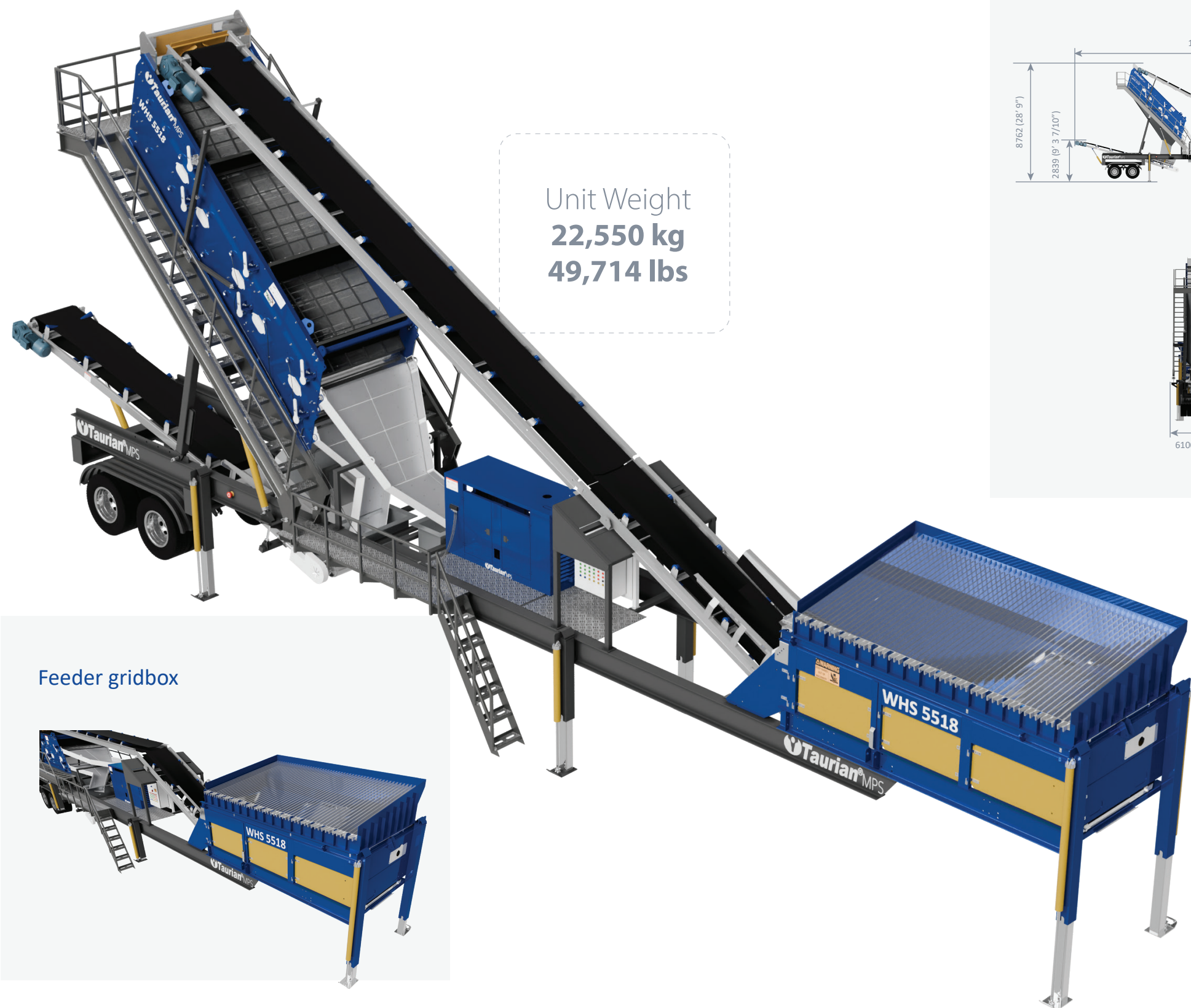


### WHS 5518 with grid and hydraulic side conveyors

Screen size	1830 x 5490 mm
Feeder grid	3810 x 2100 x 1115 mm
Max screen elevation	45°
Feed conveyor angle	27°
No. of mesh	6
Drive motors	13 x 1.3 kW

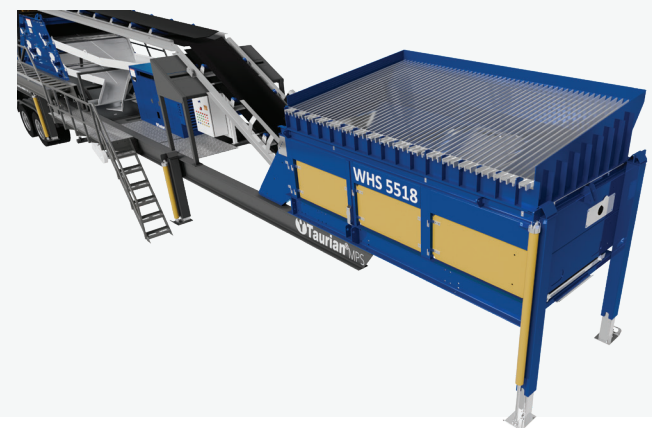


# WHS 5518 with grid



Unit Weight  
**22,550 kg**  
**49,714 lbs**

Feeder gridbox



WHS 5518 with grid

Screen size	1830 x 5490 mm
Feeder grid	3810 x 2100 x 1115 mm
Max screen elevation	45°
Feed conveyor angle	27°
No. of mesh	6
Drive motors	13 x 1.3 kW



# WHS 5518 without grid



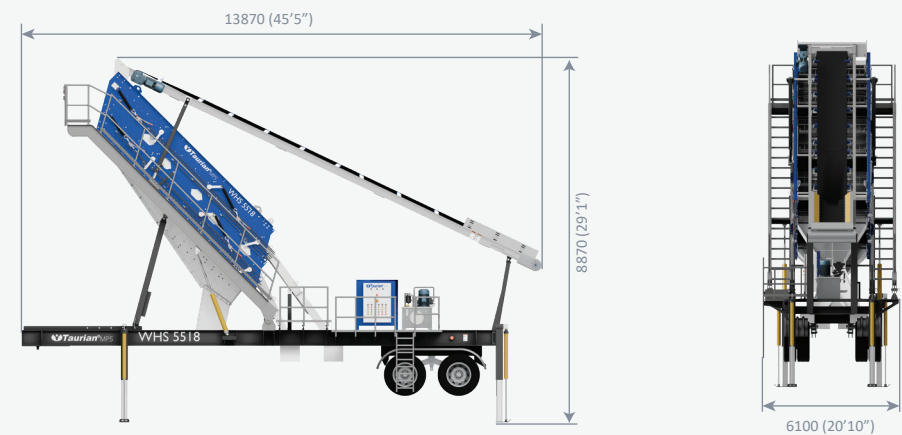
Unit Weight  
**12,701 kg**  
**28,000 lbs**

## High Frequency Screen



**Vibrating Screen**  
One (1) HFS 5518-2D hyperscreen  
5.5' x 18' high-frequency screen top and bottom deck  
Top and bottom deck are driven by thirteen (13) electric vibrators (0- 3000 RPM) mounted below screens for directly induced vibrating action  
All vibrators have force amplitude settings on adjustable slip counterweights  
Top and bottom decks have individual VFD's (2)  
Hydraulic controls for variable angle operation  
Top and bottom deck discharge chutes  
Aggregate spreader  
Fixed access ladder with wrap around walkway  
Standard screen cloth with rotary tensioning system

## Working Dimensions



## Transport Dimensions



## WHS 5518 without grid

Screen size	1830 x 5490 mm
Max screen elevation	45°
Feed conveyor angle	27°
No. of mesh	6
Drive motors	13 x 1.3 kW

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