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Mobile Crushing & Screening

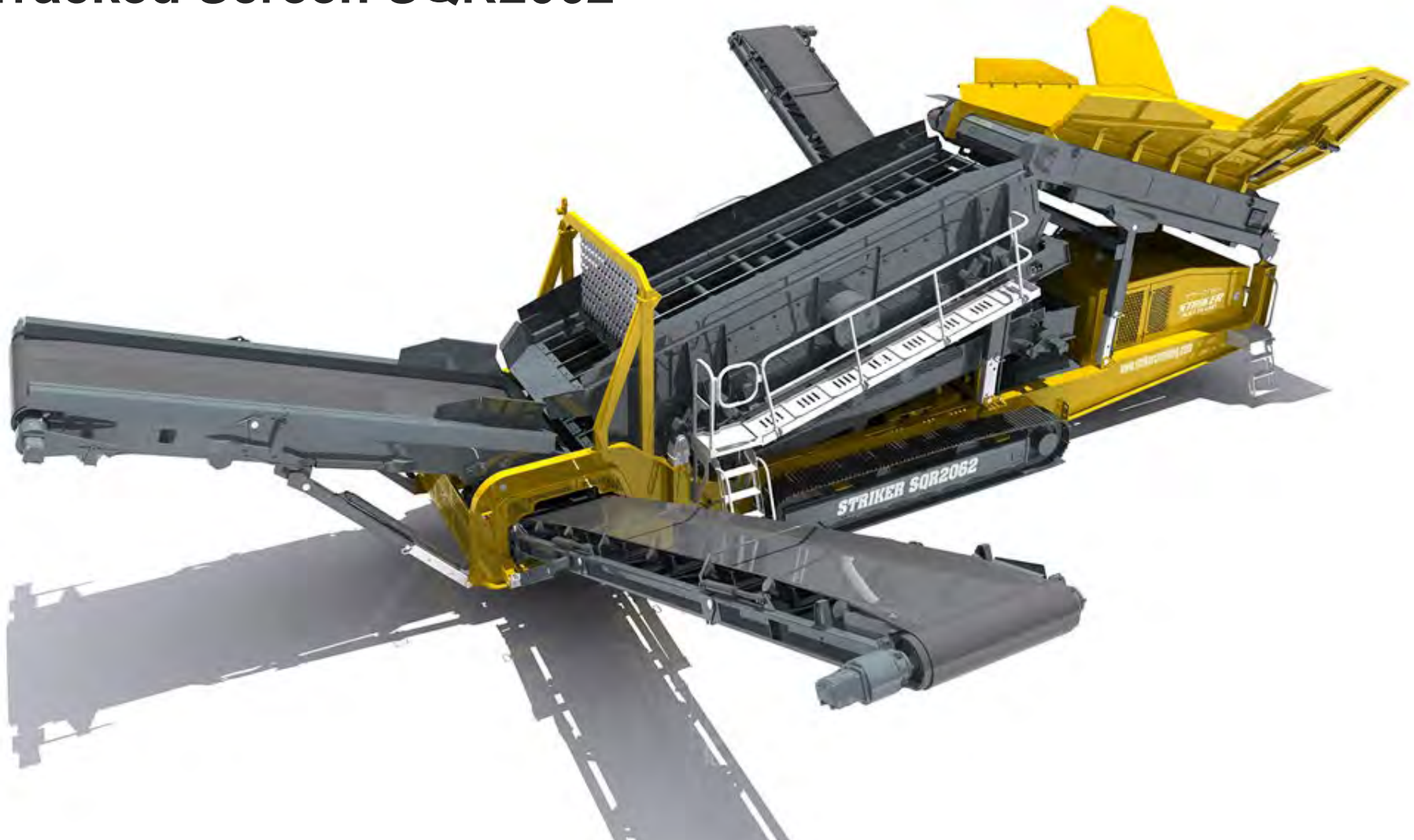
SQR2062

Features & Benefits









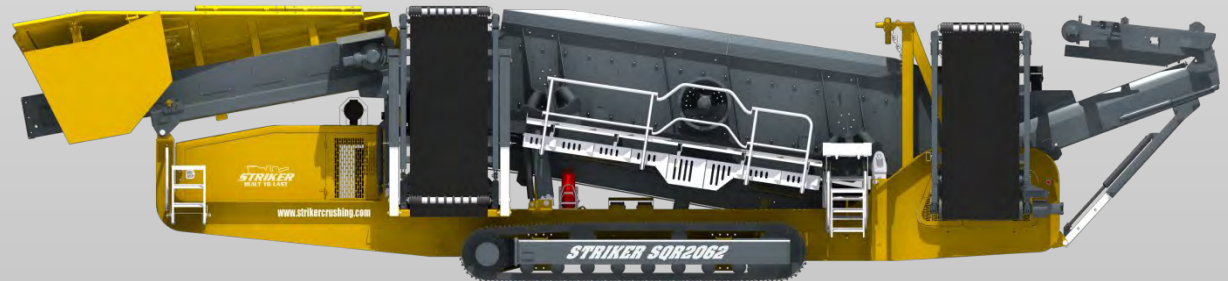
(SP02SI146-1900)

Tracked Screen SQR2062



Transport Dimensions

SQR2062	
Operating Dimensions:	
	16292mm 53' 5"
	14353mm 47' 1"
	5053mm 16' 7"
Transport Dimensions:	
	15947mm 52' 4"
	2998mm 9' 10"
	3651mm 12'
Weight (T):	44T
Weight (lbs):	97,003lbs



Feed Hopper

| Loading Height – 3700mm (12' 2")

| Feed Hopper Capacity – 10m³ (13yd³)



Feed Hopper Wings

- Heavy duty wear resistant steel feed hopper construction
- Reinforced box section webs
- Flip out folding side wings
- Rapid set up time
- Incline Beltfeeder
- Variable speed gearbox drive conveyor
- Hopper sides manufactured from wear resistant steel
- Heavy duty impact rails/impact rollers fitted To Feeder belt
- Hydraulic slide into transport position
- Feeder Conveyor: 1200mm (48") HD 4 ply plain belt



Belt Feeder

Hydraulically driven variable speed heavy duty belt

Fully skirted conveyor belt to reduce spillage with wear resistant steel liners for durability

Belt width 1400mm (4'7")

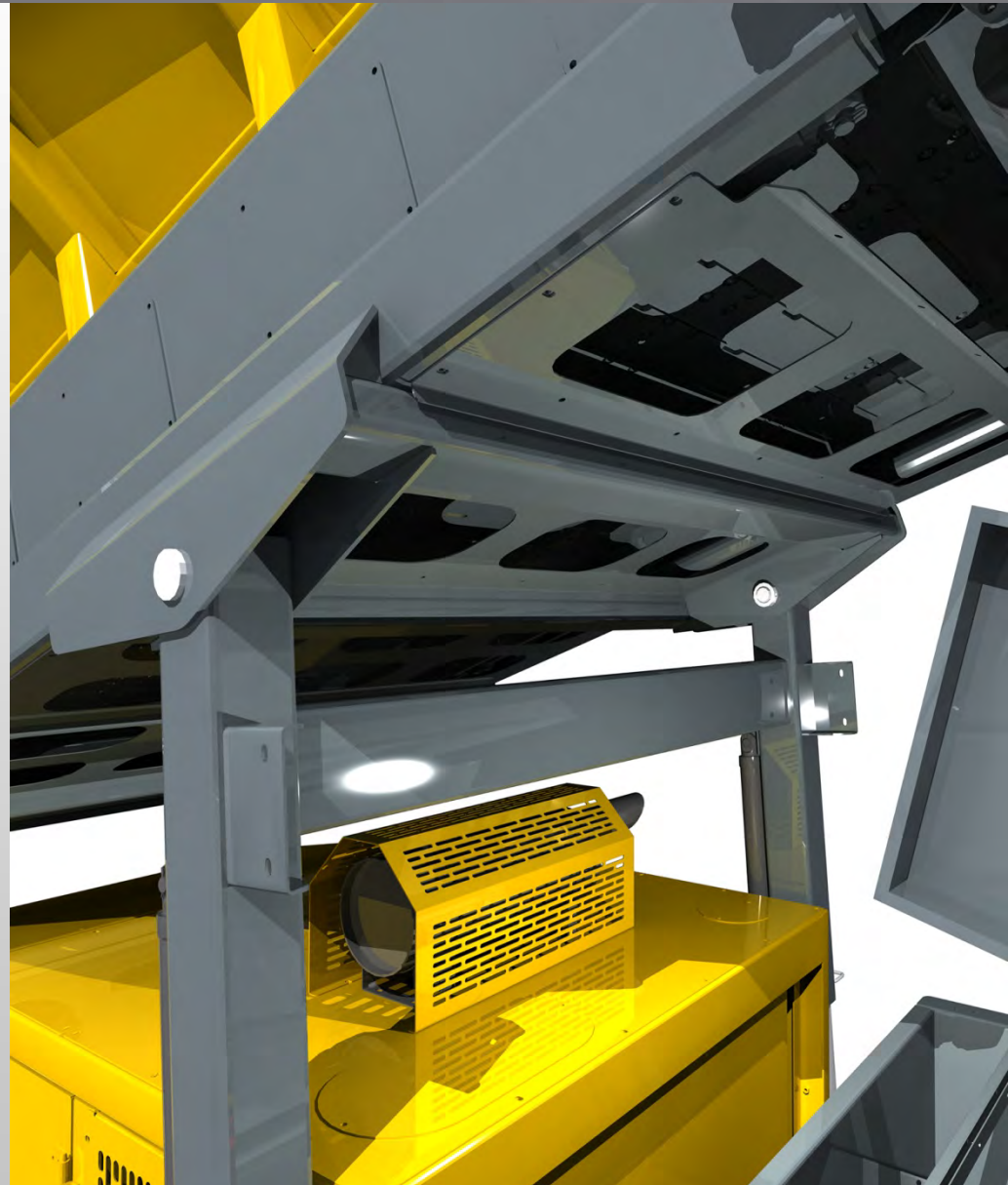
Optional steel apron feeder



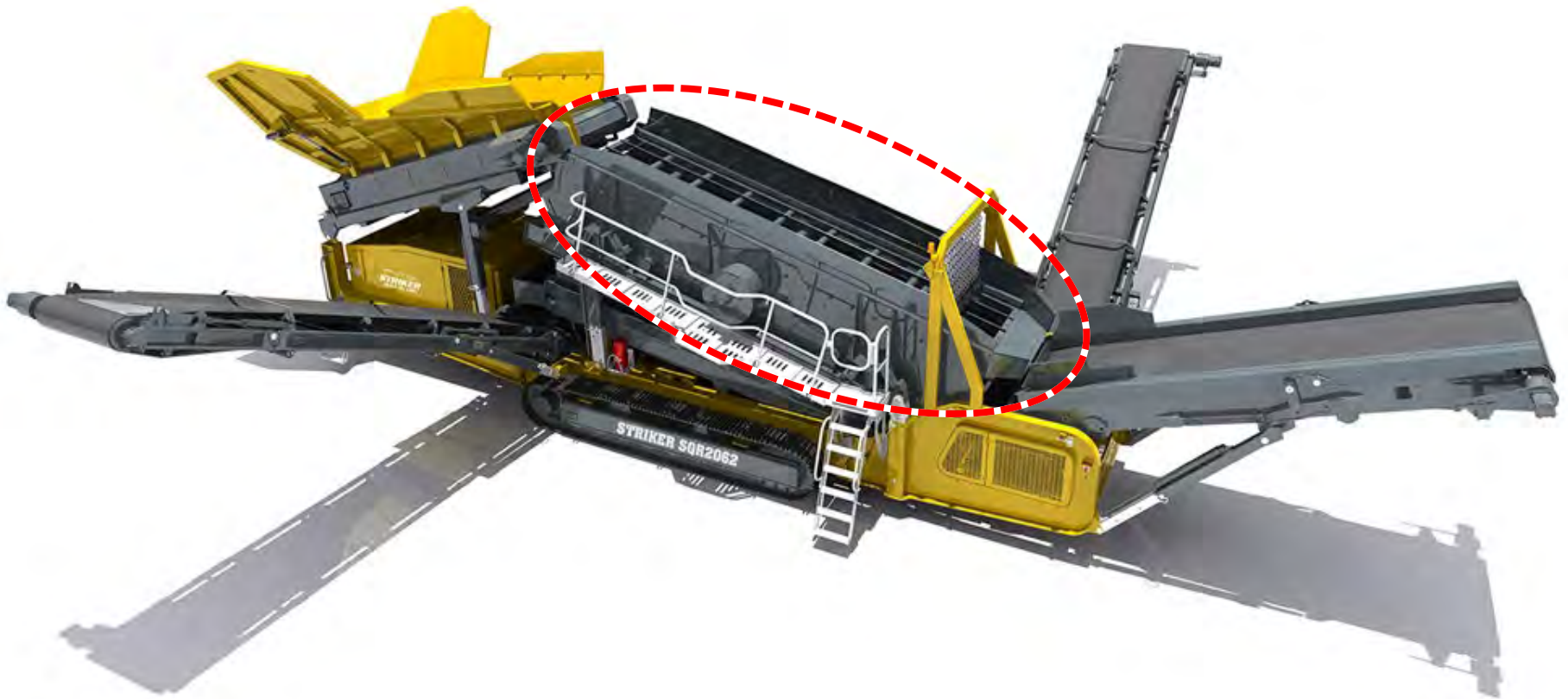
Spillage Chute

Spillage chute fitted underneath feed conveyor to protect power pack

Any spillage exits harmlessly from bottom of the chute at the back of the feed hopper



Screen



Screen Box

- 2 bearing screen box

- Double deck screen:

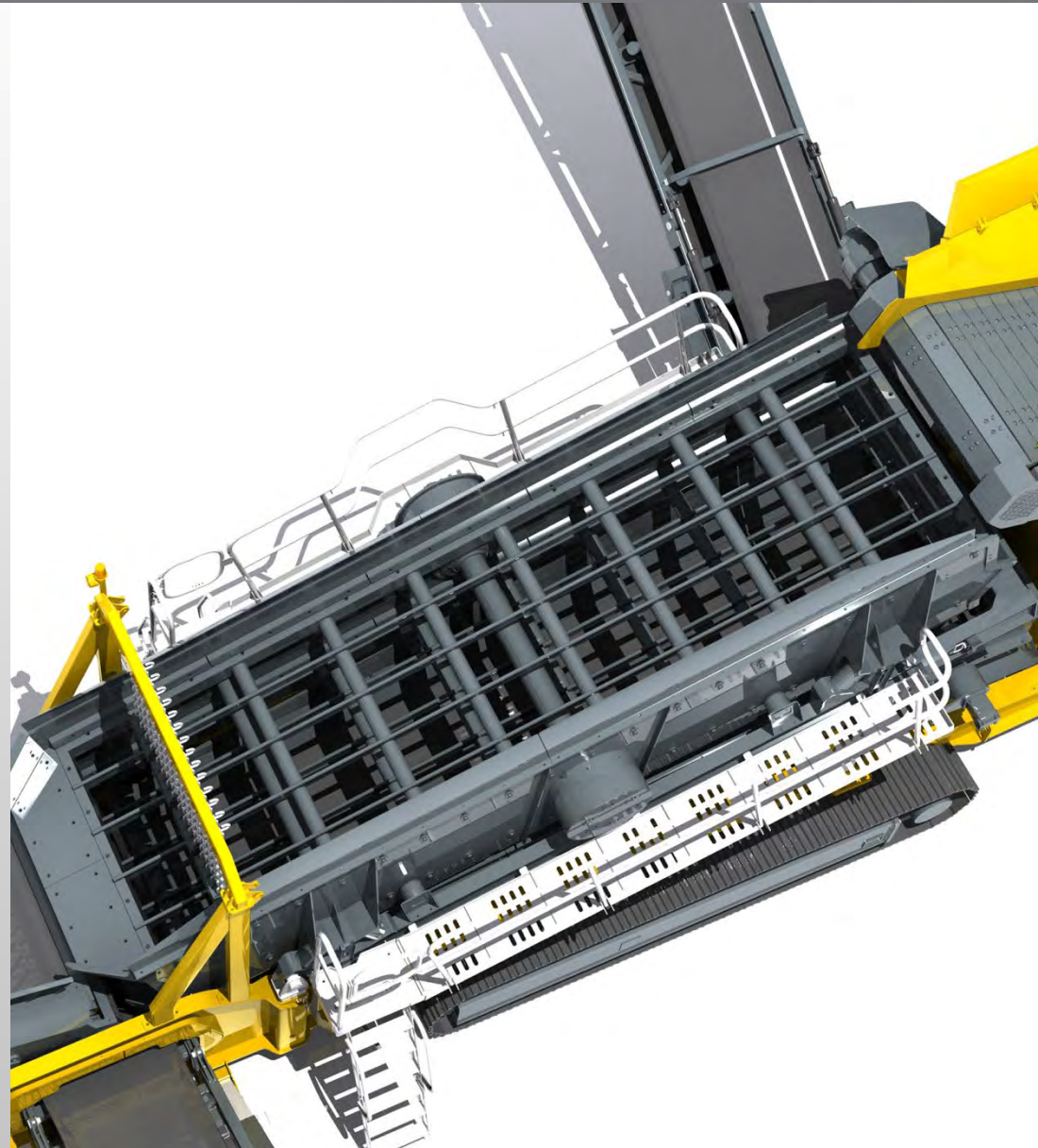
 - Top deck 6100mm x 1830mm (20' x 6')

 - Bottom deck 6100mm x 1830mm (20' x 6')

- Heavy duty screen box

- 6m x 1.8m (20' x 6') – side tensioned top deck, side tensioned bottom deck

- Screen walkway & access steps / ladders





Screen Angle

Screen angle can be adjusted |

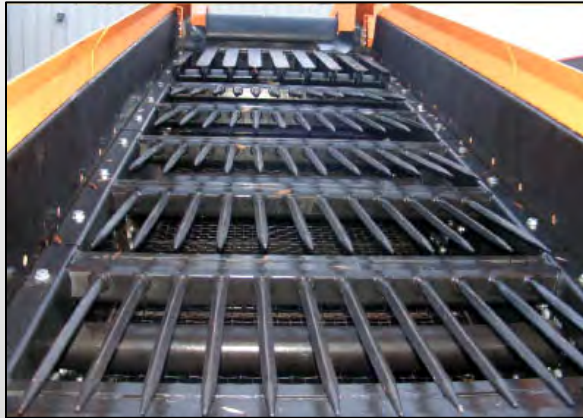
Hydraulically lifted into position |

Rapid onsite setup and operation |

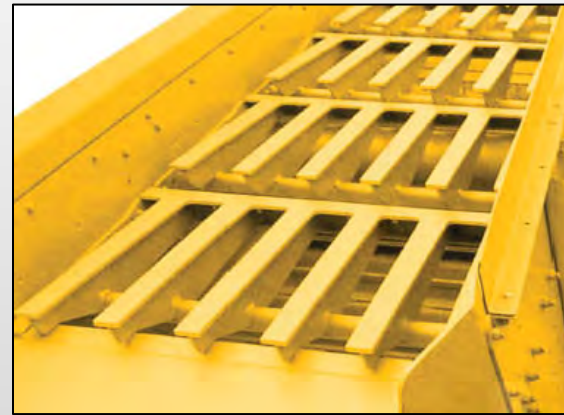
Complete flexibility onsite |

Other Top Deck Types

Heavy Duty
Top Finger
Deck



Bofar Bar
Assembly



Woven Mesh
Various
Apertures



3" Punch
Plate
Assembly



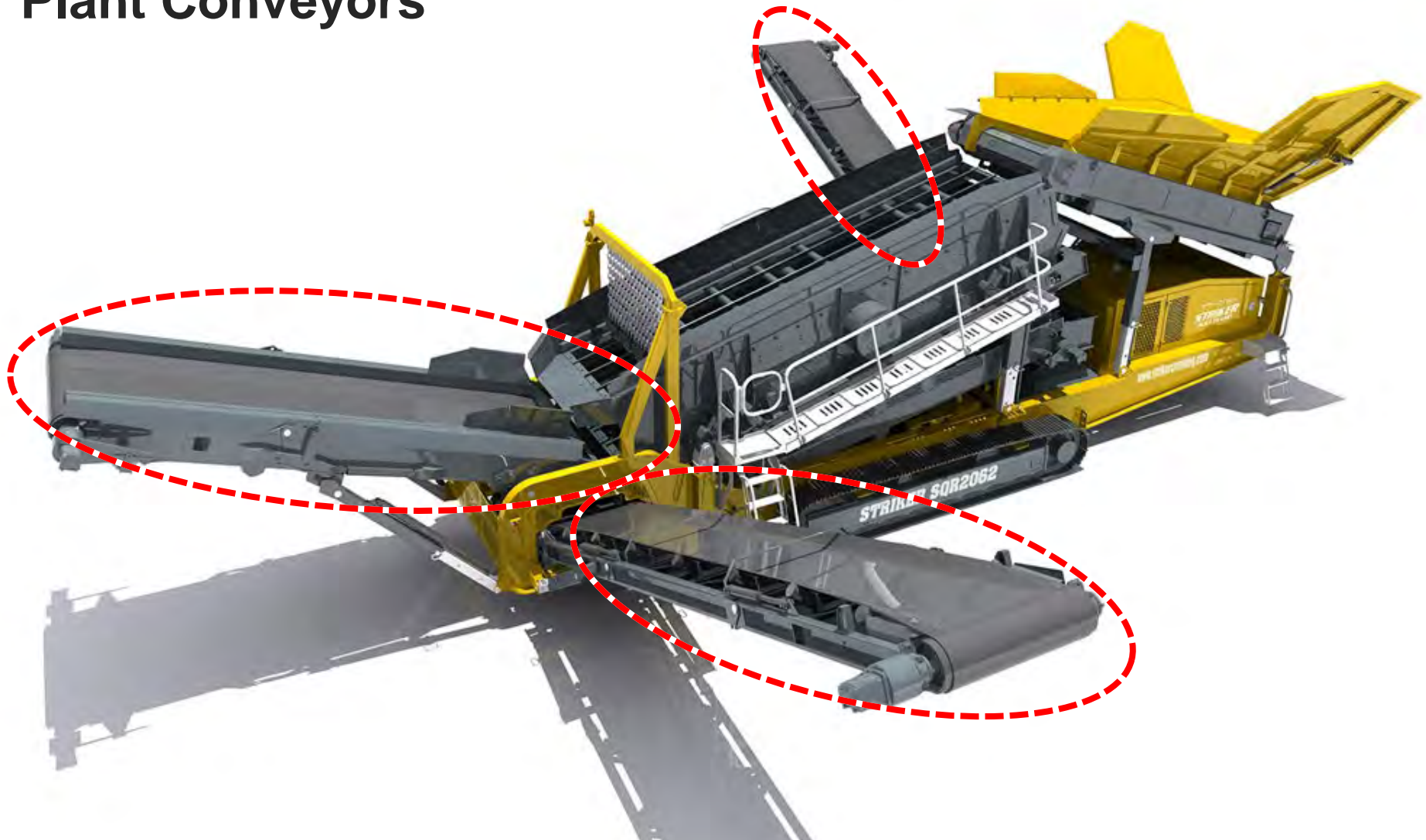
Screen Supports

Screen box is mounted independently from the chassis

Four sets of three springs absorb the screens vibration to reduce stress on the main chassis



Plant Conveyors



Oversize Conveyor

- Heavy duty 4 ply chevron belt 1500mm (60') wide
- Hydraulically folding for transport to give a shorter transport length
- Directly below the screen discharge the conveyor has impact bars which take the load of crushed material impacting the belt
- Discharge height of 3477mm (11'5")
- Variable speed control
- Hydraulic slide facility, allowing access to bottom deck screenbox media
- Hydraulic discharge angle adjustment
- Heavy duty impact rails



LH Side Conveyor – Fines

- 1000mm (40") wide HD 3 ply plain belt
- Hydraulic discharge angle adjustment/folding for transport
- Variable speed control
- Heavy duty impact rails fitted to feedboot area



RH Side Conveyor – Mid-Fines

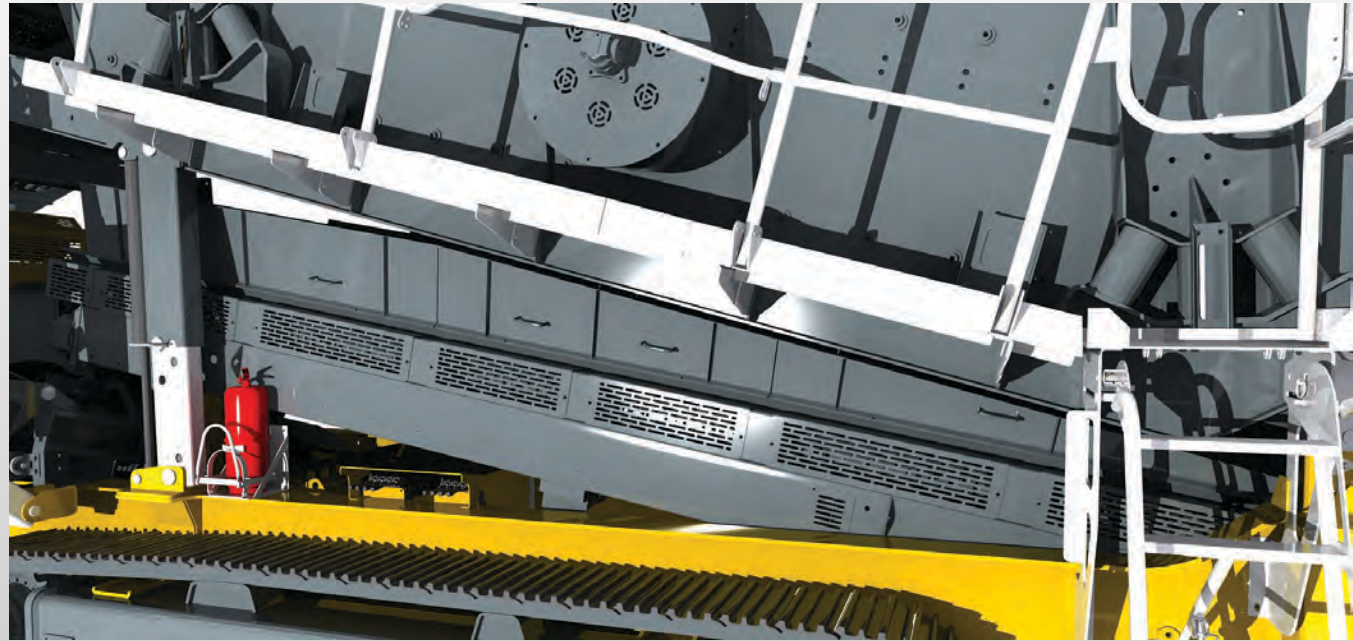
- 1000mm (40") wide HD 3 ply plain belt
- Hydraulic open and close / height adjustable
- Variable speed control
- Heavy duty impact rails fitted to feedboot area



Collection Conveyor

1200mm (48") wide 3 ply plain belt

Heavy duty drive motor



Side Conveyors

Heavy duty chevron belt
1000mm (40") wide

Hydraulically folding for transport
to give a shorter transport length

Mid product conveyor discharge
height of 4307mm (14'2")

Fines product conveyor discharge
height of 4168mm (13'8")



Powerpack

Powered by a CATERPILLAR® series C7.1 Tier 3 Equivalent – 6 cylinder diesel engine rated at 151kW

The engine complies with all current emission laws

Low level, easy access for maintenance via folding panel doors

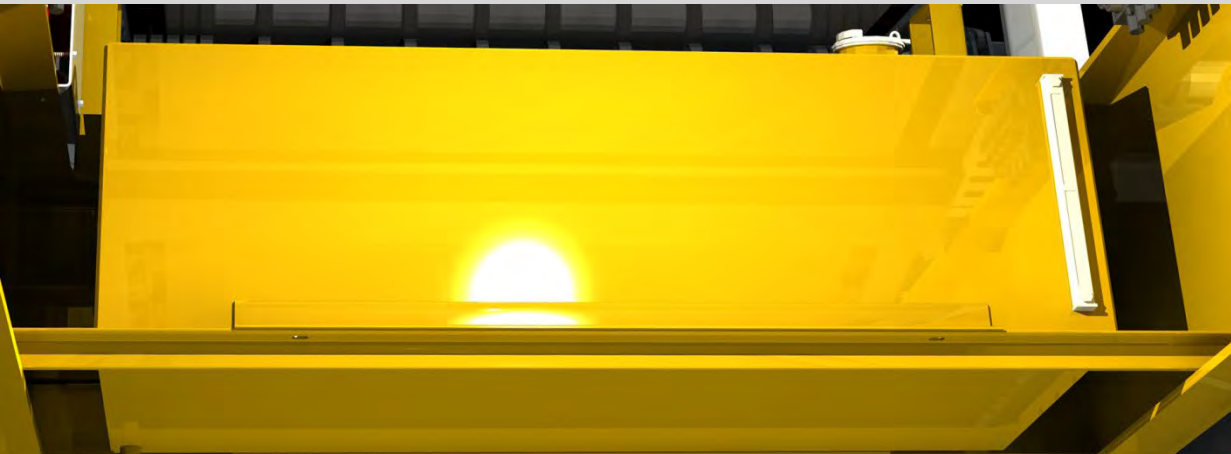
Easy to maintain, reliable and efficient

Hydraulic oil grade 68



Fuel & Hydraulic Tanks

- 400 litre (88 gal) standard capacity fuel tank
- Level indicator gauges
- Hydraulic oil filtration system and air filter
- Hydraulic oil cooler fitted as standard
- Lockable filler cap



Hydraulic Components

Easy access to hydraulic components for maintenance

Simple ON/OFF hydraulic blocks

The hydraulic system powers:

Feed hopper

Screen

Tracks

Oversize conveyor

Side conveyors



Manual Hydraulic Controls

Manual hydraulic levers power the following and are easy to operate and allow for quick setup and operation:

Feed Hopper

Screen

Oversize conveyor

Side discharge conveyors



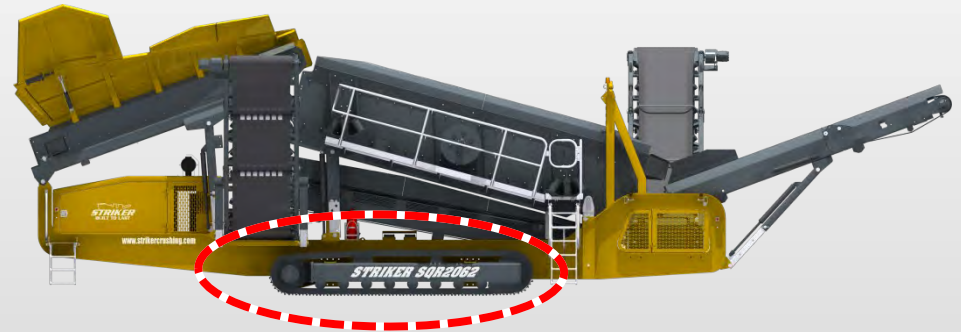
Controls

- Simple user friendly operation
- Clearly marked diagrammatic fault monitoring
- Low voltage system



Tracks

- Hydraulically driven crawler tracks
- Track centres 3800mm (12'6")
- Track shoe width 400mm (1'4")



Remote Control Unit

- Ergonomic, robust hand held remote control suitable for working environments
- Emergency stop button suitably located
- Left & right track movement forward & reverse
- Radio remote control unit



Machine Safety Aspects

- | Nip point guarding
- | External conveyor belt adjustment
- | Remote greasing
- | Engine start delay & siren
- | Warning siren to alert that the machine is tracking
- | Engine emergency stops

Options

- | Dust suppression system

- | Radio controlled tracks

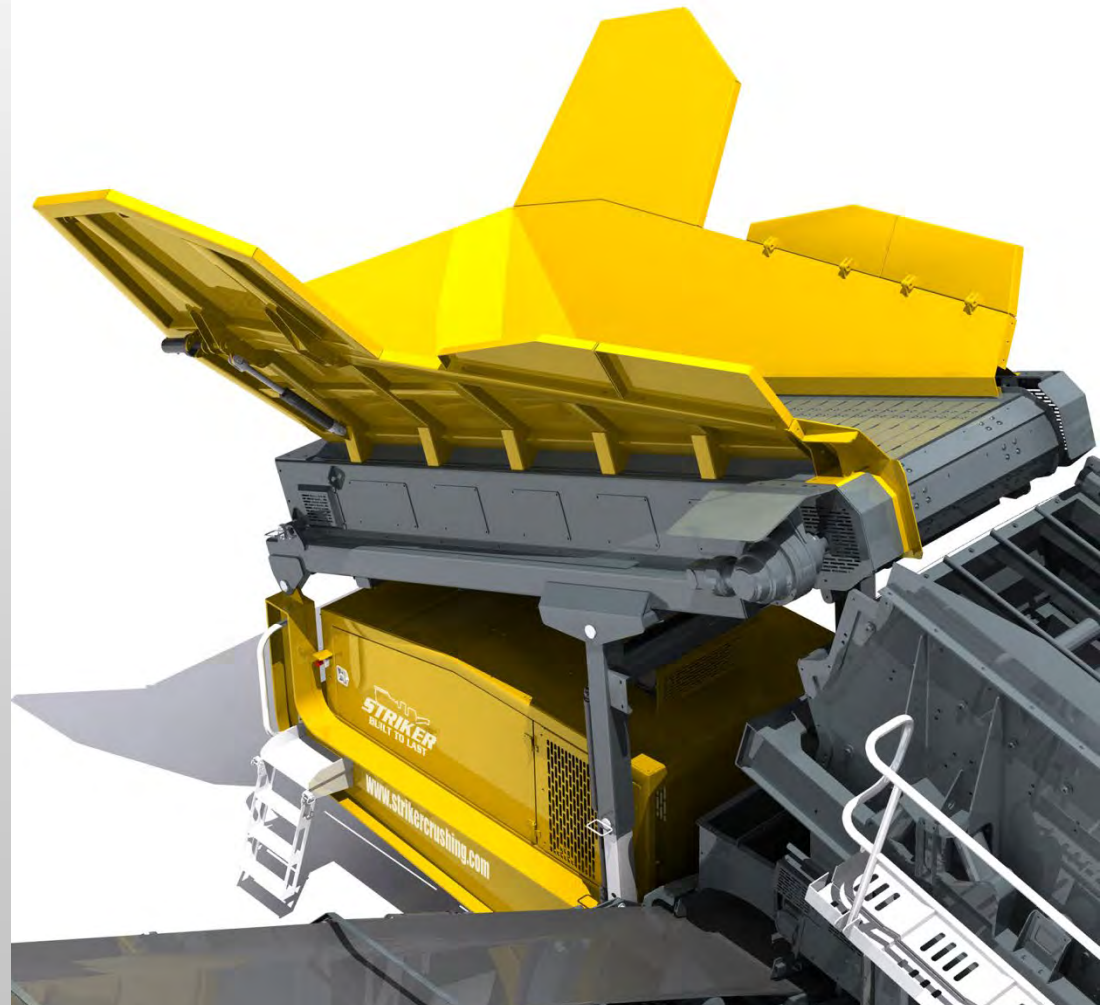
- | Top deck mesh, bofar bars, punchplate or heavy duty finger screen deck

- | Wear resistance steel apron feeder or belt feeder

- | Plate apron feeder (replaces belt feeder)

Feed Hopper Wings (Option)

- Incline apron feeder
- Hydraulic folding heavy duty hopper sides.



LH Side Conveyor – Fines (Option)

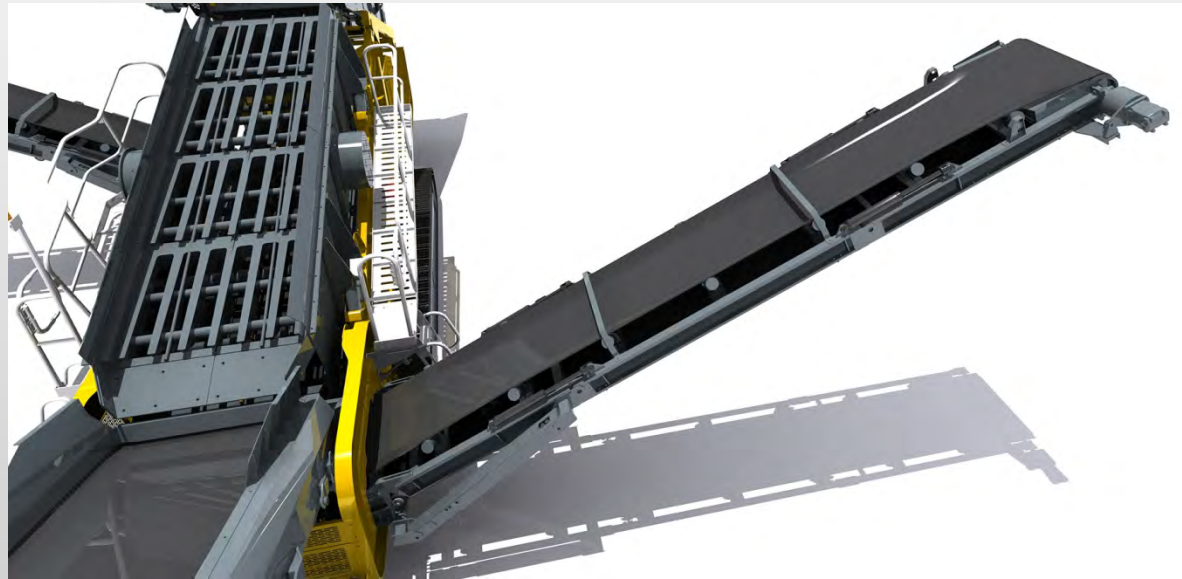
Chevron belt



RH Side Conveyor – Mid-Fines (Option)

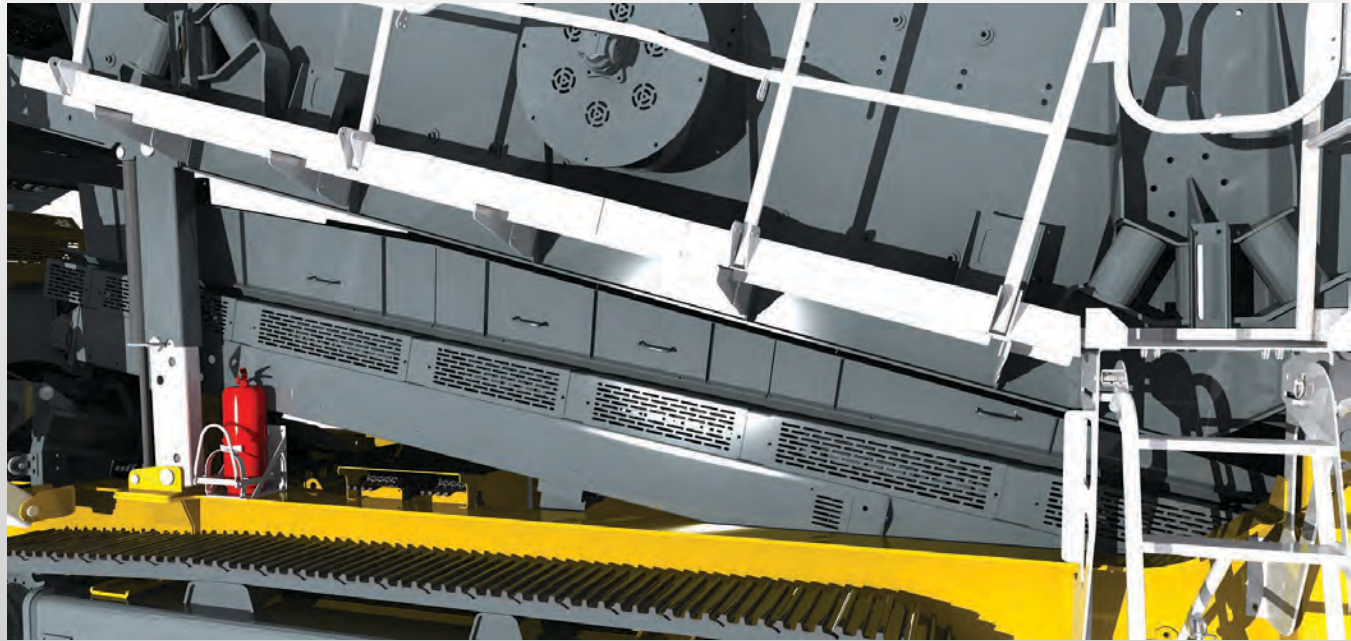
Chevron belt

Conveyor removed, plant in 2 way split configuration



Collection Conveyor (Option)

Spherical roller bearings with 2 piece housings all conveyors



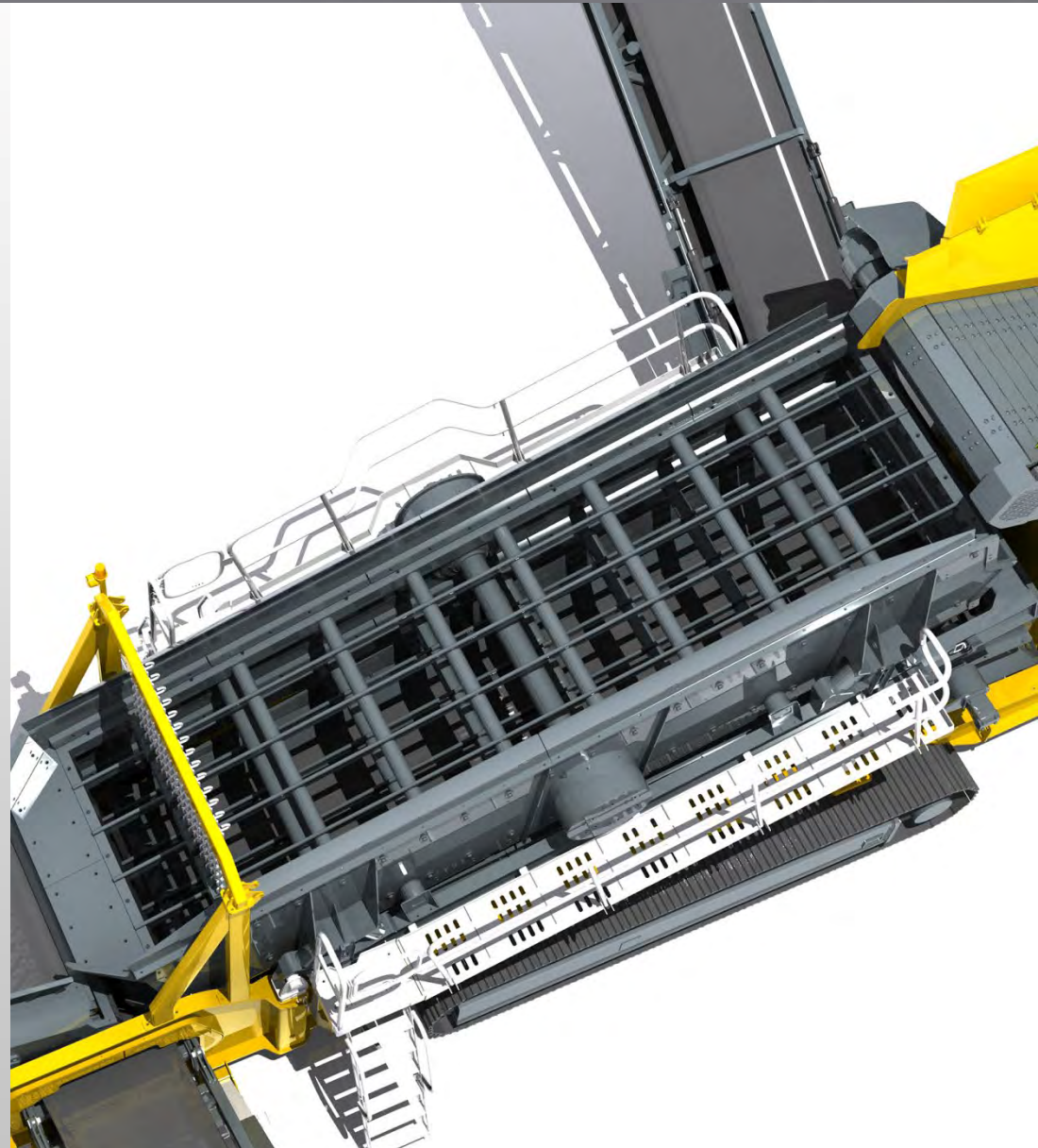
Powerpack (Option)

Powered by a CATERPILLAR® series C7.1
Tier 4F / Stage IV – 6 cylinder diesel engine
rated at 151kW

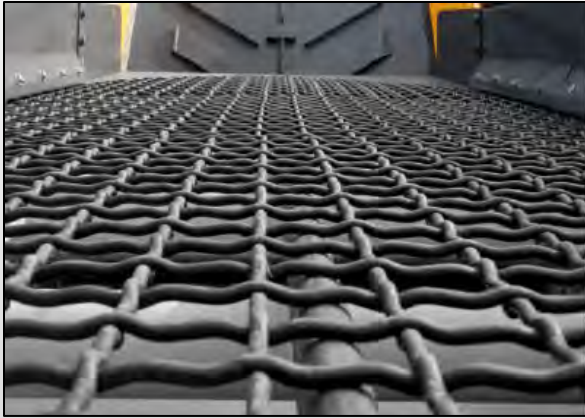


Screen Box (Option)

- Screen blanket for material retardation
- Screen soft start and stop



Woven Mesh (Option)



Woven Mesh Various Apertures

Top Deck Woven
(Max Mesh aperture - 120mm / max)

Bottom Deck Woven
(Max Mesh aperture - 75mm)

Punch Plate (Option)



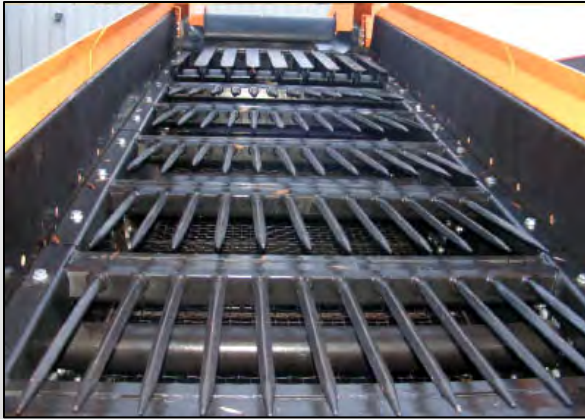
3" Punch Plate Assembly

- Striker recommend using hexagonal holes to maximise the open area on smaller apertures
- Top Deck Mild Steel
- Top Deck Wear Resistant Steel
- Bottom Deck Mild Steel
- Bottom Deck Wear Resistant Steel

** Max. top deck punched plate aperture – 150mm / max. bottom deck punched plate aperture – 125mm

** Max. feed size not to exceed 600mm

Heavy Duty Top Finger Deck (Option)



Heavy Duty Top Finger Deck

- Top Deck – 75mm (3")
- Top Deck – 50mm (2")
- Bottom Deck (State Aperture)
- Mesh frame not included

** Max. top deck fingerscreen aperture – 75mm / max. bottom deck fingerscreen aperture – 50mm

** Max. feed size not to exceed 400mm

Bofor Deck (Option)



Bofor Bar Assembly

- Top Deck – 100mm (4")
- Top Deck – 75mm (3")
- Mesh frame not included

** Max. bofor aperture – 100mm

** Max. feed size not to exceed 600mm

Remote Control Unit (Option)

Umbilical remote control unit



Selling Features Summary

Strong, reliable, robust heavy duty body designed & engineered web & flange chassis, fully welded & fabricated from high grade steel to withstand the rigors of operation & transportation

CATERPILLAR® engine as standard, compliant to industry regulations

Heavy duty tracks suitable for any environment

Extra wide product conveyor with full length rubber side skirts utilising wear resistant steel clamp plates. Maximised discharge height for product stockpiling

Hydraulically folding conveyor for compact transportation and rapid operational setup