



TECHNICAL DESCRIPTION

MS2600 Double Deck Screen



**MS 2600 Double Deck
Screen**

**Self contained Tracked
screening plant**

Double Deck Screen

**Extra Heavy Duty
Construction**

**Independently Variable Belt
Drives**

Quick & Easy Setup

Top Deck:

6100mm x 1520mm (20" x 5")

Bottom Deck:

6100mm x 1520mm (20" x 5")

Feeder / Hopper***Capacity:***

7 Cubic Metres
(including grid)

Feed in Dimensions:

4380mm x 2100mm with Grid

Feed in Height:

3800mm with Grid

Feed Belt Width:

1000mm

Feeder Length:

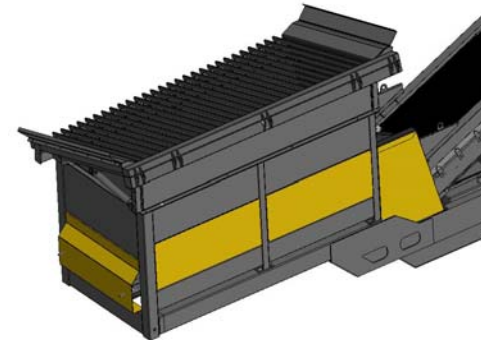
3800mm

Type:

Belt Feeder with Heavy Duty
Troughing Rollers Rollers.
100 & 150 mm bar Spacing

Drive:

125cc hydraulic motor coupled to
gearbox drive to end drum.



Feeder Contd...***Features & Benefits:***

Variable speed control

Can be adjusted to suit application

Heavy duty Tesab design

Hydraulic tipping reject grid

5mm thick mild steel lining

Belt scrapers

Access:

Easy Access Through Hinged
Rear and Side Doors for ease of
Maintenance.



MS2600 Screenbox***Top Deck Screenbox Length:***

6100mm

Top Deck Screenbox Width:

1520mm

Bottom Deck Screenbox Length:

6100mm

Bottom Deck Screenbox Width:

1520mm

Screen Meshes:

Top Deck fitted with 6 side

Tensioned mesh panels.

1450mm inside hooks x 1000mm

Long

Bottom Deck fitted with 2 end

Tensioned mesh panels.

3040mm inside hooks x 1450mm

Wide.

Screen Tensioning:Ratchet Style adjustment for easy
tensioning of bottom deck meshes
as standard.

Top deck bolt system standard.

Screenbox:

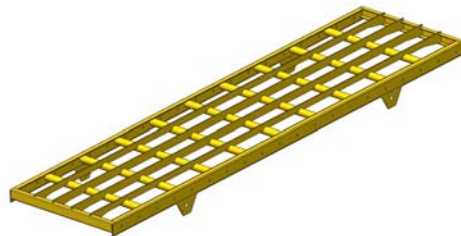
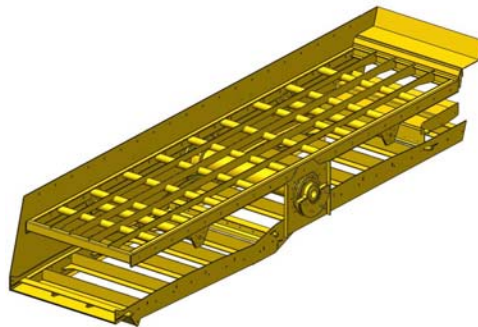
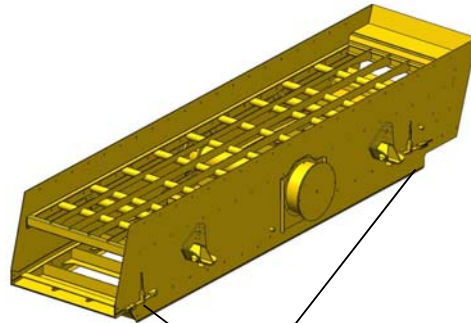
8mm Thick Mild Steel Side Plates.

Feed on Plate fitted with 15mm

thick bolt on wear rubber.

Screenbox Angles:Hydraulically Adjustable Screenbox
angle.

Working Angles 16 – 26 Degrees



Screenbox Contd...***Drive:***

Twin bearing single shaft design.
Eccentric Shaft running on 130mm diameter Bearings and fitted with bolt on Counterweights to each side.

Hydraulic motor can be reversed to change direction of throw.
87cc hydraulic motor.

Screen Speed:

Standard 1050 rpm

Spring Mounted:

Mounted on 12 Heavy Duty Vibration Springs (3 per corner)

Maintenance:

Changing of meshes is simple and quick via ratchet tensioning.
Fines belt drops to ground level, to allow access to screenbox bottom deck meshes at horizontal.

Features & Benefits:

Large screening area on both top and bottom decks.
High Energy Screening Action
Heavy Duty Screenbox
Quick mesh change and tensioning via ratchet system.
Optional Ball Deck Fitted to bottom deck if required.



Main/Feed Conveyor***Belt Width:***

1000mm

Specification:

EP500 / 3 ply

5mm top cover

1.5mm bottom cover

Full Galvanised Skirting

Conveyor Length:

11630mm drum centres

Drive:

800cc hydraulic motor directly coupled to drive drum.

Features & Benefits:Heavy duty construction with
troughing rollers.Hydraulically adjustable for
transport, screening angles and
rapid setup.

Fines Conveyor***Belt Width:***

1200mm

Specification:

EP500 / 3 ply

5mm top cover

1.5mm bottom cover

Full Galvanised Skirting

Conveyor Length:

9400mm drum centres

Drive:800cc hydraulic motor directly
coupled to drive drum.***Feed out Height:***

5030mm

Working Angle:

25 Degrees

Transport:

Hydraulic Folding for transport.

Features & Benefits:Heavy duty construction with
troughing rollers.Hydraulically adjustable allowing
versatility for transport, screening
angles and rapid setup.

Side Conveyors***Belt Width:***

800mm

Specification:

3 ply Chevron Belt

Conveyor Length:

9800mm drum centres

Drive:

400cc hydraulic motor directly coupled to drive drum.

Feed out Height:

4800mm

Working Angle:

22 Degrees

Transport:Hydraulic Folding for transport.
1 locking pin.***Features & Benefits:***

Heavy duty construction with troughing rollers.
Hydraulically adjustable allowing versatility for transport, and rapid deployment.
Can be independently adjusted to vary speed of each conveyor separately.



Chassis & Track System

General:

Chassis Frame manufactured from 400x115 Channel & 10/12mm thick folded plate section. Ribbed and stiffened to deal with all operational and travelling stresses.

Support:

One x set of hydraulically operated support legs to give support to chassis at rear of hopper.

Track System:

Heavy duty crawler system chassis.
3800mm sprocket centre to idler centre.
400mm shoe width.
32 degree gradability.
1.54km/hour track speed.
Driven through integral gearbox, and overcentre motor control valve.
Control through doglead controls.
Heavy duty idler recoil fitted with grease tensioning device.
Dog lead track control as standard.

Features & Benefits:

Extra Heavy Duty construction and robust design to withstand rigours of heavy mining, quarrying and recycling applications.



Drive System

Type:

Tier III Caterpillar C4.4 Powerpack
(4 cylinder – 4 stroke – direct –
Turbocharged)

Power:

130hp (100kW)

Operating Speed:

2200 rpm

Canopy:

Enclosed in weatherproof steel
canopy with hinged, lockable
panels for maintenance.

Safety Sensors:

Operated through Caterpillar
Messenger system which includes
constant monitoring, automatic
de-rate and shutdown.

Cooling System:

Engine fitted with Caterpillar factory
fitted radiator.

Engine Warranty:

Caterpillar standard 24 month
warranty on Tier III products.

Machine Controls:

Integrated engine starter panel.
Machine operation through manual
hydraulic control bank levers.
Levers conveniently located in
relation to operating part.
6 x Emergency stops located at
various points.



Drive System Contd...***Hydraulic Pumps:***

2 x Triple Hydraulic Pumps.

46cc/46cc/33cc operating:

- Tracks / Fines Conv & Screen Box
- Tracks/ Main Conveyor (Vib Grid)
- Belt Feeder

23cc/23cc/11cc operating:

- Right Hand Side Conveyor
- Left Hand Side Conveyor
- Remote Tipping Grid

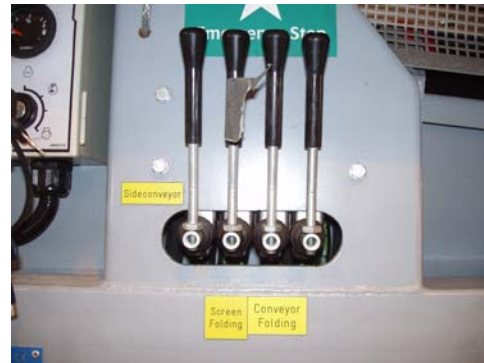
Features & Benefits:

Well proven, reliable powerpack.

Independent drives for side conveyors allows speed to be controlled independently.

Manual hydraulic control bank operation ensures maximum reliability, vital in remote locations.

Superb access around engine and auxiliaries for routine maintenance.



Access

Information:

Catwalks, handrails, steps and access panels are positioned around the crusher to give easy maintenance and inspection access.

Features & Benefits:

Unit is designed to incorporate ease of access all around to facilitate routine maintenance.

All catwalks, steps, guards etc are built, to CE standards for users safety.

Access, and starter panels are located in lockable steel canopies.



Grease Points:***Information:***

Centralized greasing brought to easy access points at ground level.

**Guarding:*****General:***

Machine fully guarded to essential health and safety requirements.

Machine carries the internationally acknowledged CE mark.



Rubber Curtains:***Location:***

3 x Rubber Curtains on Screenbox

Optional:

Rubber Curtains on main conveyor.

OPTIONS:***Dust Covers:***

Dust conveyors can be supplied for the main conveyor, fines conveyor and side conveyors.

Live Head:

A heavy duty live head option can be fitted to the unit with either a single or double deck configuration.

Ball Deck:

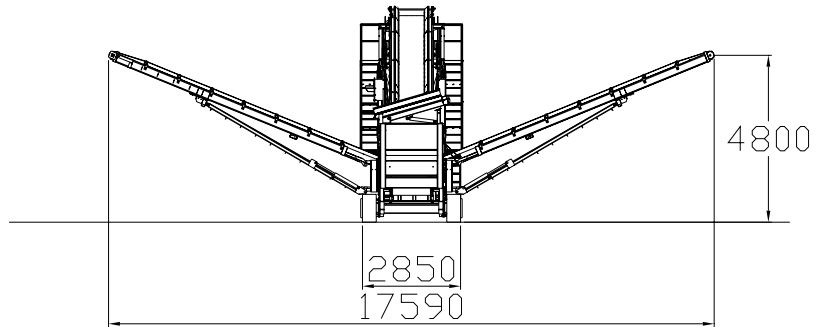
A ball deck can be incorporated on the screen to self clean the screen mesh when working in sticky or heavy applications.

Contact local dealer for further Information.

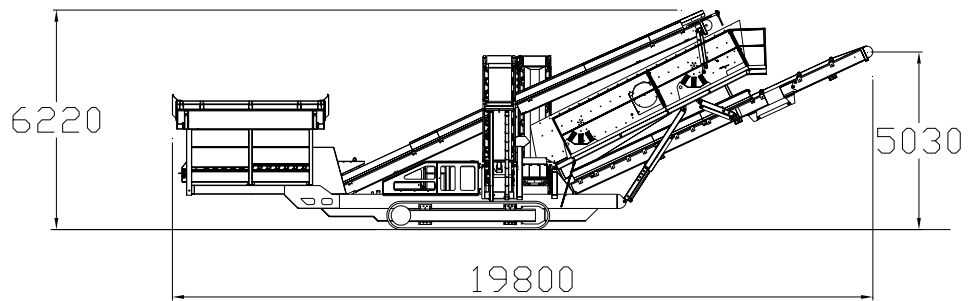


TECHNICAL DETAILS:

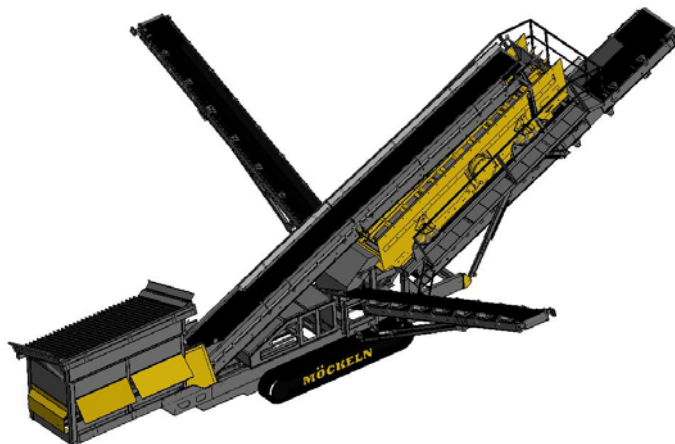
MS2600 – Working Rear Elevation



MS2600 – Working Side Elevation

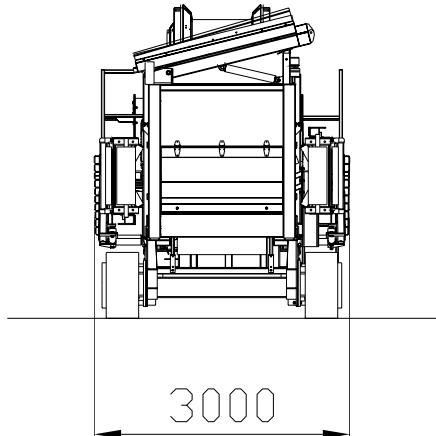


MS2600 – Working 3D Side Elevation

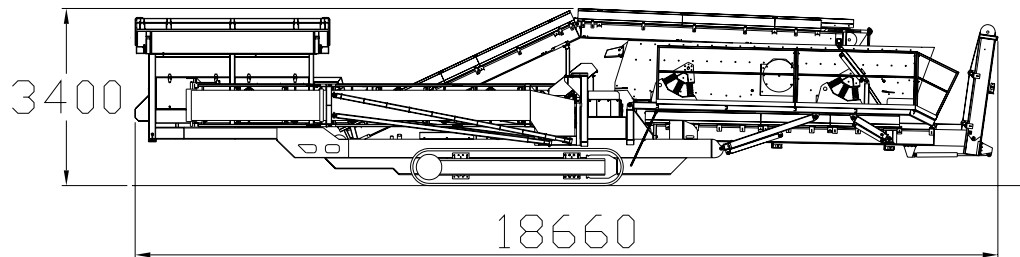


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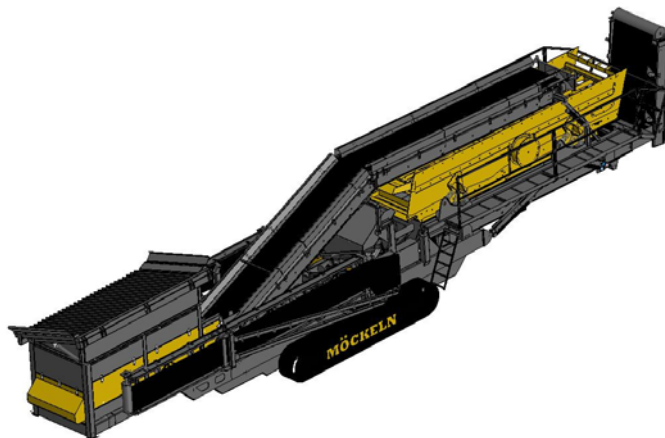
MS2600 – Transport Rear Elevation



MS2600 – Transport Side Elevation



MS2600 – Transport 3D Side Elevation



TECHNICAL DETAILS:**APPROXIMATE OVERALL PLANT DIMENSIONS**

Operating Length:	19800mm
Operating Height:	6220mm
Operating Width:	17590mm
Transport Length:	18660mm
Transport Width:	3000mm
Transport Height:	3400mm
Transport Weight:	36,500kgs
Fines Conveyor Feed Out:	5030mm
Side Conveyor Feed Out:	4800mm
Feed Belt Width:	1000mm
Side Belt Width:	800mm
Fines Belt Width:	1200mm
Hopper Feed In Height:	3800mm (with Grid)
Hopper Feed in Width:	4380mm (with Grid)
Hopper Capacity:	7m3

Paint Finish:

The main machine paint is finished in RAL 7024 – Graphite Grey.
The tracks, canopies, handrails and ladders are finished RAL 1007 – Yellow.

Important Notice:

Specifications are correct at time of going to print, however due to continual product development amendments may be made without notification.