Specialist Manufacturers of Quarry, Mining & Recycling Equipment

Irish Manufacturing Services Limited
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IMS was formed in 2010 by a team of individuals with a wealth of experience in designing and manufacturing equipment for the mining, quarrying, recycling and materials handling industries.

The company is based in Northern Ireland, in a region renowned worldwide for its expertise in producing high quality, cost effective equipment for the world market.

IMS operate from a purpose build factory to ensure efficient and quality manufacturing processes and to provide a reliable service to their ever increasing customer base.

IMS have developed design and manufacturing partnerships with a number of large international supply companies and also offer bespoke solutions where standard production line equipment does not fit the end customer requirements. This twin strategy approach of working with partners with specialist skills at the same time as providing custom built equipment when required ensures a win-win solution for the end customer.

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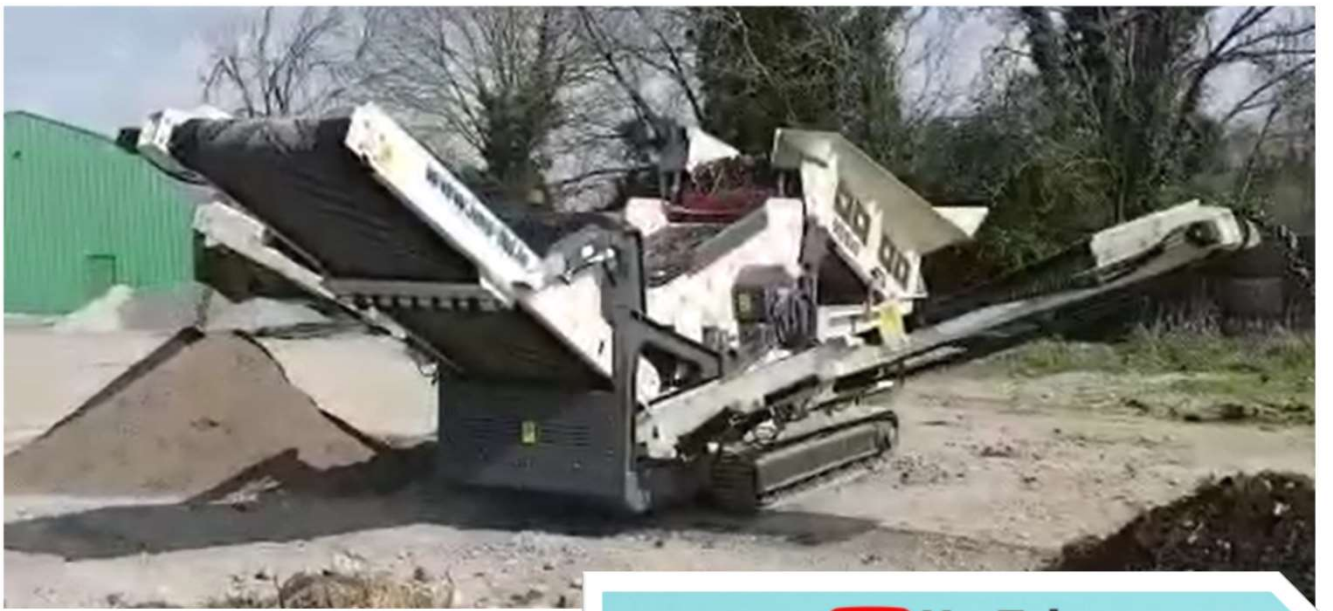
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MS104T

Track Scalper

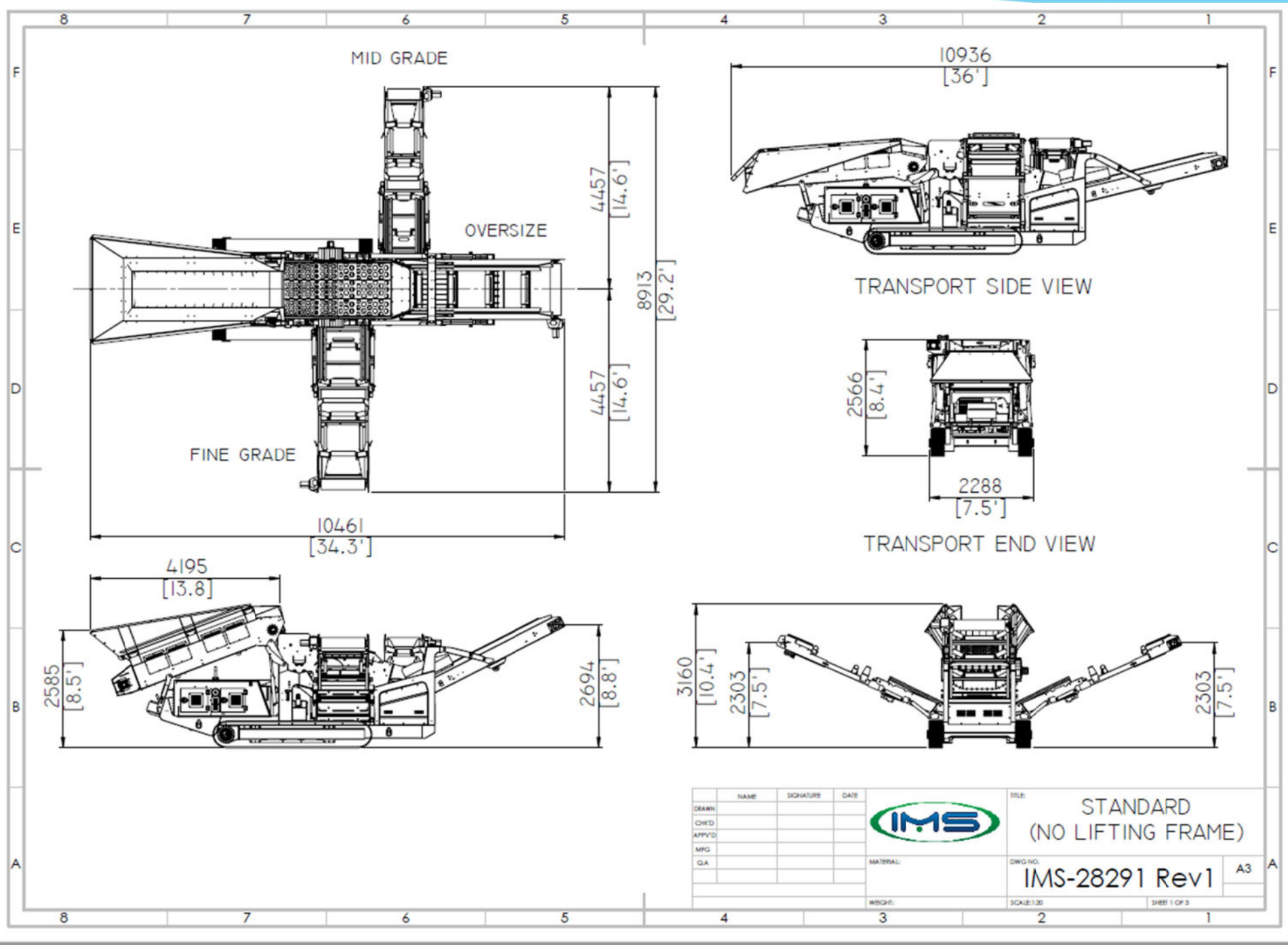




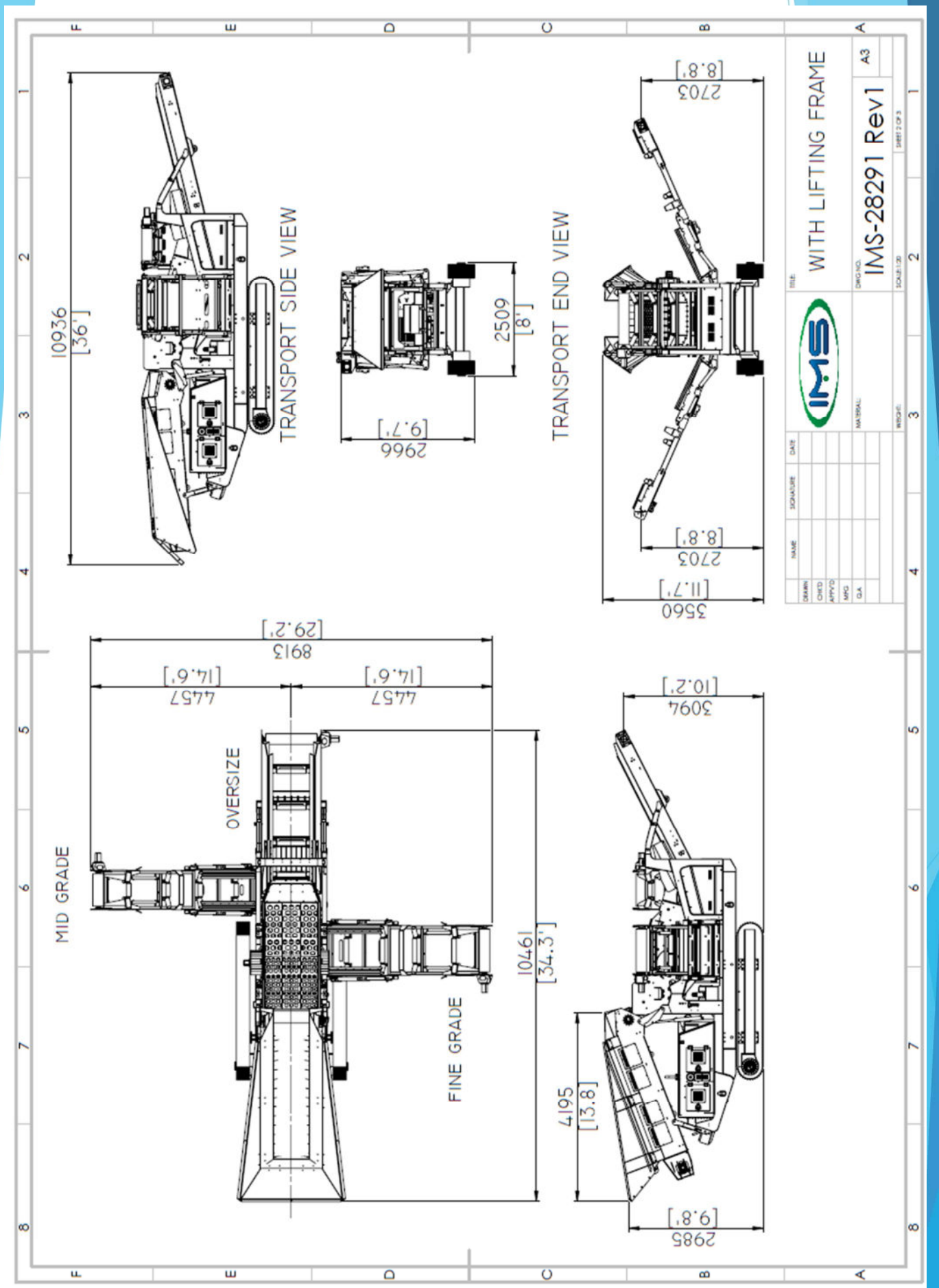
YouTube

SEARCH

IMS MS104T


MID GRADE
OVERSIZE
FINE GRADE
4457
[14.6']
8913
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4457
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10461
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10936
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DATE
DRAWN
CHK'D
APPV'D
MFG
Q.A
MATERIAL:
WEIGHT:
TITLE:
STANDARD
(NO LIFTING FRAME)
DWG NO.
IMS-28291 Rev1
A3
SCALE:1:20
SHEET 1 OF 3

Lift Frame Option



MS104T Three Way Mobile Scalping Screen, the flexible screening machine, aimed at small to medium sized operators who require a high performing, heavy duty, versatile machine that remains easy to transport.

Features and Benefits.

6 Yd (4.6M)Hopper with Variable Speed 40 inch (1000mm) Belt Feeder

10’ x 4’ 2” (3050mm x 1250mm) Double Deck screen with capacity up to 300 tph (depending on material type, feed size and screen media selection)

Caterpillar C2.2 74HP (55kW) T4F/Stage V Diesel Engine

Sauer Danfoss Hydraulic Motors

Hydraulic folding wing conveyors

Containerised for transport





Specification.

Total Weight:	31900lbs (14500kgs)
Working Width:	29’6” (9m)
Working Height	10’ 3” (3.12m)
Screen Size:	10’ x 4’ 4” (3050mm x 1250mm)
Diesel Power:	75HP (55KW) Tier 4F (USA) /Tier 5 (Europe)
Transport Width:	8’ 5” (2.56m)
Transport Height:	7’ 6” (2.3m)
Transport Length:	34’ 5” (10.5m)

OPTIONS.

Choice of Meshes
Punch Plate
Raise Frame





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MS842W

Mobile Screen





YouTube

SEARCH

IMS MS842W

8' x4' (2.4 m x 1.2 m) 4-Bearing Screen
The unique end to end crowning of the 8' x 4' (2.4 m x 1.2 m) MS842W screen box allows for higher production and more efficient separation than similarly sized flat screens.

On-Board Stockpiling Wing Conveyors
The on-board stockpiling conveyors allow for fast set up times by eliminating the need for off plant stacking conveyors. The self cleaning wing conveyors have a folding mechanism that provides a compact profile for transport while providing a stockpile height of 14'3" (4,3 m).

Wing Conveyor Variable Speed Drive
The top screen deck wing conveyor hydraulic system allows the user to adjust the speed of the conveyor to control rollback of material providing for a safer and more efficient operation.

On-Board Product Conveyor
The folding mechanism of the on-board product conveyor allows for fast set up. It also provides a compact profile for transport, added strength, and a stockpile height of 3.8 m (12'6").

Maintenance Platform
The maintenance platform on the MS842W extends across the rear portion of the screen and provides easy access to the screen panels for screen mesh replacement. Ladders with handrails are installed on both sides of the MS842W for access to the maintenance platform and to the remote screen bearing lubrication points.

Emergency Stop System
Every MS842W is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.

Remote Control Tipping Grid
The optional remote control tipping grid function of the MS842W allows the operator to operate the screening plant from the seat of his loader or excavator increasing operator efficiency and plant production.

Standard Features

Remote control heavy duty tipping grid
Two-deck, four bearing 8' x 4' (2.4m x 1.2m) screen box
Hydraulic folding wing conveyors
Maintenance ladders and platform provides access to three sides of screen box
On site towing bar
Hydraulic Jack legs
Remote screen box greasing
Acoustic engine canopy
Emergency stop system
Hydraulic oil cooler
Light systems either 12v or 24v depending on destination

Options

Shredder with manganese hammers for abrasive materials and Alternative Cutting blades for peat, topsoil or mulch applications
ABS brakes
Washing option including top deck rinse bars and sandbox (image below)



Specifications

Operational length	15.4M (50’6”)
Operational height	4.4M (14’7”)
Hopper capacity	6.9 cubic yds (5,3 cubic metres)
Loading height	3.3M (10’8”)
Loading width	3.8M (12’6”)
Hydraulic tank capacity	362 l (96 gal)
Diesel fuel capacity	151 l (40 gal)
Engine	Liquid Cooled
Engine power (horsepower)	74 kw (100 Hp)
Screen box size	2.4m x 1.2M (8’ x 4’)
Screen box type	4 bearing
Towing arrangement	Fifth wheel
Brakes	Tractor air braking system t
Transport width	2.5m (8’2”)
Travel height	3.9m (13’0”)
Transport length	13.1M (43’0”)
King Pin weight	3680 kg (8096 lbs)
Total weight	13700 kg (30203 lbs)

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MS841W

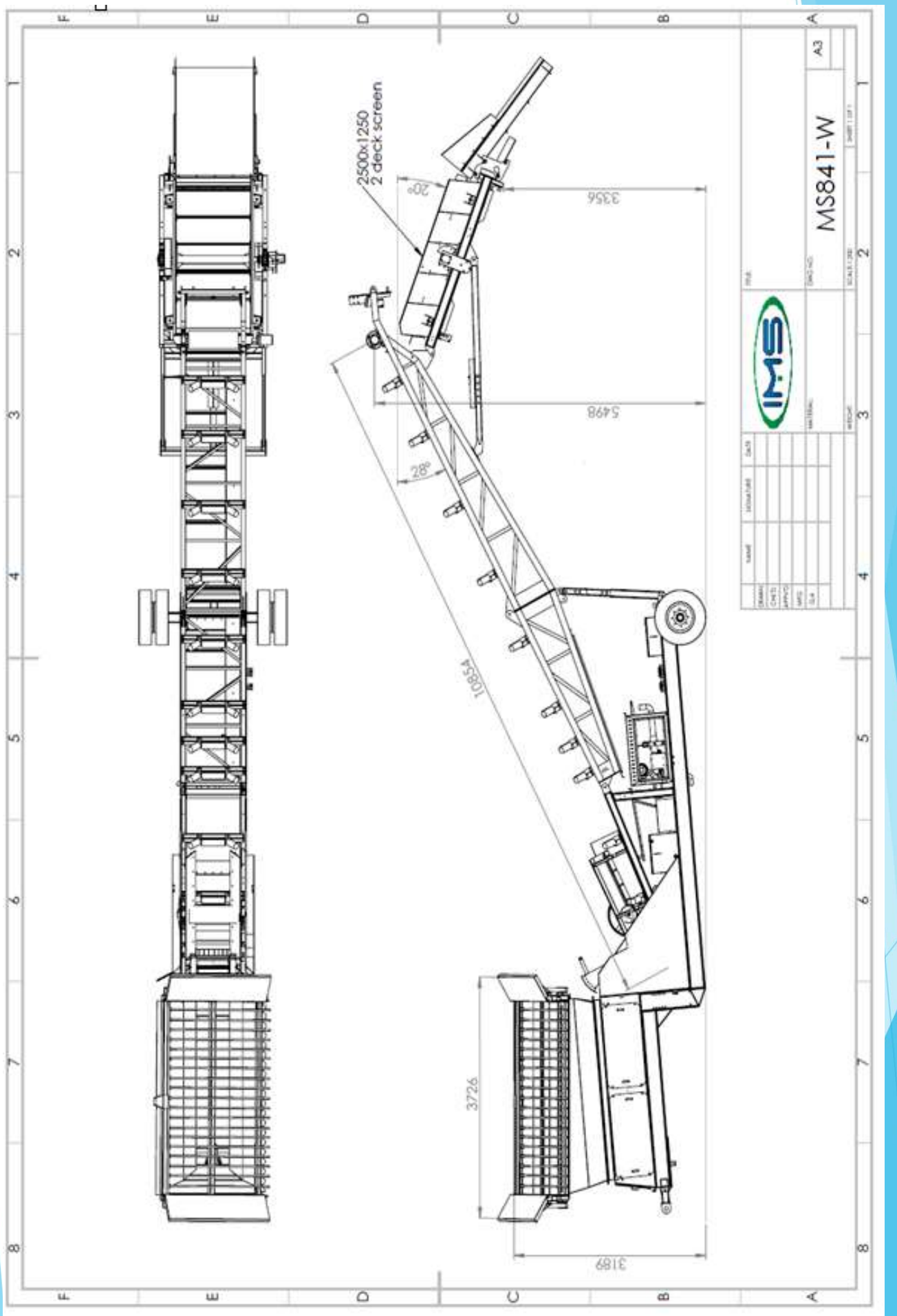
Mobile Screen



YouTube

SEARCH

IMS MS841W


2500x1250
2 deck screen
20°
3356
5498
28°
10854
3726
3189
MS841-W
A3

Features and Benefits

7 Yd (5.3M)Hopper with Variable Speed Belt Feeder and Remote Tipping Grid
Maximum Feed Size 6”
8’ x 4’ Double Deck 4 Bearing screen with end tensioned meshes
Capacity up to 250 tph (depending on material type, feed size and screen media selection)
Diesel Hydraulic Drive to latest emission standards
Alternative Electric Hydraulic Drive
Fifth Wheel Towing with transport wheels and axle
Site Towbar for localized movement with site equipment

Specification

Total Weight:	20000lbs (9100kgs)
Transport Length:	53’0” (16.15m)
Transport Width:	7’3” (2.2m)
Transport Height:	12’6” (3.8m)
Working Length:	57’0” (17.4m)
Working Width:	7’3” (2.2m)
Working Height	16’ 6” (5.03m)
Screen Size:	8’ x 4’ (2500mm x 1250mm)
Diesel Power:	50HP (37KW) Tier 4F (USA) /Tier 5 (Europe)
Electric Power:	50HP (37KW)







Hopper and Grid
Capacity 7 cu yd. (5.3cu M)
Remote Control Tipping Grid
Grid Spacing 4” (100mm), 5” (125mm), 6” (150mm)
Single Bar Grid for easy replacement
Feed In Height 10’6” (3.2m)
Target Area 12’3” x 6’0” (3.7m x 1.8m)

Belt Feeder
30” (750mm) 2 ply plain belt
Danfoss Direct Drive Hydraulic Motor
Variable Speed Control

Main Conveyor
30” (750mm) 2 ply plain belt
Danfoss Direct Drive Hydraulic Motor
Manual

Screenbox
8’ x 4’ (2500mm x 1250mm) Incline Double Deck 4 bearing screen
End Tensioned Meshes
Manual Screen Tensioning
Manual Screen Angle Adjustment

Power Unit
50HP (37KW) Diesel Engine (Tier 4F (USA) / Tier 5 (EC)
Fuel Tank 35 gallon (160 litres)
Hydraulic Tank 50 gallon (220 litres)
Tandem 2PL 070 Hydraulic Pump

Axle and Wheels
Single Axle non-braked with Twin 7.50 x 8 stud Wheels

Options

Electric Hydraulic Powerpack
3 Deck Screen
Single Shaft Shredder with hammers or flails
Braked Axle
Light Board
Magnet
Rinse Bars and Rubber Lined Sandbox
Anti Rollback Brackets
Chevron Belt

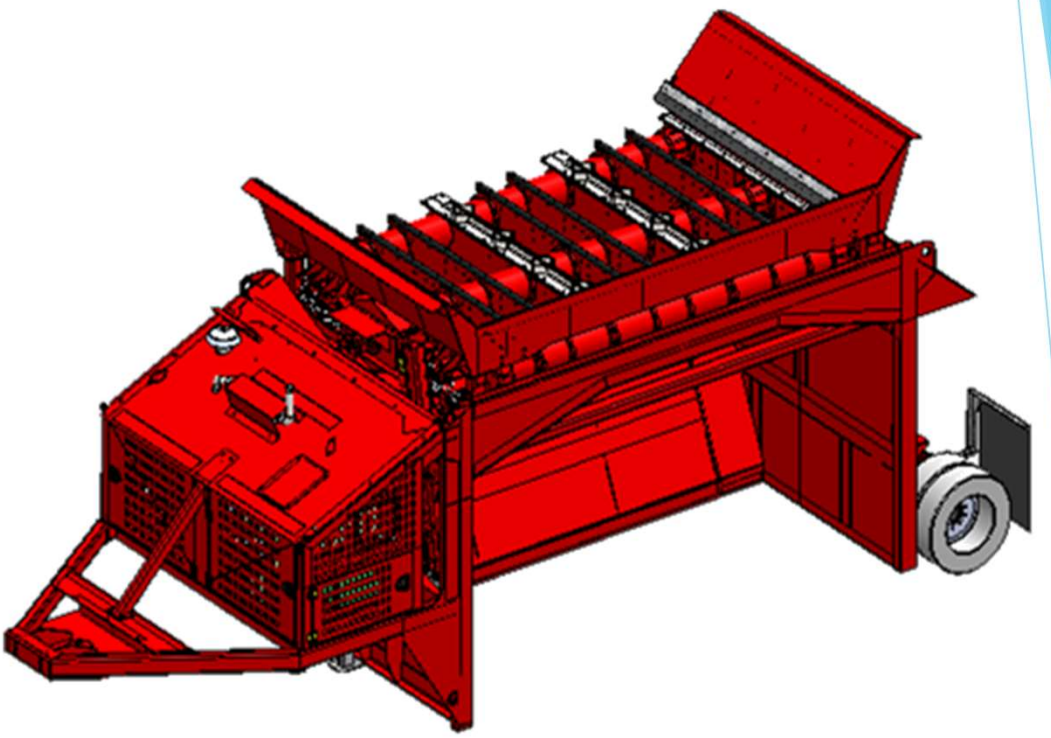


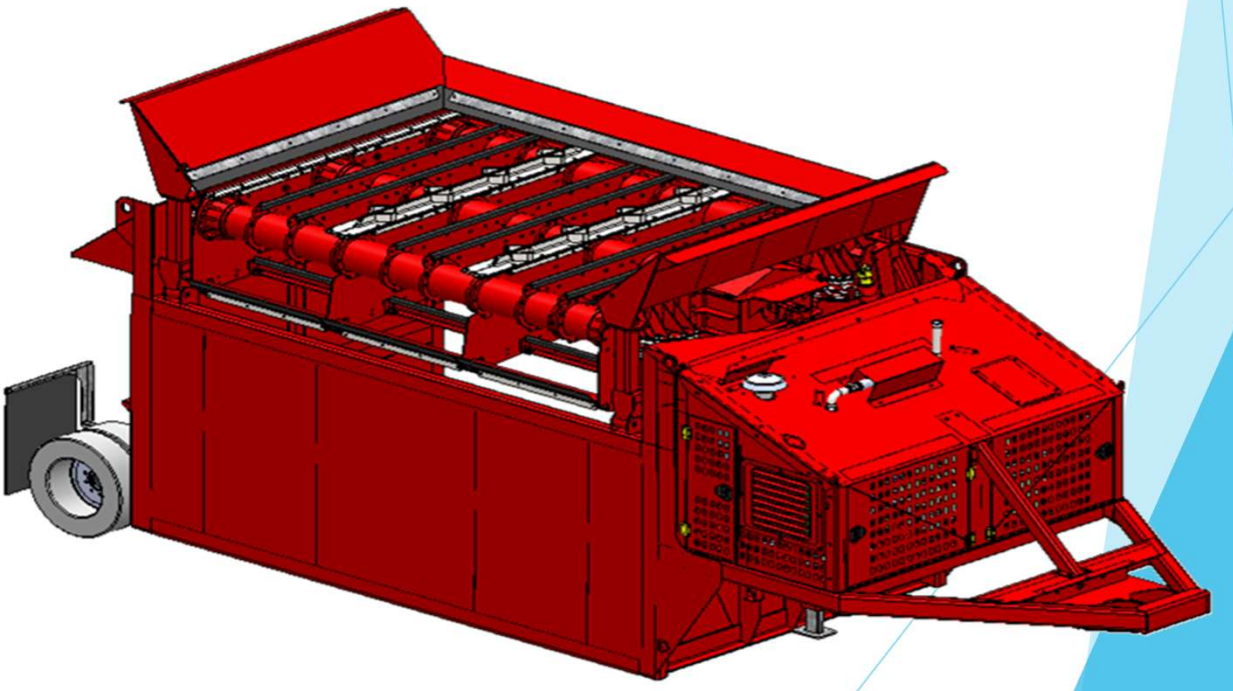
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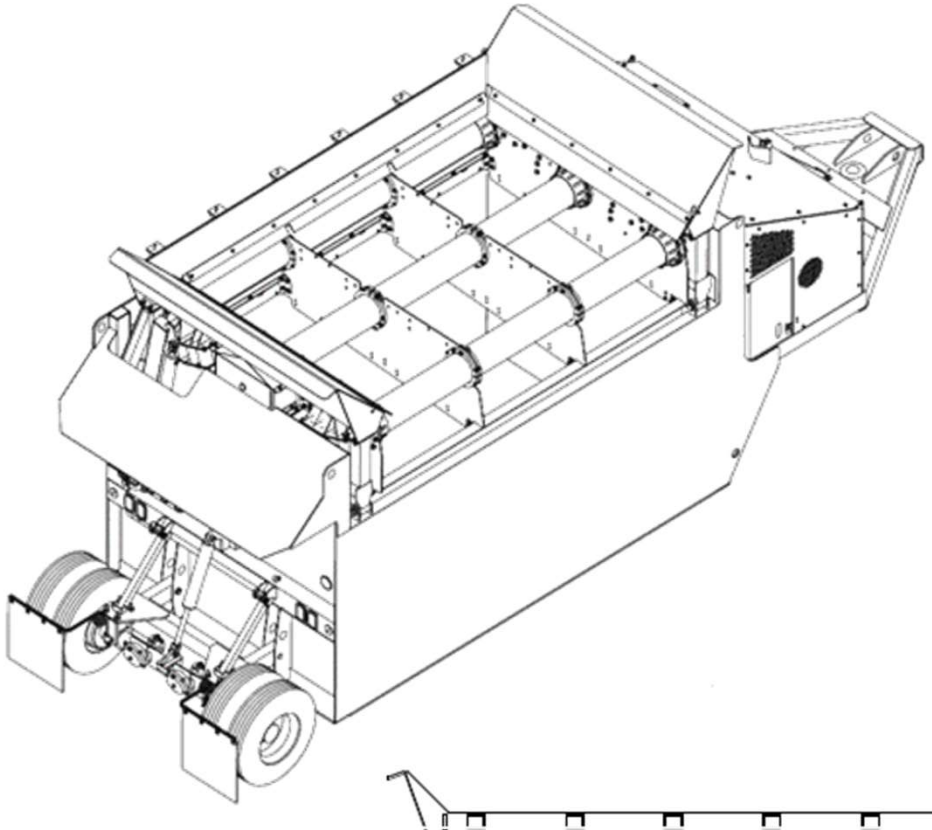
RD100

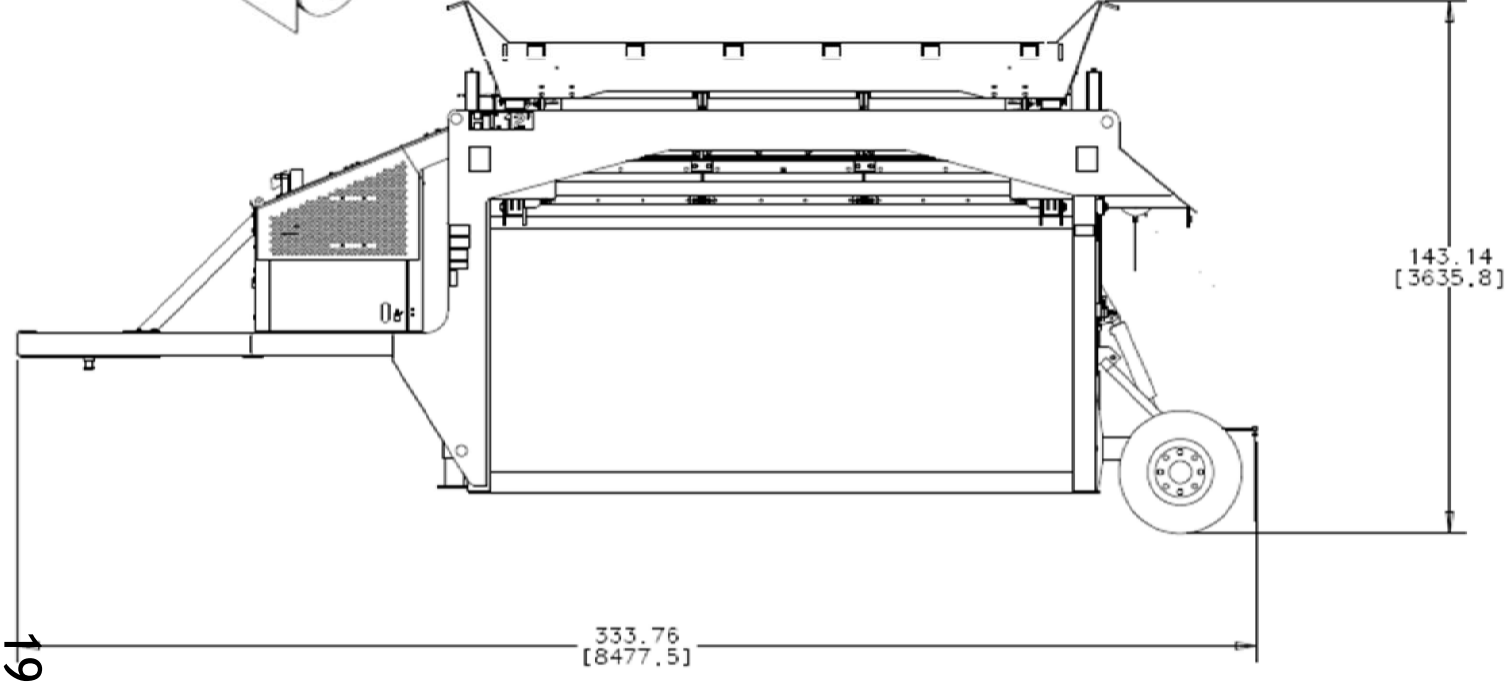
Mobile Screen

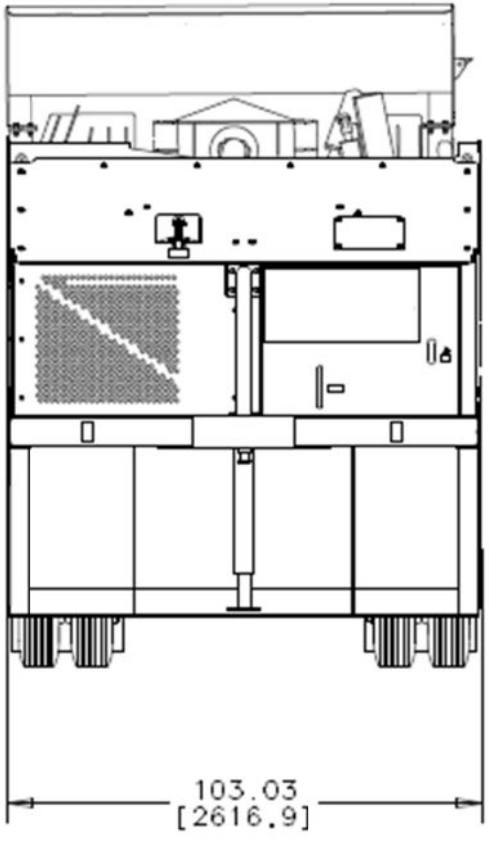




RD100







RD100 Mobile Screen provides contractors with a simple to use, compact, and highly reliable screening plant that can handle a wide variety of materials. Contractors save money by screening material on the job site, thus reducing handling and tipping costs.

Features and Benefits.

11’ wide x 7’ double deck shaker grid, 13’-2” width

Shaker head runs forward and in reverse rotation

Shaker head tilts up for cleaning and optimal screening

Works with 4 to 7 yard buckets, ¼” to 4” wire or punch plate

Hydraulically adjustable angle on grid with minimum loading height of 11’-3”

Caterpillar C1.7 Stage V/T4F Diesel engine with 50HP no DEF required

9” X 17.5” rims with tires, brakes and LED lights



Specification.

Total Weight:	15000lbs on axle
	11500lbs on King Pin
Transport Width:	8’ 6”
Transport Height:	10’ 11”
Transport Length:	27’ 7”



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PM 1050-16TB

Track Pugmill



YouTube

SEARCH

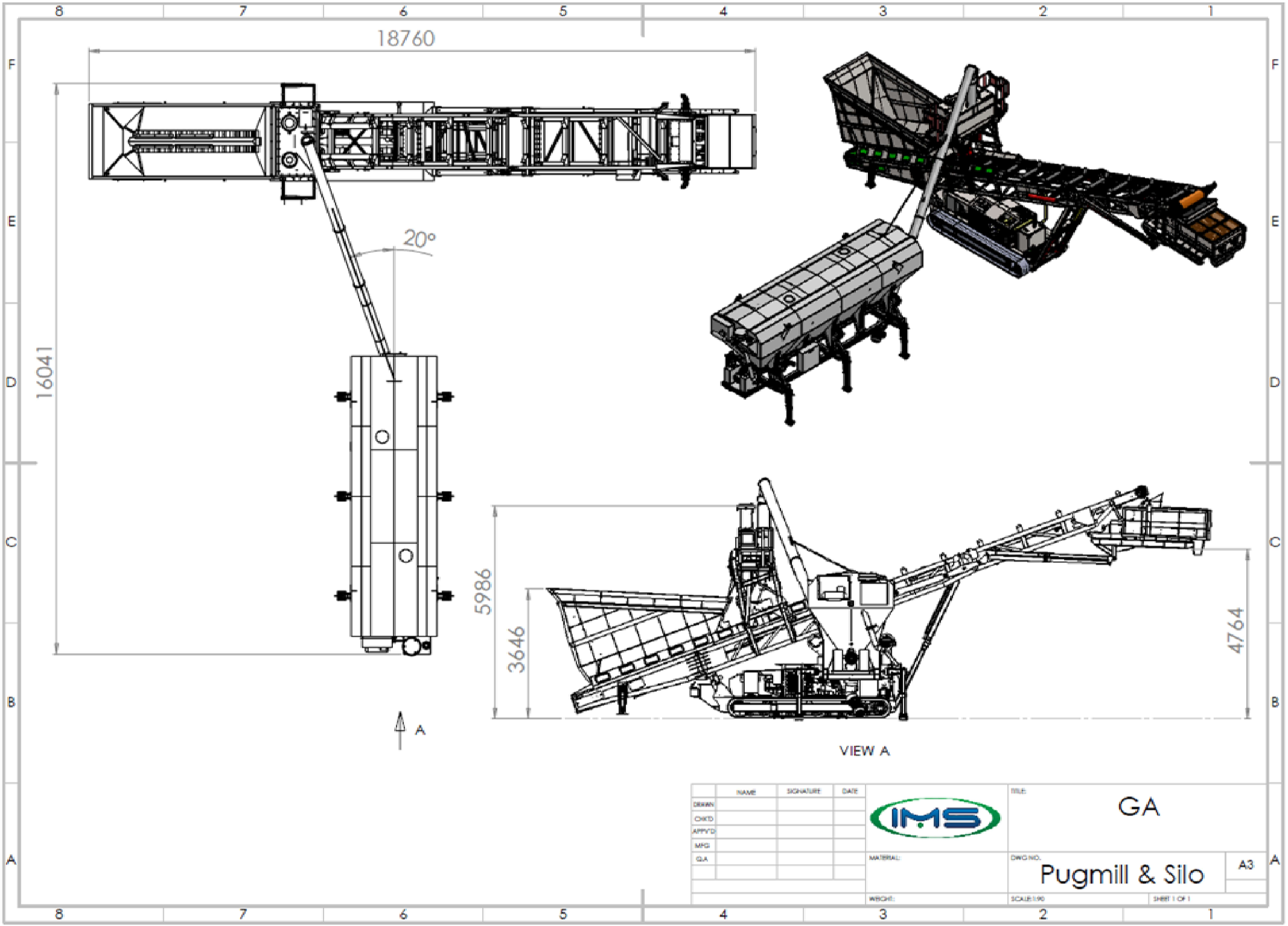
IMS PUGMILL

The PM1050-16TB, the ideal solution for jobs that require high production material blending and mixing with the added bonus of a stockpiling facility








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MATERIAL:
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DWG NO.
Pugmill & Silo
A3
SCALE:1:90
SHEET 1 OF 1

Conveyor

The conveyor is constructed in 3 latticed angle sections , the tail section includes a generous 8m³ feed hopper and the head section includes the conveyor drive, consisting of twin Sauer-Danfoss hydraulic motors coupled to a rubber lagged drive pulley



Diesel-Hydraulic Power Unit

The conveyor is powered by a 75kw liquid cooled Diesel Engine coupled to a hydraulic pump giving sufficient oil flow to drive the conveyor at maximum output, to provide the drive for the Pug Head, to operate the crawler tracks, and to operate the various hydraulic cylinders

Undercarriage

The undercarriage consists of the hydraulically operated crawler tracks together with an adjustable support trestle arrangement, which allows variation in both feed and discharge heights

Pug mill

The Pugmill is designed with Twin Mixer shafts for anti-surging and high production material blending. Each shaft is fitted with replaceable 500 grade Paddle tips rotatable through 180° to equalize wear. The Pugmill drive consists of a hydraulic piston motor directly coupled to a Chain Final Drive to give fixed output speed of 470rpm.

Hydraulic Folding Mechanism

The folding mechanism of the conveyor head and tail sections allow for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational

Emergency Stop System

Every PM1050-16TB Track Pugmill unit is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.

Standard Features

Crawler Track Movement with Dog Lead Control

75 kw Diesel-Hydraulic Drive

1050mm (42”) wide 3 ply belt

Hydraulic Folding on Pugmill

Hydraulic Folding of Head Section

Hydraulic Raise and Lower

Hydraulic Adjustment of Tail Section for transport on Low Loader

Water Header Tank

Additive Chute

Wash facility for Pugmill Mixer

Volume Range: 50-500tph
Additive Range: 1%-20%*

Options

Detachable Cement Weigh Hopper

PLC System

Dual Power: Electric & Diesel / Hydraulic Power Unit

Hopper Hardox Wearplates

Remote Start/Stop

Tier 3 Engine ROW

Tier 4 Engine USA

Tier 5 Engine- EC and UK

Static Pugmill, all electric



* Dependant on Volume

Specifications

Operational Length	18M” (60’)
Operational Height	5M” (16’4”)
Loading Height	2.87M (9’ 6”)
Hydraulic Tank Capacity	377 l (83 gallon)
Diesel Fuel Capacity	216 l (48 gallon)
Engine	four Cylinder Liquid Cooled
Transport Width	2.25M (7’ 4”)
Transport Height	3.5M (11’ 6”) Low Loader
	2.546M (8’ 4”) Container
Transport Length	13.5M (44’ 3”) Low Loader
	12.0M (39’ 4”) Container
Total Weight	19680 kgs (43296 lbs)



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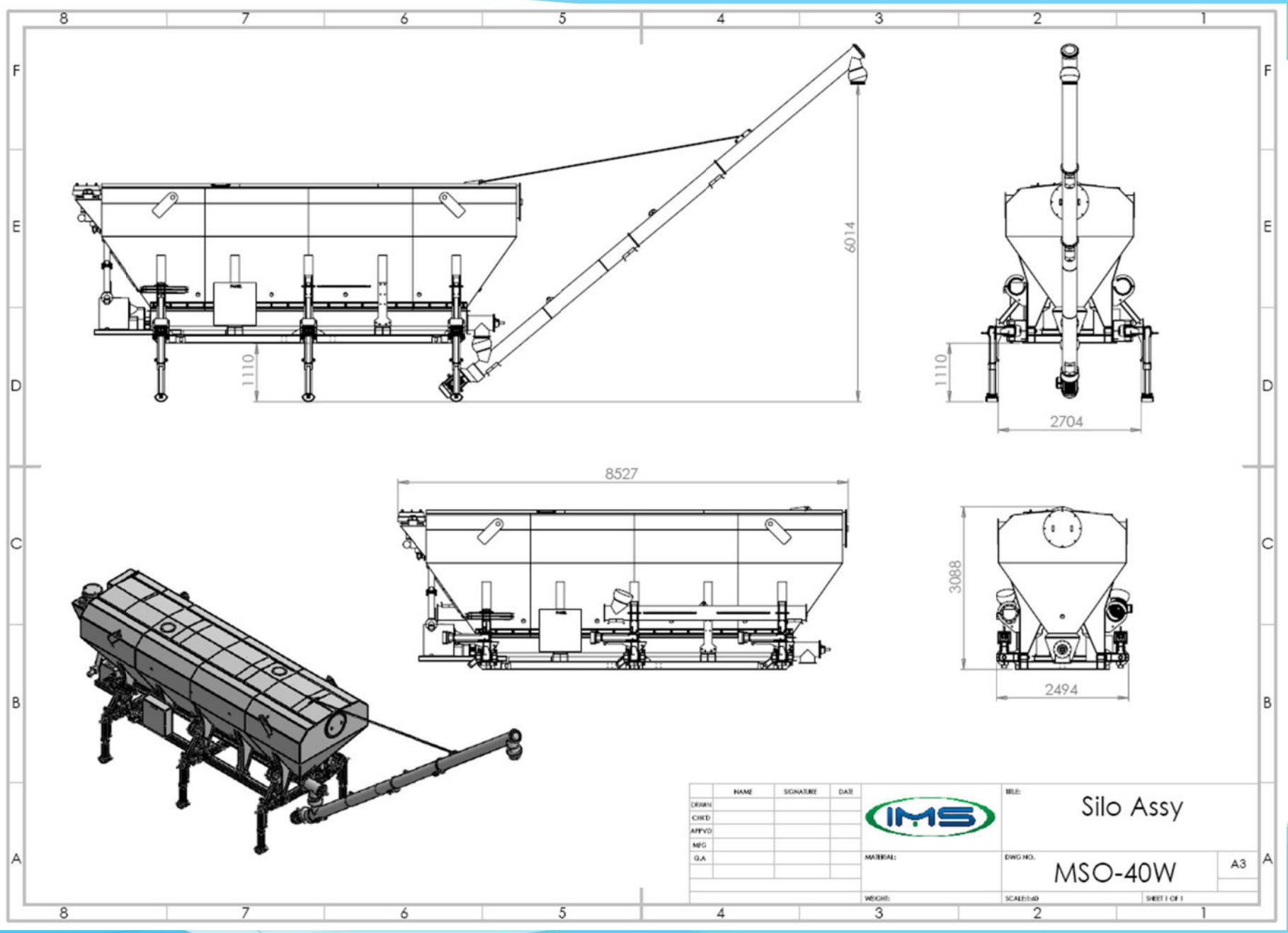
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MSO-40

40 Tonne Silo






6014
1110
1110
2704
8527
3088
2494
Silo Assy
MSO-40W
A3

Standard Features

40 Tonne Silo

Static Unit

Manual Jacklegs

Options

Mobile Unit

50 kVA Diesel Generator

Specifications

Discharge Height	6.014M (19’8”)
Operational Height	4.2M (13’8”)
Operational Width	2.5M (8’ 3”)
Operational Length	8.6M (28’3”)
Transport Height	3.1M (10’2”)
Transport Width	2.5M (8’ 3”)
Transport Length	8.6M (28’3”)
Weight	8000 kg (17637 lbs)

BP1200-9TB

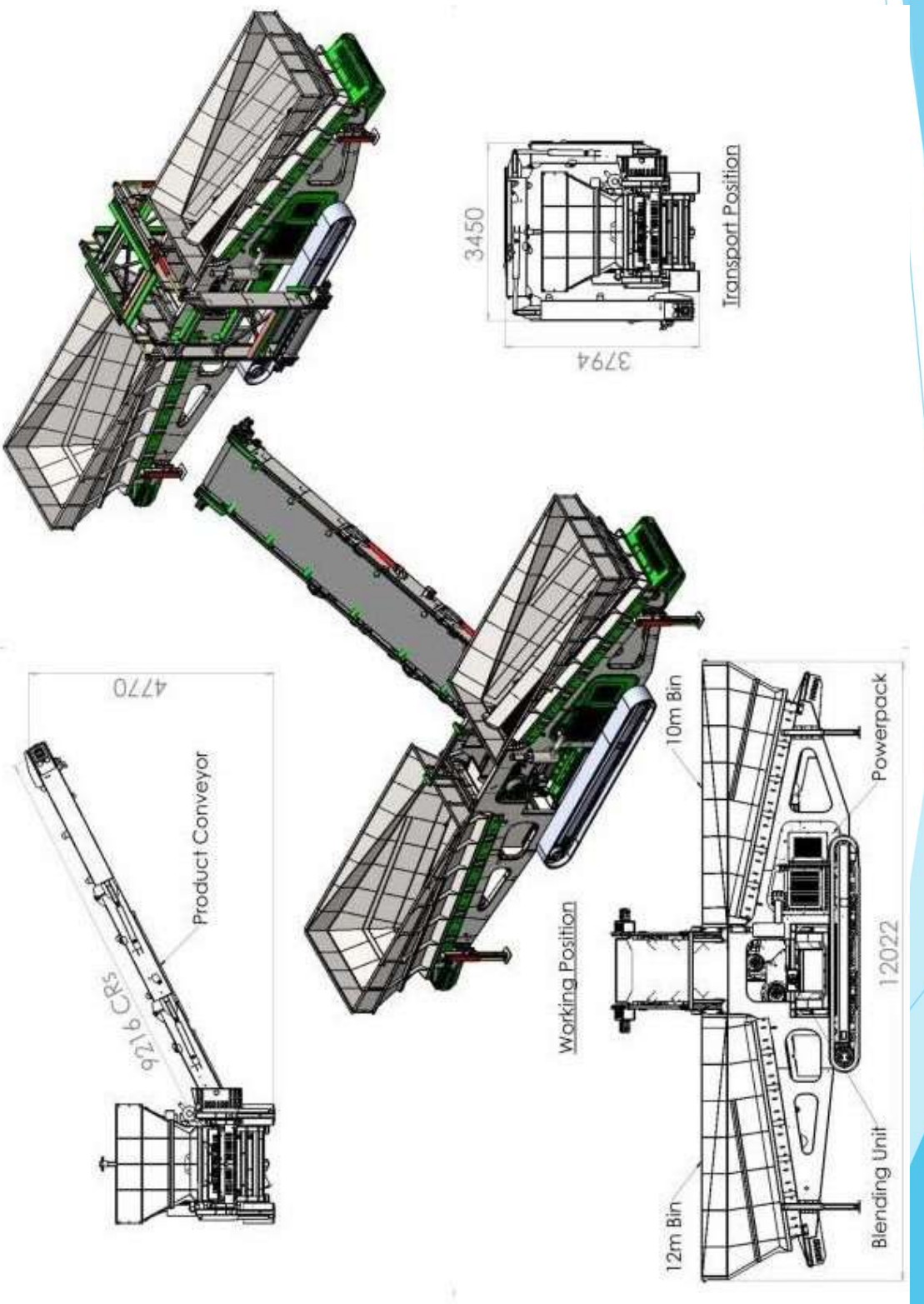
Mobile Blending Plant



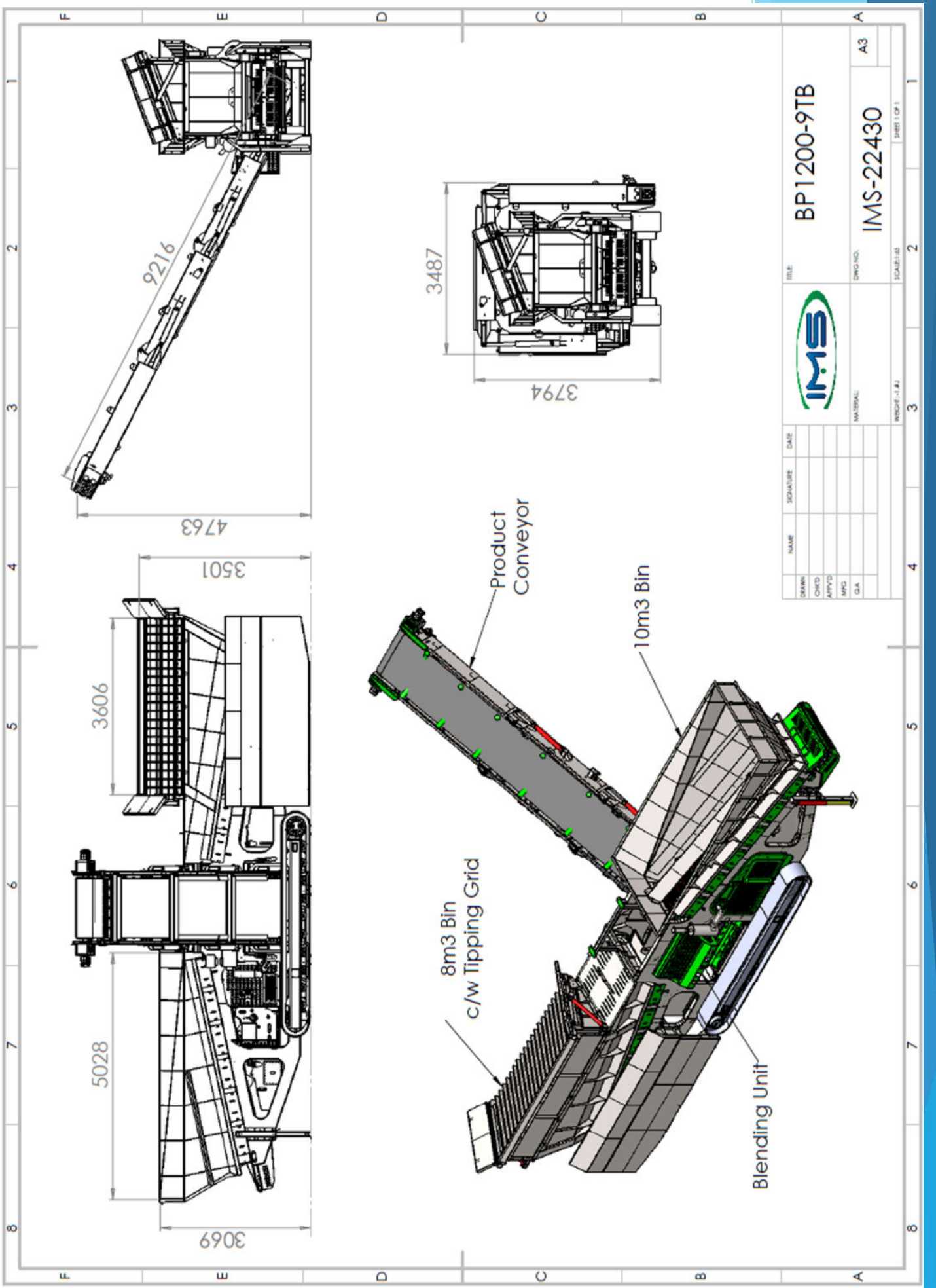




The BP1200-9TB Mobile Blender has been developed by IMS to meet the many applications where blending of material is essential. It can be used in applications where high volumes are required and is capable of producing up to 1000tph of blended material. Where more refined mixing is required, the unit is equipped with a mixing chamber with rotating mixer shaft to thoroughly blend mulch, topsoil, sand, etc. for use in lawn development, golf courses, and similar applications



Tipping Grid Option



Feed Hoppers
12cbm and 10cbm capacity feed hoppers located adjacent to each other to accept material from loading shovels. Hoppers fitted with 1000mm wide belt feeders placed strategically to allow discharge from 10cbm hopper to feed directly on top of discharge from 12cbm hopper. Both Feeder Belts equipped with variable speed control to allow operator to define material ratio from each bin.

Undercarriage
The undercarriage consists of a robust modular type chassis fitted with 4500mm long crawler tracks. 4 No. Hydraulically operated support legs are provided to the 4 corners of the chassis to ensure stability when operational

Discharge Conveyor
1200mm wide x 9.2m long Discharge Conveyor capable of handling up to 1000tph of blended material. Conveyor fitted with heavy duty chevron belt and driven with 2 OMV630 hydraulic motors

Power Unit
Unit powered by a Diesel Engine with multiple hydraulic pumps to provide oil flow for the various functions. Power unit is adequately enclosed in suitable canopy with oil cooler and airflow to control the temperature inside the enclosure. Diesel and hydraulic tanks located adjacent to the Power Unit

Mixer/Shredder Unit
A hydraulic operated single shaft Mixer/Shredder unit is located centrally to accept the discharge from both feeders. This Mixer/Shredder is used when more refined mixing is required but can be moved out of line by hydraulic cylinder when large volume output is required

Controls
All the controls are centrally located and are easy accessible for the operator. The controls include the Engine Starter Panel, the solenoid engagement switches, the manual controls for the hydraulic cylinders, and flow control operation.

Emergency Stop System
Every BP1200-9TB track Conveyor is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator



Standard Features

12m³ and 10m³ Feed Hoppers

Variable Speed Belt Feeders

Crawler Track Movement

75kw Diesel Hydraulic Power Unit Engine

1200mm (48”) wide Discharge Conveyor

Hydraulic Folding of Conveyor for Transport

Hydraulic Support Legs for Operational Stability

Ultrasonic Run Empty Sensor, Flashing Beacon System

Pull Cord Emergency Stops

Options

Hydraulic Tipping Grid

Dust Covers over Discharge Conveyor

Belt Scales on Product Conveyor

Hardox Wareplates in Hoppers

Remote Stop/Start



Specifications

Operational length	12.02M (40’)
Operational height	4.77M (15’ 8”)
Loading height	3.1M (10’ 2”)
Hydraulic tank capacity	650 l (143 gallon)
Diesel fuel capacity	450l (100 gallon)
Engine	Caterpillar four cylinder liquid cooled
Transport width	3.45M (11’ 4”)
Transport height	3.8 M (12’ 5”)
Transport length	12.02M (40’)
Total weight	19400 kgs (42770 lbs)



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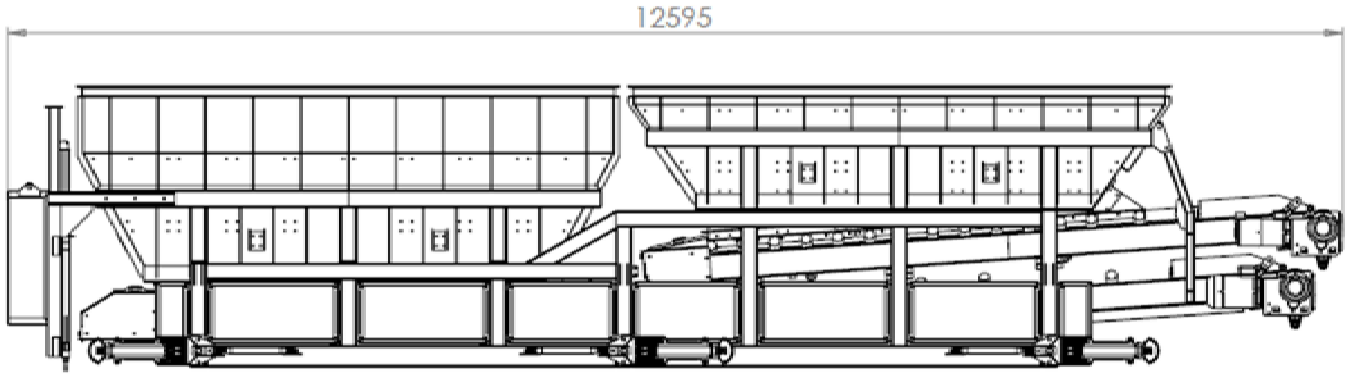
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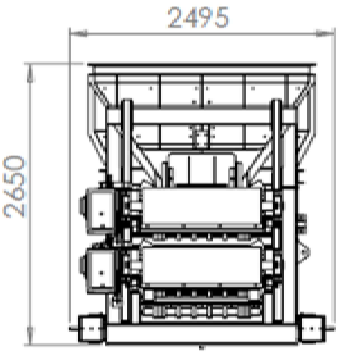
BP914-2BS

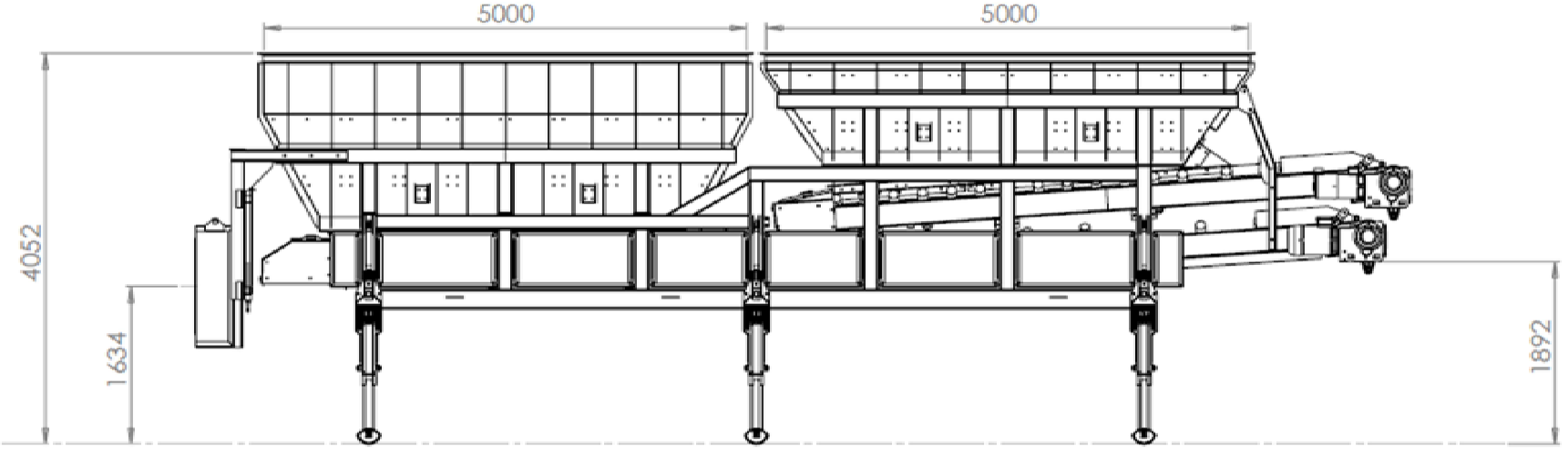
2 Bin Static Blending Plant

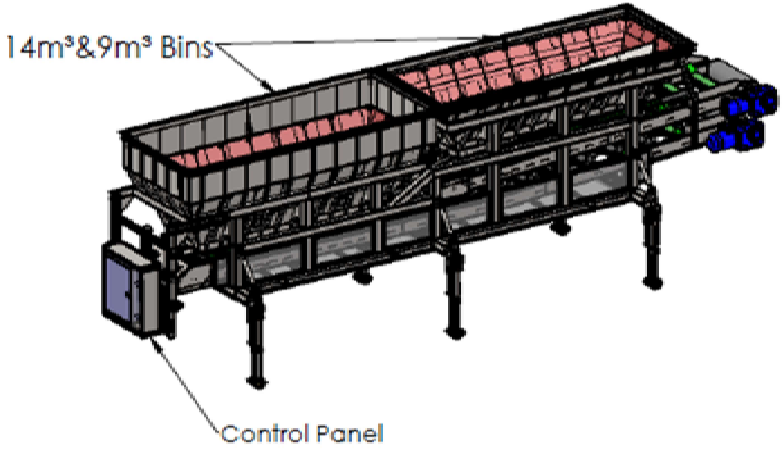












ITEM NO.	PART NUMBER	DESCRIPTION	Transport/QTY.
1	IMS-25230	Frame Assy	1
2	IMS-25432	Conveyor No1	1
3	IMS-25211	Conveyor No2	1
4	IMS-25217	Hopper No1	1
5	IMS-25225	Hopper No2	1
6	IMS-25439	Control Panel Mount	1

	NAME	SIGNATURE	DATE
DRAWN			
CHKD			
APPV'D			
MFG			
QA			

IMS

TITLE: Blending Bins

MATERIAL:

DWG NO. IMS-25200

A3

WEIGHT:

SCALE: 1:100

SHEET 1 OF 1

2 x Feed Hoppers constructed from 6mm MS plate. Hopper 1 has a capacity of cubic Metres and Hopper 2 has a capacity of 14 cubic Metres. Both Hoppers are 5m long at Feed point to facilitate Loading Shovel. Discharge from Hoppers via 1050mm wide Variable Speed Belt Feeders with adjustable opening to control material feed. Feeders driven by electric geared motor close coupled to rubber lagged drive pullies. Feeder fitted with heavy duty belt, impact rollers and variable speed control. Variable Speed Control facilitated by Inverters in the Electric Control Panel.

Complete unit to be mounted in modular type support framework with suitable lifting points

Electrical Control Panel mounted in folded plate type enclosure. Panel to include start/stop controls for Feeders and to include inverters for controlling speed of Belt Feeders. Additional space to be left for the option of Belt Weighers and controls for Discharge Conveyor.

Low Level Sensors are fitted in each Hopper to monitor the level of material. When the sensor is triggered, both Belt Feeders will stop simultaneously.

Emergency Stop System. The BP914-2BS is supplied with an emergency stop system which will render the machine inoperable when activated.

Guarding. All guarding of machines is carried out to the latest European standards and consequently the machine is labelled with the CE mark





OPTIONS

TIPPING GRID

Each Hopper can be fitted with a 3.6m long Hydraulic Tipping Grid. Bar spacing to be set at 75mm. Wing plates to be added to increase the width to 4300mm. Blanking plates to be added to top of Hoppers to close the additional space. Grids operated by 11kw electric hydraulic Power Pack with Remote control for Tipping function

BELT SCALE

Each Feeder can be fitted with a Mechtronics Belt Scale to enable precise weight of material transferred from each hopper

WEAR LINERS

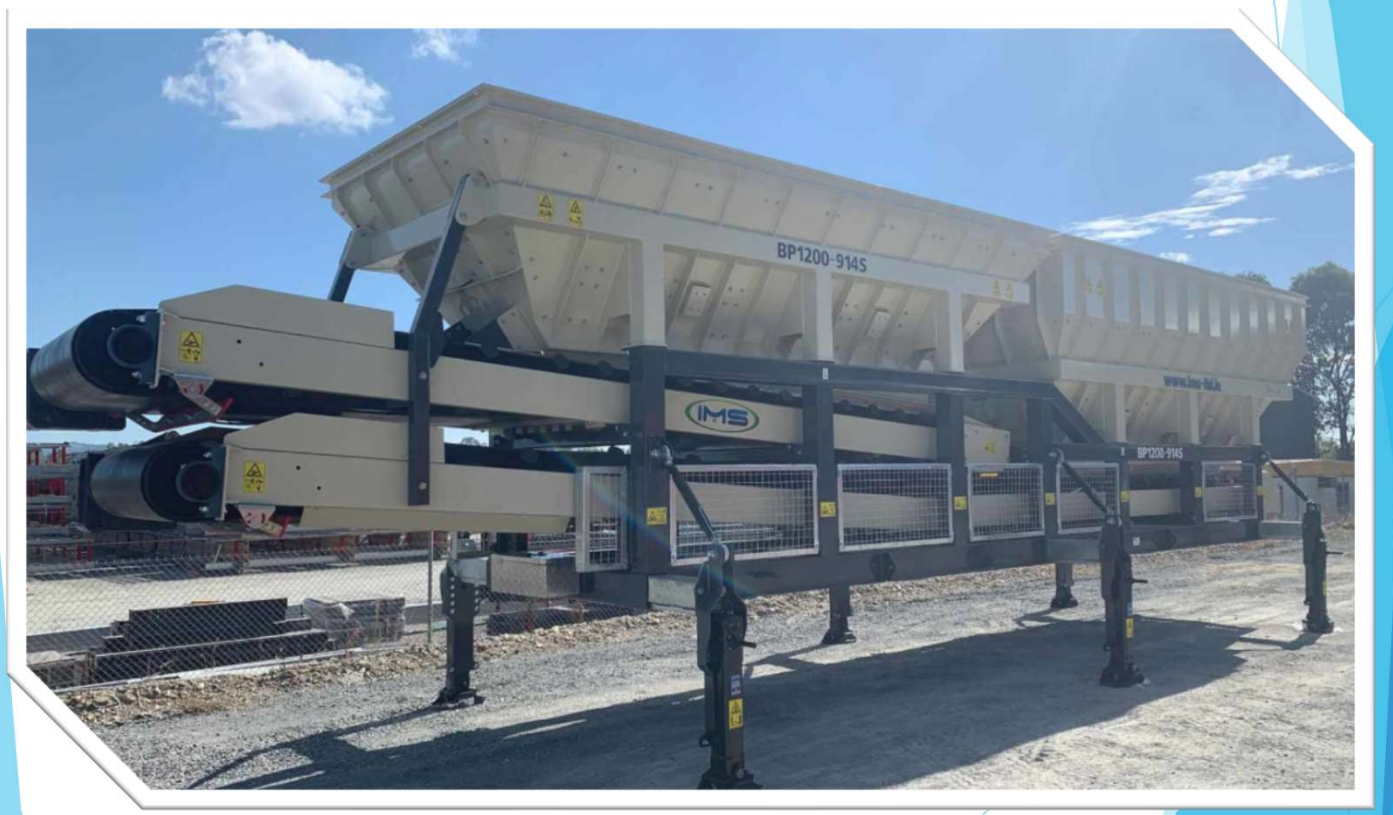
Replaceable 6mm Hardox Wear Liners can be fitted to both Hoppers to assist in abrasive applications

DISCHARGE CONVEYOR

20m Electrical conveyor with 1050mm Belt

AUGER MIXER

Rotavator to give the elements a rough mix



MC 1050-20TF

FEED TRACK CONVEYOR





A leading manufacturer of screening and conveyor equipment, offer the MC1050-20TF Feed tracked stacking conveyor, ensuring regular & consistent feed the MC1050-20TF is the ideal solution for jobs that require high production stockpiling or material transfer

Heavy Duty Construction

Constructed from 5mm thick MS plate designed in 500mm deep section to give added stability and to withstand the rigours of heavy duty operation.

Feed Hopper

8 cubic metre capacity feed hopper with 4.5m wide target area to accept most loaders. Hopper lined with 6mm MS wear plates.
1050mm wide belt feeder with impact rollers, heavy duty belt and variable speed control.

Discharge Conveyor

The conveyor is constructed in 3 sections , the tail section includes a standard reception hopper and the head section includes the conveyor drive , consisting of 2 Sauer-Danfoss hydraulic motors and rubber lagged drive pulley. The belt width is 1050mm and the overall length of the discharge conveyor is 20m.

Diesel-Hydraulic Power

The conveyor is powered by a 74 kw Diesel Engine coupled to a triple hydraulic pump giving sufficient oil flow to drive the variable speed belt feeder, the main discharge conveyor and the crawler tracks.

Undercarriage

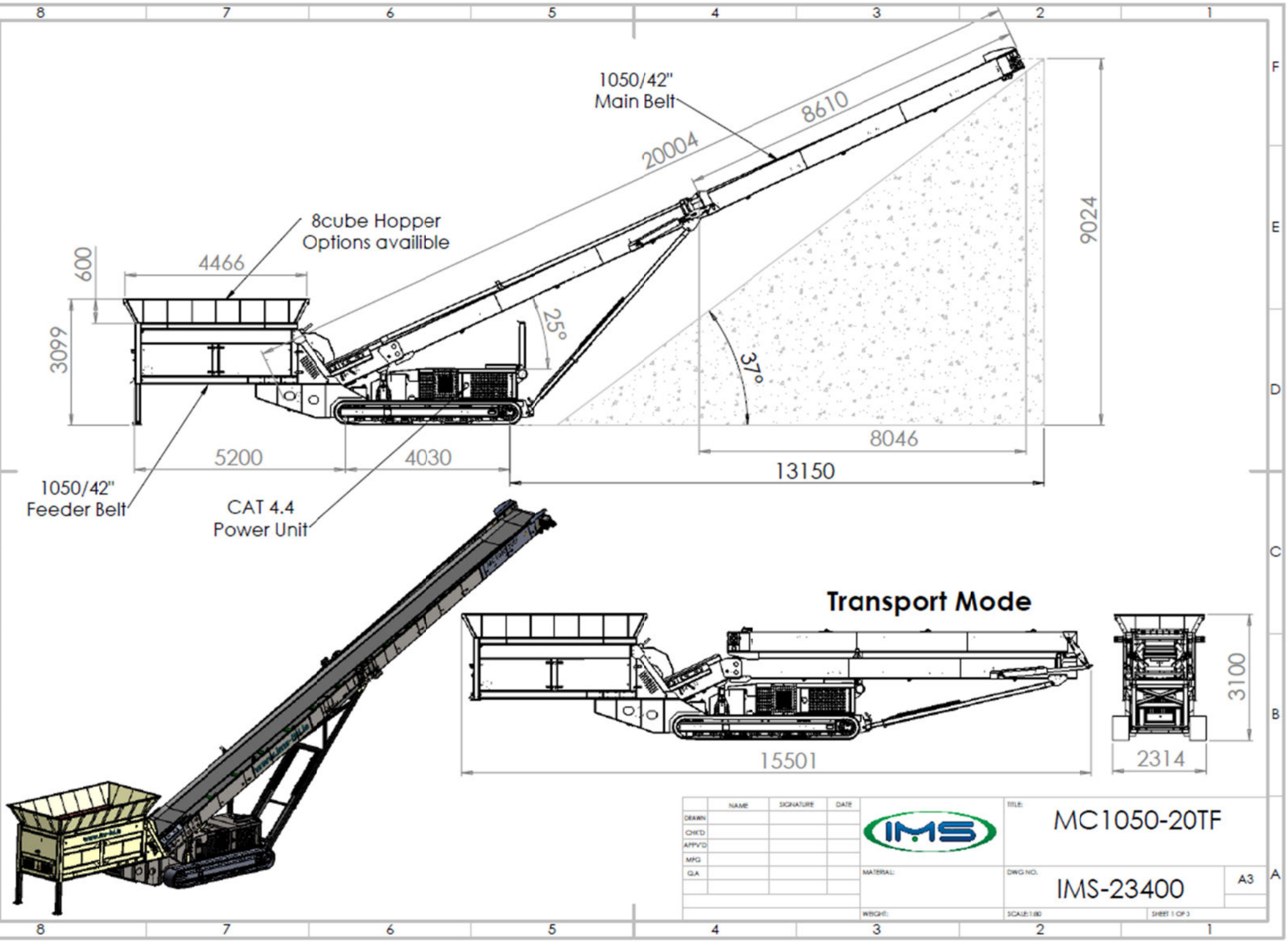
The undercarriage consists of the hydraulically operated crawler tracks together with an adjustable support trestle arrangement, which allows variation in both feed and discharge heights

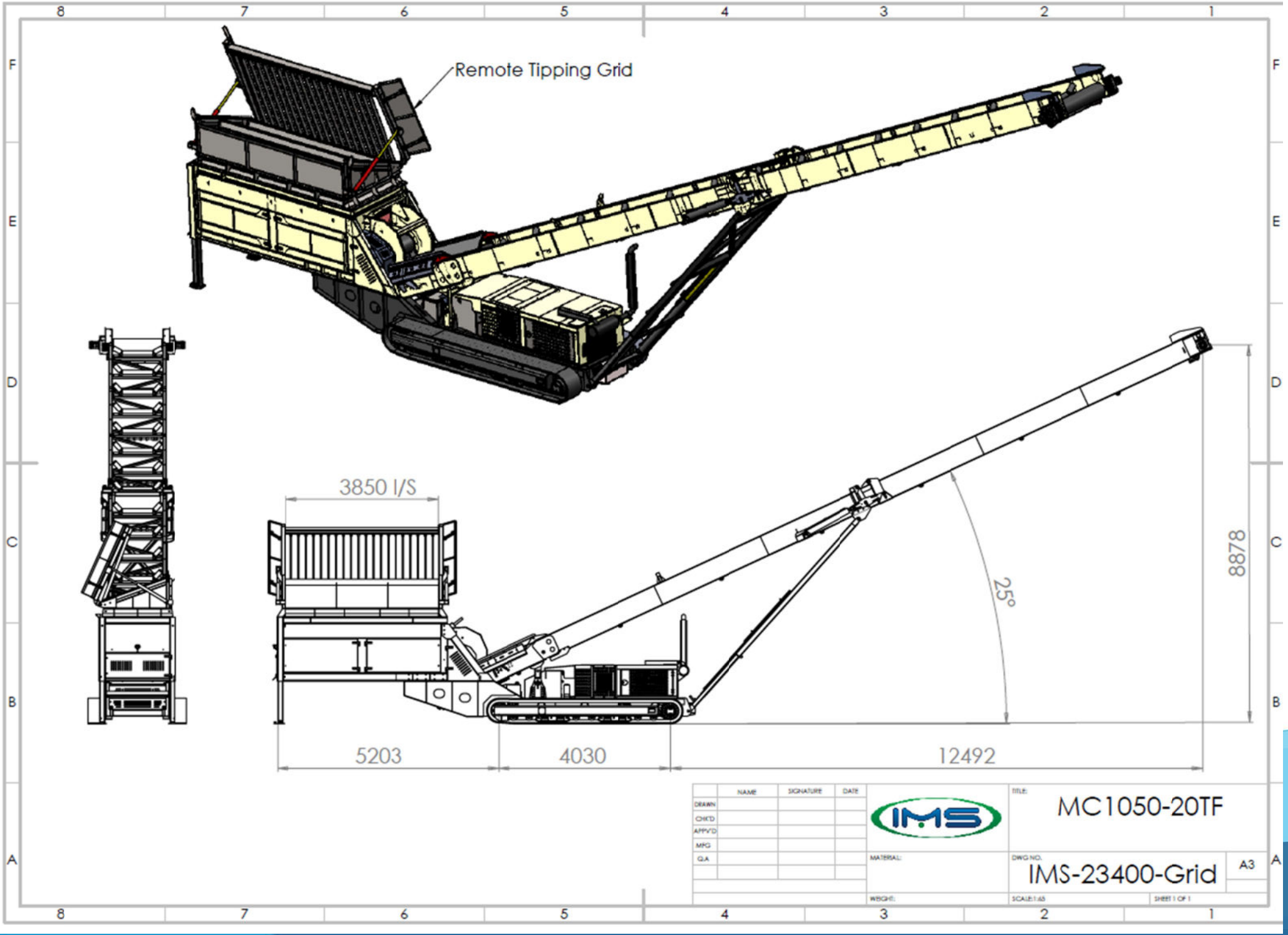
Hydraulic Folding Mechanism

The folding mechanism of the conveyor head section allows for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational

Emergency Stop System

Every MC1050-20TF track Conveyor is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.


1050/42"
Main Belt
20004
8610
9024
8cube Hopper
Options availible
4466
600
3099
25°
37°
8046
13150
5200
4030
1050/42"
Feeder Belt
CAT 4.4
Power Unit
Transport Mode
15501
3100
2314
NAME
SIGNATURE
DATE
DRAWN
CHK'D
APPV'D
MFG
Q.A
MATERIAL:
WEIGHT:
TITLE:
MC1050-20TF
DWG NO.
IMS-23400
A3
SCALE:1:80
SHEET 1 OF 3


Remote Tipping Grid
3850 I/S
25°
8878
5203
4030
12492
NAME
SIGNATURE
DATE
DRAWN
CHK'D
APPV'D
MFG
Q.A
MATERIAL:
WEIGHT:
TITLE:
MC1050-20TF
DWG NO.
IMS-23400-Grid
A3
SCALE:1:65
SHEET 1 OF 1

Standard Features

Detachable Hopper to allow for container transport – Hopper in 20' Container, Conveyor in 40' Container

Extended foldable head section to give additional reach from tracks 13m from front of tracks to discharge point

1050mm (42") wide Feeder and Main Belt

127mm (5") Impact Rollers under Feeder

Mild Steel Replaceable Liner Plates in Hopper as standard

Helmet Door on front of Hopper to regulate flow of material

8 cubic metre capacity Hopper

Cartridge type Feeder – Can be removed easily for maintenance

User friendly hydraulic inclination (no pins required)

Crawler Track Movement

74 kw Diesel-Hydraulic Drive

1050mm (42") wide 3 ply belt in both Feeder and Discharge Conveyor

Hydraulic Folding on Head Section

Hydraulic Raise and Lower

Specifications

Operational Length	23.5M (77')
Operational Height	9.03M (30")
Loading Height	3.1M (10")
Hydraulic Tank Capacity	600 l (132 Gallon)
Diesel Fuel Capacity	275 l (61 Gallon)
Engine	Caterpillar Liquid Cooled
Engine Power	74kw (100HP)
Transport Width	2.314M (7' 8")
Transport Height	3.10M (10')
Transport Length	15.5M (51')
Total Weight	17000 kgs (37400 lbs

Options

Remote Control Hydraulic Tipping Grid

Hardox 400 Wear Liners In Hopper

Rear Low Loading Hopper

Shredder on discharge from Feeder

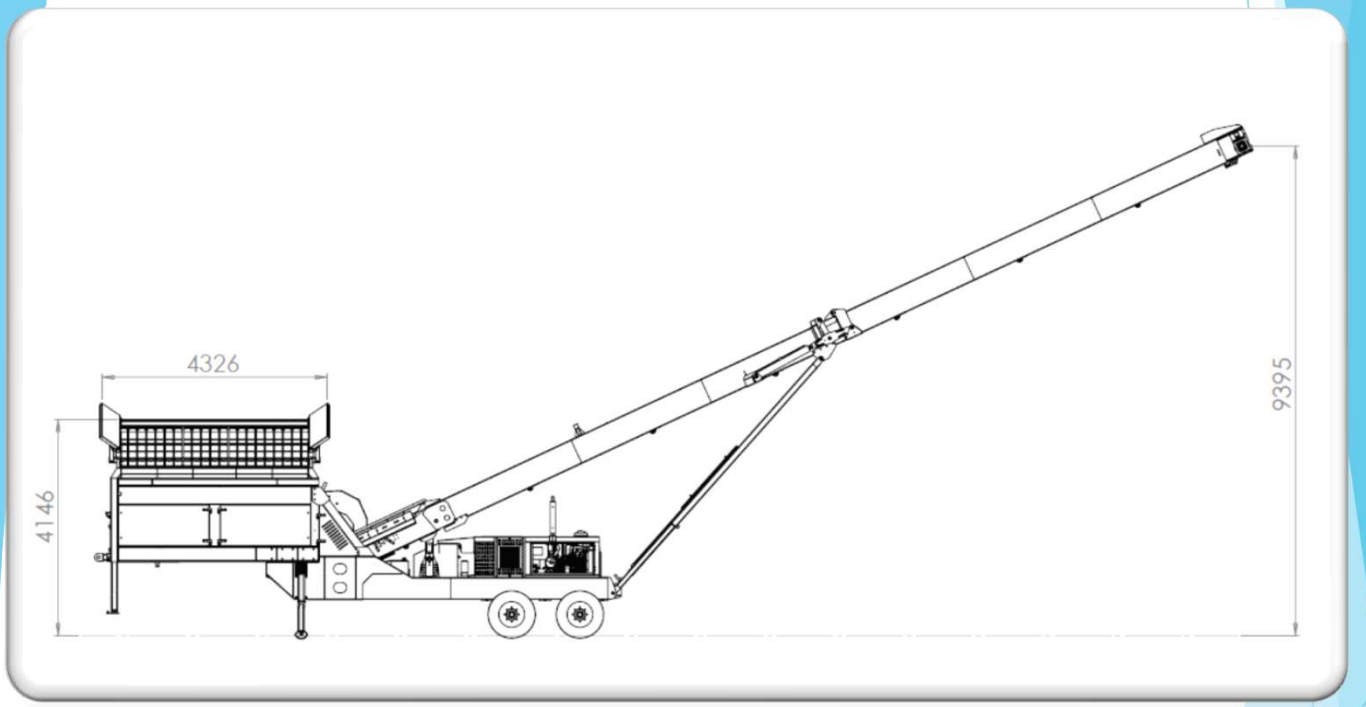
Heavy Duty Belt On Discharge Conveyor

Chevron Belt On Discharge Conveyor

Dual Power: Electric & Diesel / Hydraulic Power Unit

PVC Covers

Wheeled Version MC1050-20WF (Drawing below) includes road braking system to suit region





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MC 1050-14TF

FEED TRACK CONVEYOR



A leading manufacturer of screening and conveyor equipment, offer the MC1050-14TF Feed tracked stacking conveyor, ensuring regular & consistent feed the MC1050-14TF is the ideal solution for jobs that require high production stockpiling or material transfer

Heavy Duty Construction

Constructed from 5mm thick MS plate designed in 500mm deep section to give added stability and to withstand the rigours of heavy duty operation.

Feed Hopper

8 cubic metre capacity feed hopper with 4.5m wide target area to accept most loaders. Hopper lined with 6mm MS wear plates.
1050mm wide variable speed belt feeder c/w impact rollers and mild steel wearplates.

Discharge Conveyor

The conveyor is constructed in 3 sections , the tail section includes a standard reception hopper and the head section includes the conveyor drive , consisting of a hydraulic motor and rubber lagged drive pulley. The belt width is 1050mm and the overall length of the discharge conveyor is 14.5m.

Diesel-Hydraulic Power

The conveyor is powered by a 44 kw Diesel Engine coupled to a triple hydraulic pump giving sufficient oil flow to drive the variable speed belt feeder, the main discharge conveyor and the crawler tracks.

Undercarriage

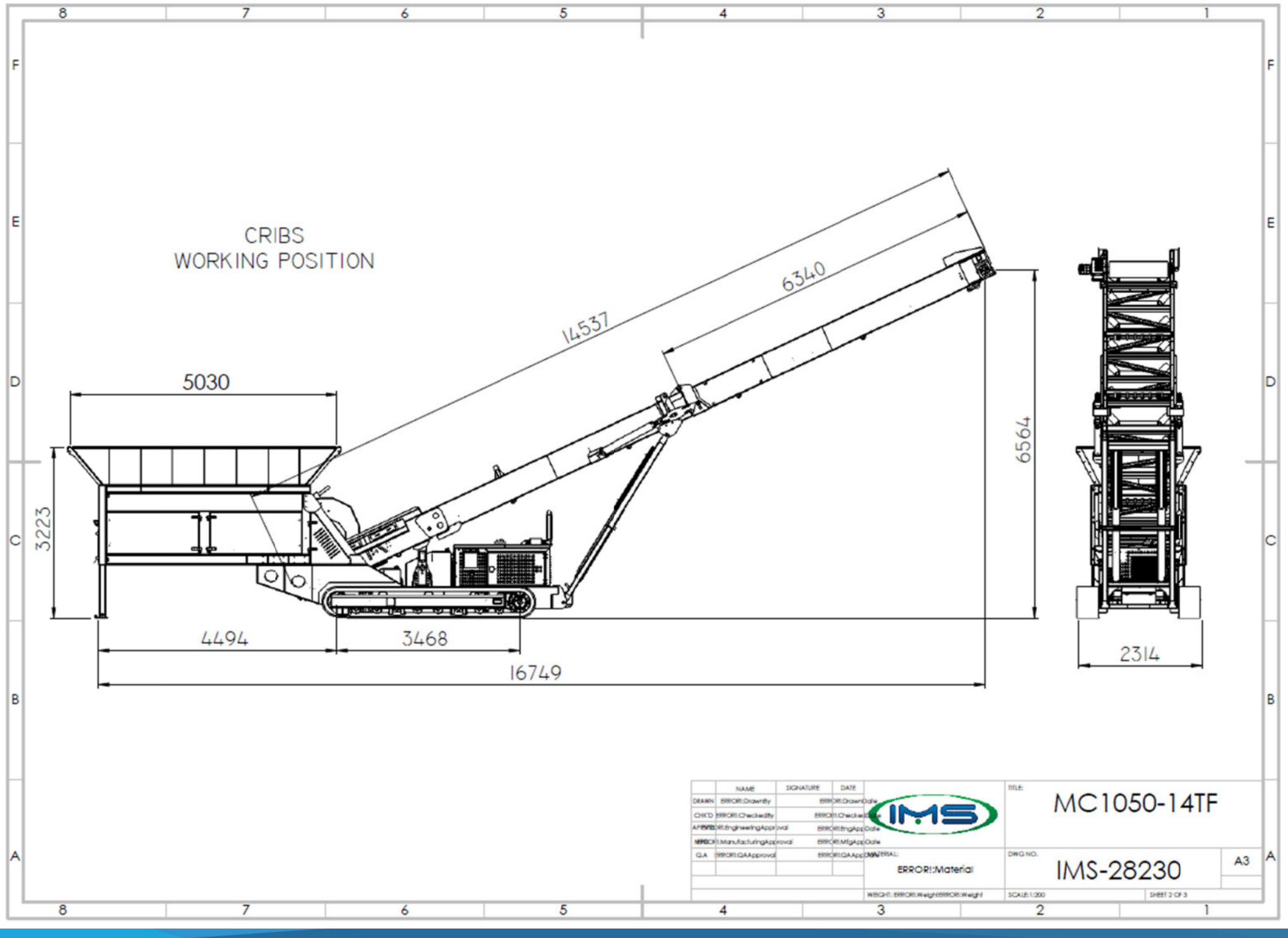
The undercarriage consists of the hydraulically operated crawler tracks together with an adjustable support trestle arrangement, which allows variation in both feed and discharge heights

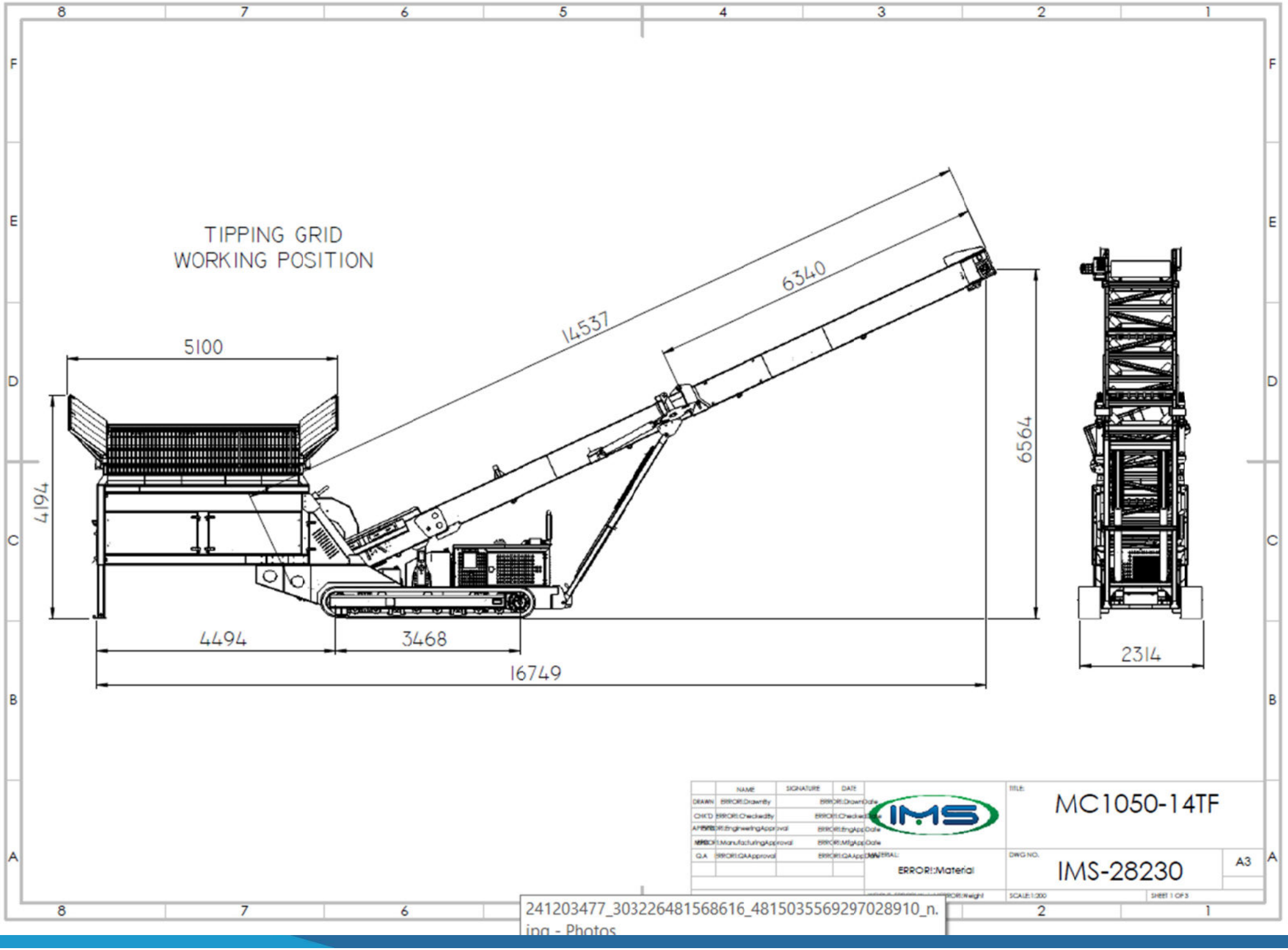
Hydraulic Folding Mechanism

The folding mechanism of the conveyor head section allows for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational

Emergency Stop System

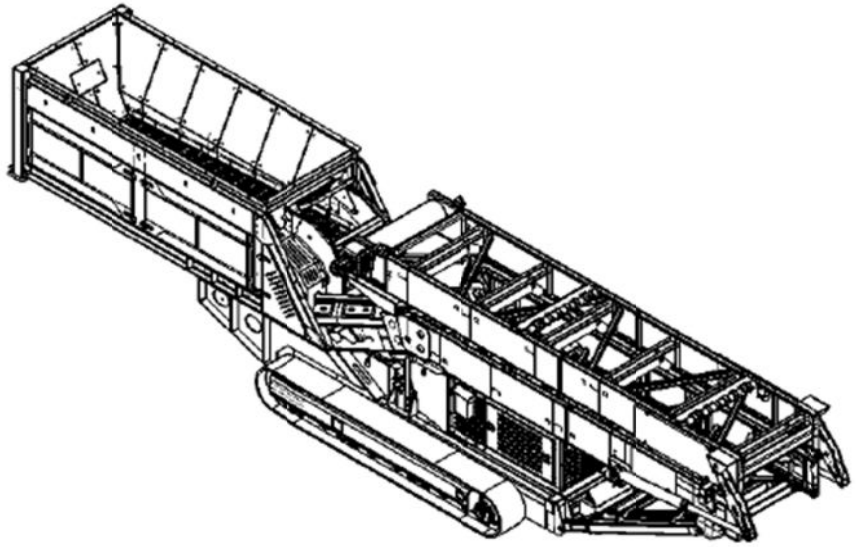
Every MC1050-14TF track Conveyor is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.

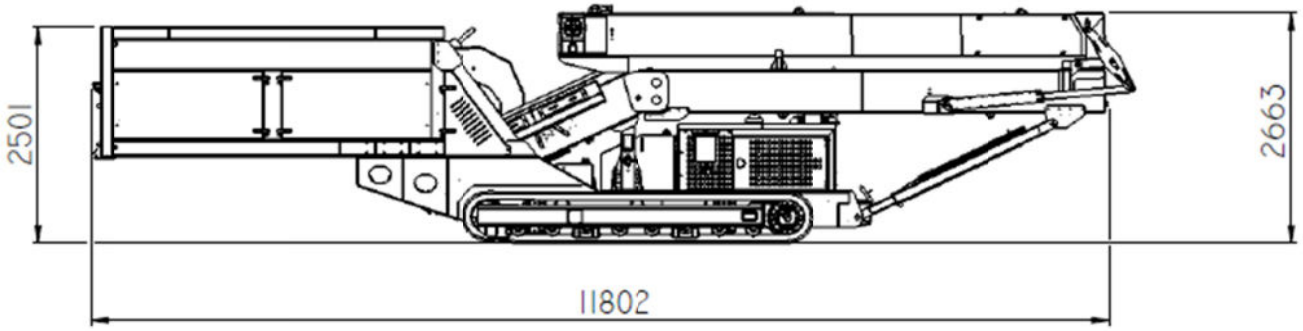

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ERROR!:DrawnDate
CHK'D
ERROR!:Checkedby
ERROR!:CheckedDate
ERROR!:EngineeringApproval
ERROR!:EngAppDate
ERROR!:ManufacturingApproval
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ERROR!:Material
WEIGHT:
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SCALE:1:200
SHEET 2 OF 3
TITLE:
MC1050-14TF
DWG NO.
IMS-28230
A3

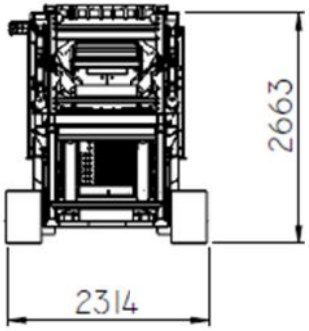


241203477_303226481568616_4815035569297028910_n.jpg - Photos

TRANSPORT POSITION







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WEIGHT: ERROR!::Weight

TITLE: MC1050-14TF

DWG NO. IMS-28230

A3

SCALE: 1:200

SHEET 3 OF 3

Standard Features

Suitable for container transportation

1050mm (42”) wide Feeder and Main Belt

127mm (5”) Impact Rollers under Feeder

Mild Steel Replaceable Liner Plates in Hopper as standard

Helmet Door on front of Hopper to regulate flow of material

8 cubic metre capacity Hopper

Cartridge type Feeder – Can be removed easily for maintenance

User friendly hydraulic inclination (no pins required)

Crawler Track Movement

44 kw Diesel-Hydraulic Drive

1050mm (42”) wide 3 ply belt in both Feeder and Discharge Conveyor

Hydraulic Folding on Head Section

Hydraulic Raise and Lower

Specifications

Operational Length	14.142M (60’)
Operational Height	6.6M (21’ 7”)
Loading Height	3.1M (10’)
Hydraulic Tank Capacity	600 l (132 Gallon)
Diesel Fuel Capacity	275 l (61 Gallon)
Engine	Caterpillar Liquid Cooled
Engine Power	44kw (59HP)
Transport Width	2.314M (7’ 8”)
Transport Height	2.66M (8’ 9”)
Transport Length	11.8M (38’ 9”)
Total Weight	15000 kgs (33069 lbs)

Options

Remote Control Hydraulic Tipping Grid

Hardox 400 Wear Liners In Hopper

Rear Low Loading Hopper

Shredder on discharge from Feeder

Heavy Duty Belt On Discharge Conveyor

Chevron Belt On Discharge Conveyor

Dual Power: Electric & Diesel / Hydraulic Power Unit

PVC Covers

Hopper Extensions 5m Loading Area

PLC Controlled Feeder to inference with Pugmill or mixing plant

Remote Stop Start

Remote Tracking





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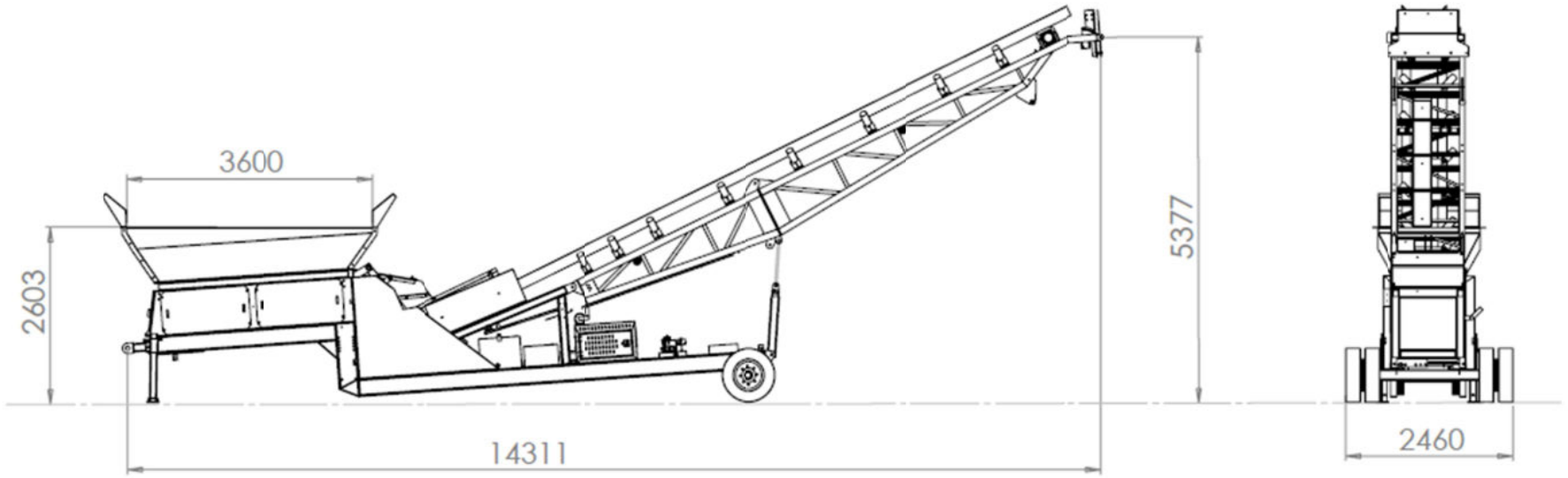
Tel. +44 (0)28 8554 9656 E-mail info@ims-ltd.ie website; www.ims-ltd.ie

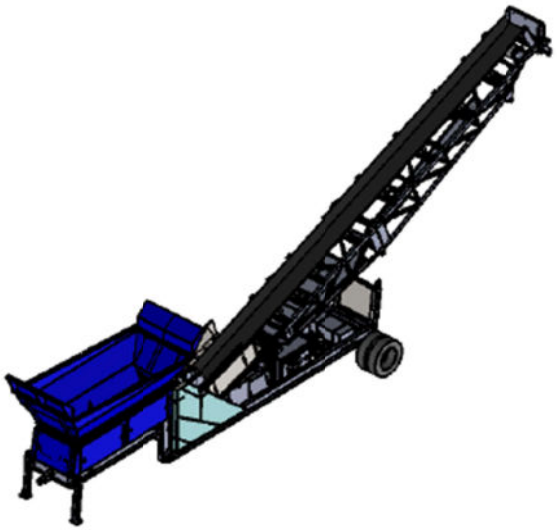
MH750-11WF

FEED WHEEL CONVEYOR









	NAME	SIGNATURE	DATE
DRAWN			
CHK'D			
APPV'D			
MFG			
Q.A			

IMS

TITLE: MS841-No Screen

MATERIAL:

DWG NO. MS841-Sales

A3

WEIGHT:

SCALE:1:65

SHEET 1 OF 1

Features and Benefits

7 Yd (5.3M)Hopper with Variable Speed Belt Feeder and Remote Tipping Grid
Maximum Feed Size 6”
Diesel Hydraulic Drive to latest emission standards
Alternative Electric Hydraulic Drive
Fifth Wheel Towing with transport wheels and axle
Site Towbar for localized movement with site equipment



Specification.

Total Weight:	18750lbs (8500kgs)
Working Length:	46’11” (14.311m)
Working Width:	8’1” (2.460m)
Working Height	19’ 8” (6.00m)
Diesel Power:	50HP (37KW) Tier 4F (USA) /Tier 5 (Europe)
Electric Power:	50HP (37KW)





Hopper and Grid
Capacity 7 cu yd. (5.3cu M)
Remote Control Tipping Grid
Grid Spacing 4” (100mm), 5” (125mm), 6” (150mm)
Single Bar Grid for easy replacement
Feed In Height 10’6” (3.2m)
Target Area 12’3” x 6’0” (3.7m x 1.8m)

Belt Feeder
30” (750mm) 2 ply plain belt
Danfoss Direct Drive Hydraulic Motor
Variable Speed Control

Main Conveyor
30” (750mm) 2 ply plain belt
Danfoss Direct Drive Hydraulic Motor
Manual

Screenbox
8’ x 4’ (2500mm x 1250mm) Incline Double Deck 4 bearing screen
End Tensioned Meshes
Manual Screen Tensioning
Manual Screen Angle Adjustment

Power Unit
50HP (37KW) Diesel Engine (Tier 4F (USA) / Tier 5 (EC)
Fuel Tank 35 gallon (160 litres)
Hydraulic Tank 50 gallon (220 litres)
Tandem 2PL 070 Hydraulic Pump

Axle and Wheels
Single Axle non-braked with Twin 7.50 x 8 stud Wheels

Options

Electric Hydraulic Powerpack
Single Shaft Shredder with hammers or flails
Braked Axle
Light Board
Magnet
Anti Rollback Brackets
Chevron Belt







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MC 1050-20T

65ft TRACK CONVEYOR

42 INCH BELT



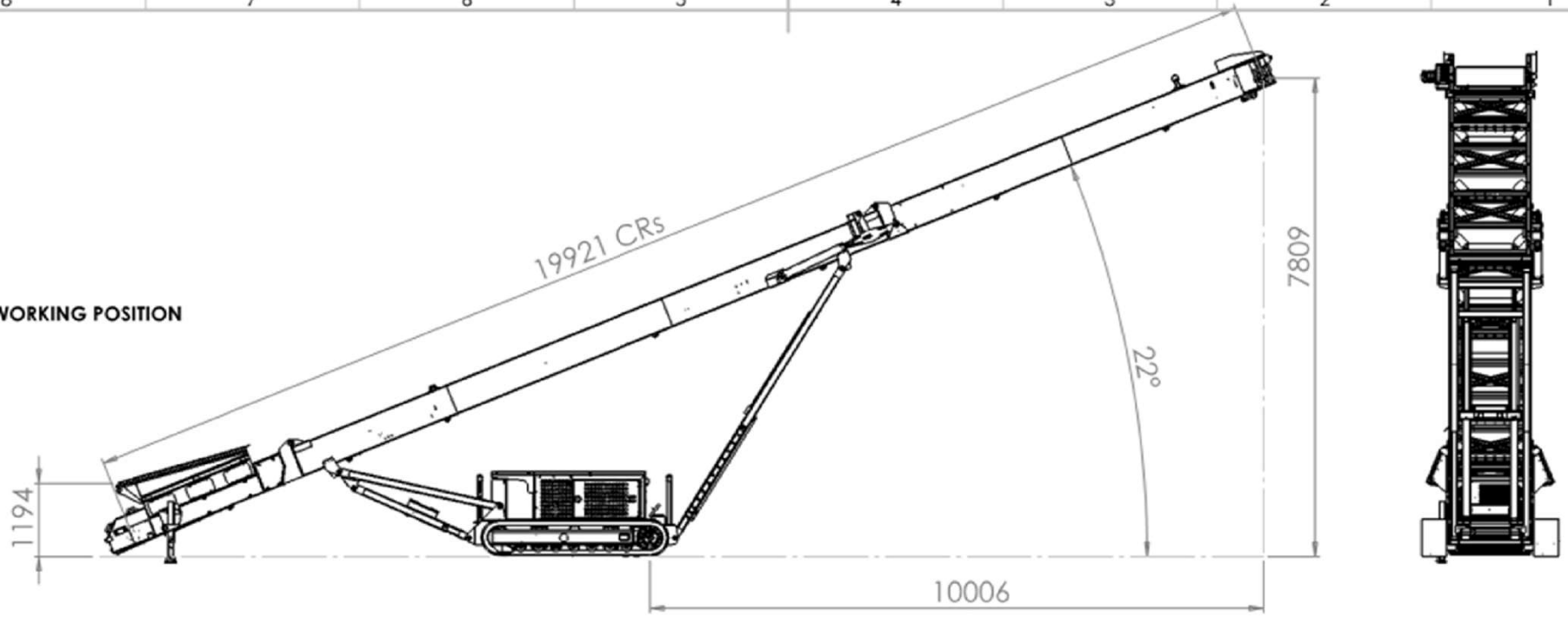


YouTube

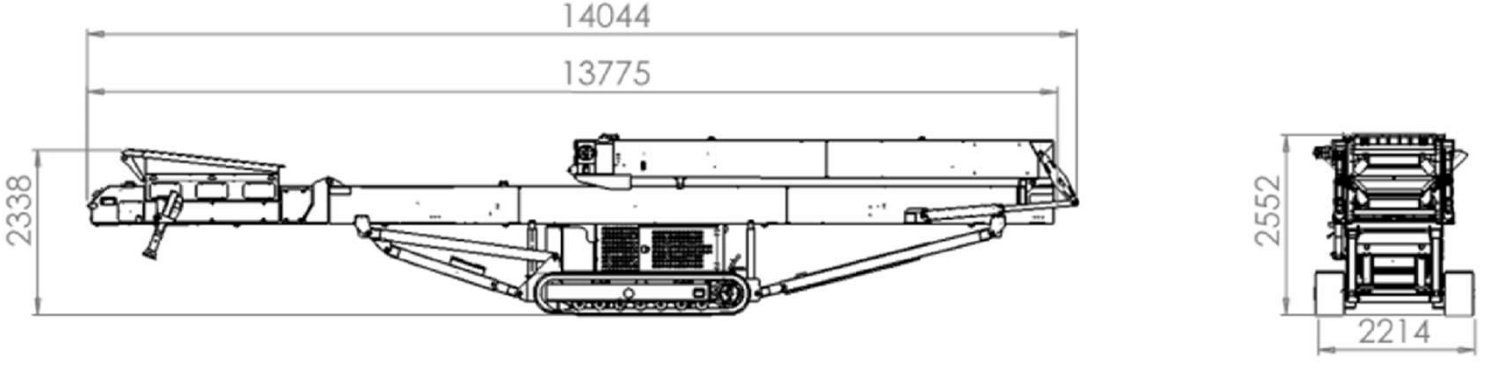
SEARCH

IMS MC1050-20T

WORKING POSITION



TRANSPORT POSITION



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING / REVISION
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DRAWN							
CHK'D							
APPV'D							
MFG							
Q.A				MATERIAL:			DWG NO. IMS-19174-Tier4 / A3
				WEIGHT:			SCALE:1:70 / SHEET 1 OF 1

Heavy Duty Construction

Constructed from 5mm thick MS plate designed in 500mm (20”) deep section to give added stability and to withstand the rigours of heavy duty operation

Conveyor

The conveyor is constructed in 3 sections , the tail section includes a generous feed hopper and the head section includes the conveyor drive , consisting of a Sauer-Danfoss hydraulic motor and rubber lagged drive pulley

Diesel-Hydraulic Power Unit

The conveyor is powered by a 38 kw Diesel Engine coupled to a tandem hydraulic pump giving sufficient oil flow to drive both the conveyor at maximum output and to operate the crawler tracks

Undercarriage

The undercarriage consists of the hydraulically operated crawler tracks together with an adjustable support trestle arrangement, which allows variation in both feed and discharge heights

Hydraulic Folding Mechanism

The folding mechanism of the conveyor head section allows for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational

Emergency Stop System

Every MC1050-20T track Conveyor is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.

Standard Features

Crawler Track Movement

38kw Diesel-Hydraulic Drive

1050mm (42”) wide 3 ply belt

Hydraulic Folding on Head Section

Hydraulic Raise and Lower

Manual Folding of Tail Section



Options

Hydraulic Folding of Tail Section

Heavy Duty Belt

Chevron Belt

Dual Hydraulic Drive for increased throughput

Feed Impact Bars

Conveyor Belt Variable Speed Control

Dual Power: Electric & Diesel / Hydraulic Power Unit

PVC covers

Galvanised Steel Covers

Pull Cord Emergency Stops

Feedboot Mild Steel Wear Plates

Feedboot Hardox Wearplates

Feedboot Extensions

Radio Remote Control

48” Belt Verion

Specifications

Operational Length	20M (65’)
Operational Height	8.06M (26’ 6”)
Loading Height	1.2M-3.4M (4’0”-11’3”)
Hydraulic Tank Capacity	320 l (70 gallon)
Diesel Fuel Capacity	155 l (35 gallon)
Engine	Caterpillar
Engine Power	38 kw (51 HP)
Transport Width	2.25M (7’ 4”)
Transport Height	2.5M (8’ 2”)
Transport Length	10.7M (35’ 10”)
Total Weight	9560 kgs (21030 lbs)



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MC 1050-24T

80ft TRACK CONVEYOR

42 INCH BELT

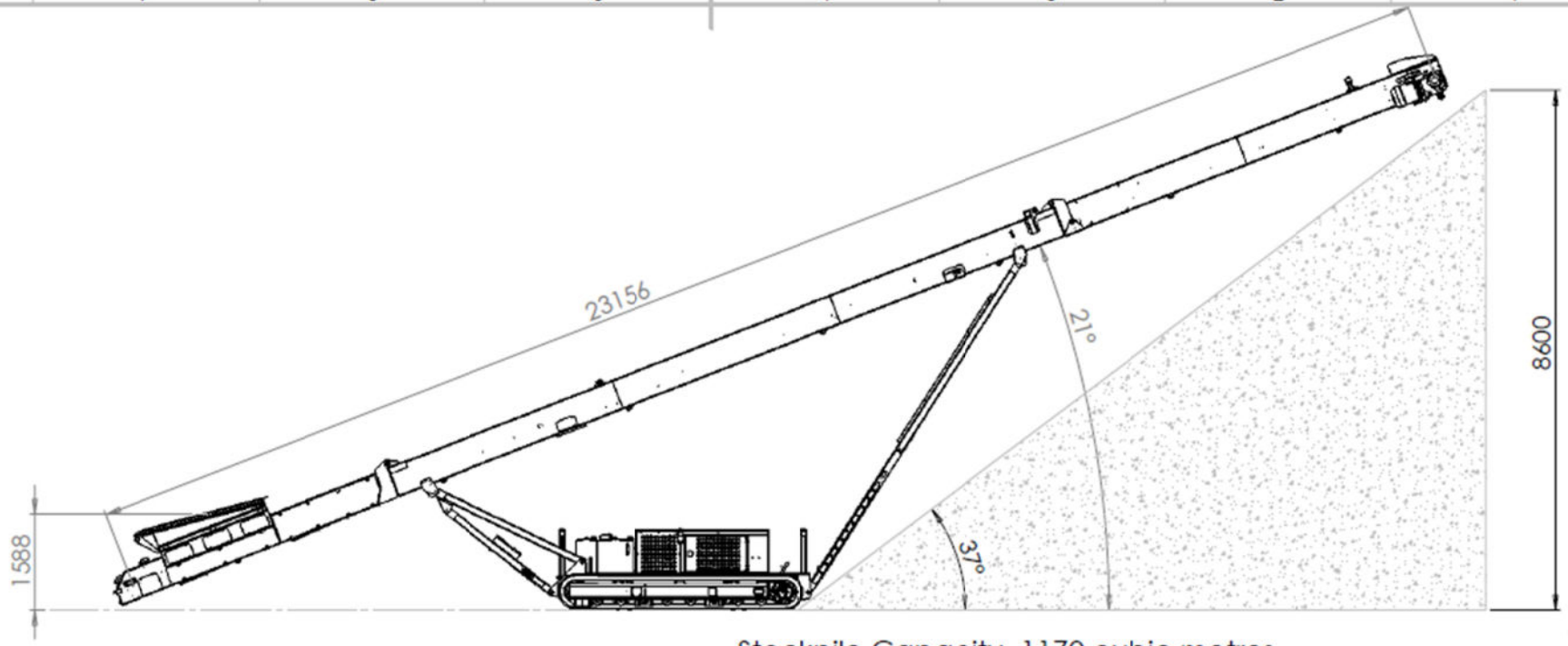


YouTube

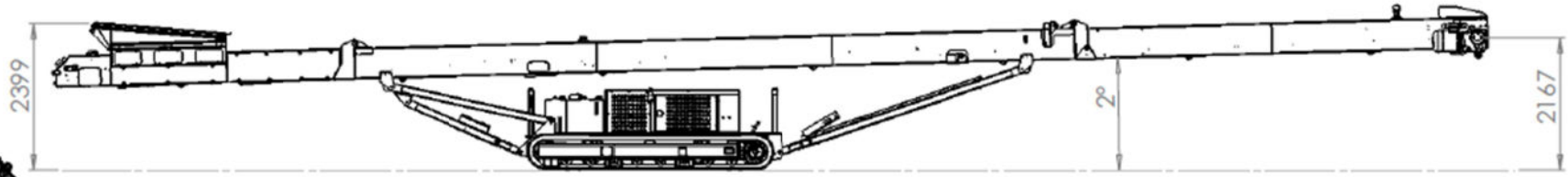
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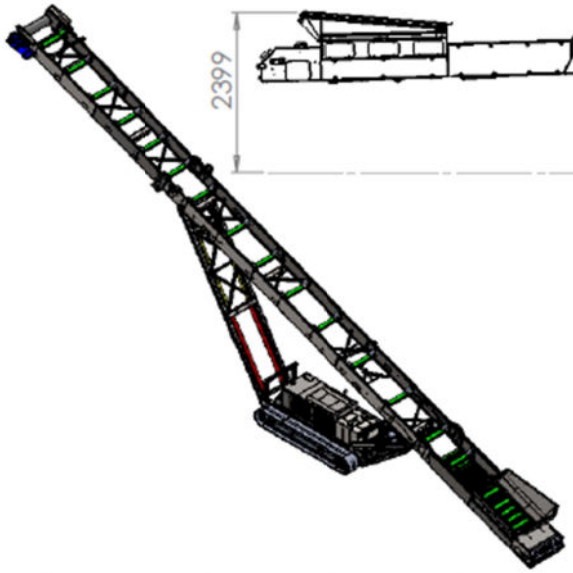
IMS MC1050-24T

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34 Dunroe Road, Clogher, Co. Tyrone, N. Ireland
BT76 0DZ
Tel. +44 (0)28 8554 9656 E-mail info@ims-ltd.ie
website; www.ims-ltd.ie



Stockpile Capacity -1170 cubic metres
@ Bulk Density of 1.6 = 1870mT





UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:			DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
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APP'D							
MFG							
Q.A				MATERIAL:		DWG NO. IMS-21734	A3
				WEIGHT:		SCALE:1:75	SHEET 1 OF 1

Heavy Duty Construction

Constructed from 5mm thick MS plate designed in 500mm deep section to give added stability and to withstand the rigours of heavy duty operation.

Conveyor

The conveyor is constructed in 3 sections , the tail section includes a generous feed hopper and the head section includes the conveyor drive, consisting of a Sauer-Danfoss hydraulic motor and rubber lagged drive pulley.

Diesel-Hydraulic Power Unit

The conveyor is powered by a 55 kw Diesel Engine coupled to a tandem hydraulic pump giving sufficient oil flow to drive both the conveyor at maximum output and to operate the crawler tracks.

Undercarriage

The undercarriage consists of the hydraulically operated crawler tracks together with an adjustable support trestle arrangement, which allows variation in both feed and discharge heights.

Hydraulic Folding Mechanism

The folding mechanism of the conveyor head section and tail sections allows for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational.

Emergency Stop System

Every MC1050-24T Track Conveyor is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.

Standard Features

Crawler Track Movement

55 kw Diesel-Hydraulic Drive

1050mm (42”) wide 3 ply belt

Hydraulic Folding on Head Section

Hydraulic Folding of Tail Section

Hydraulic Raise and Lower

Single Hydraulic Motor Drive (Sauer-Danfoss)

Options

Heavy Duty Belt

Conveyor Belt Variable Speed Control

Dual Hydraulic Drive For Increased Throughput

Feed Impact Bars

Galvanised Steel Covers

Dual Power: Electric & Diesel/Hydraulic Power Unit

PVC Covers

Feedboot Hardox Wareplates

Pull Cord Emergency Stops

Feedboot Mild Steel Wear Plates

15 Tonne Capacity Hopper

Feedboot Extensions

Radio Remote Control

Remote Variable Speed Belt Speed Control

Specifications

Operational Length	24M (79’)
Operational Height	9.02M (29’7”)
Loading Height	1.48M-2.46M (4’9”-8’3”)
Hydraulic Tank Capacity	377 l (83 Gallon)
Diesel Fuel Capacity	216 l (48 Gallon)
Engine	Caterpillar
Engine Power	55kw (74HP)
Transport Width	2.25M (7’ 4”)
Transport Height	2.5M (8’ 2”)
Transport Length	12.2M (40’ 3”)
Total Weight	11470 kgs (25234 lbs)



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MC 1050-30T

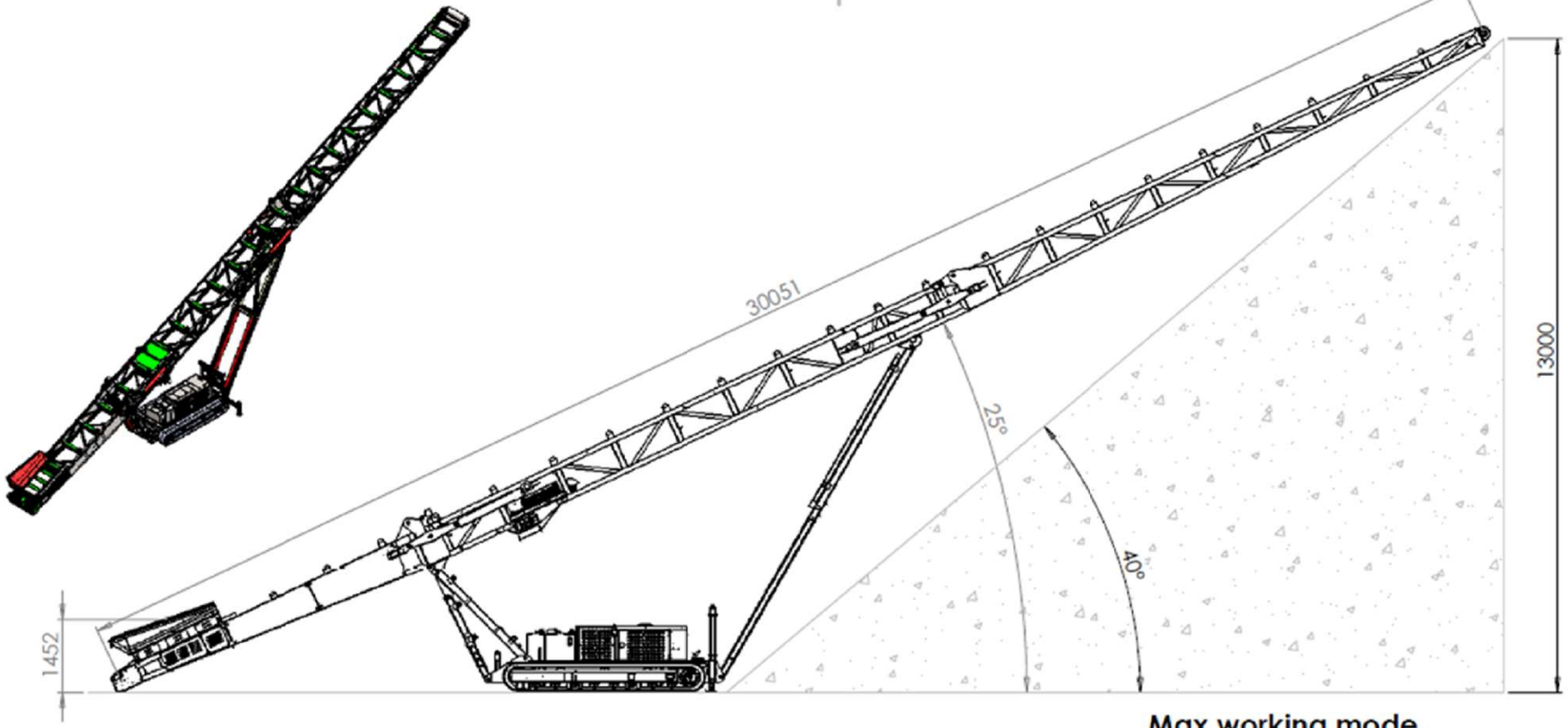
100ft TRACK CONVEYOR
42 INCH BELT



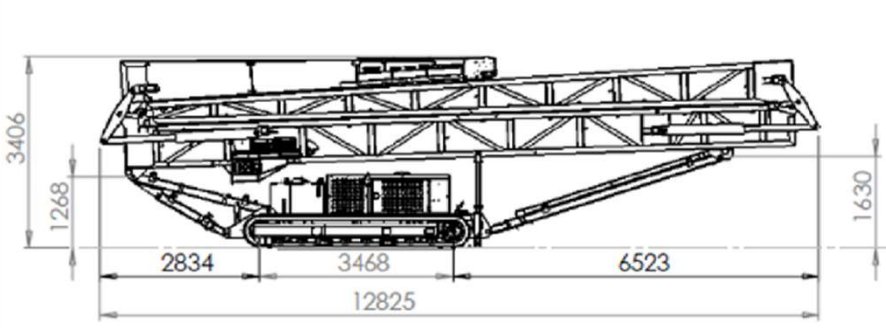
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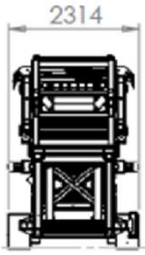
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IMS MC1050-30T

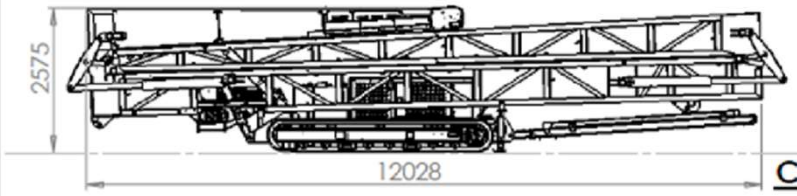


Max working mode





Transport mode



Container mode

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION
	NAME	SIGNATURE	DATE			TITLE: MC1050-30T (CAT3.4)	
DRAWN							
CHK'D							
APPV'D							
MFG							
Q.A				MATERIAL:		DWG NO. IMS-24486	A3
				WEIGHT:		SCALE:1:90	SHEET 1 OF 1

Heavy Duty Construction
Heavy Duty lattice angle construction to give added stability and to withstand the rigours of heavy duty operation.

Conveyor
The conveyor is constructed in 3 sections, the tail section includes a generous feed hopper and the head section includes the conveyor drive, consisting of twin Sauer-Danfoss hydraulic motors coupled to a rubber lagged drive pulley.

Diesel-Hydraulic Power Unit
The conveyor is powered by a Caterpillar 74kw water cooled Diesel Engine coupled to a tandem hydraulic pump giving sufficient oil flow to drive both the conveyor at maximum output and to operate the crawler tracks.

Undercarriage
The undercarriage consists of the hydraulically operated crawler tracks together with an adjustable support trestle arrangement, which allows variation in both feed and discharge heights.

Hydraulic Folding Mechanism
The folding mechanism of the conveyor head and tail sections allow for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational.

Emergency Stop System
Every MC1050-30T track Conveyor is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.



Standard Features



Crawler Track Movement

74 kw Diesel-Hydraulic Drive

1050mm (42”) wide 3 ply belt

Hydraulic Folding on Head Section

Hydraulic Folding of Tail Section

Hydraulic Raise and Lower

Options



Heavy Duty Belt

Chevron Belt

Feed Impact Bars

Conveyor Belt Variable Speed Control

Dual Power: Electric & Diesel / Hydraulic Power Unit

PVC covers

Steel skirting full length of conveyor

Galvanised Steel Covers

Pull Cord Emergency Stops

Feedboot Mild Steel Wear Plates

Feedboot Hardox Wearplates

Feedboot Extensions

Radio Remote Control

48 Inch Belt Option

Onboard Genset Image Shown



Specifications

Operational Length	30M (100’)
Operational Height	13M (42’8”)
Loading Height	1.2M-3.4M (4’0”-11’3”)
Hydraulic Tank Capacity	377 l (83 Gallon)
Diesel Fuel Capacity	216 l (48 Gallon)
Engine	Caterpillar
Engine Power	74kw (100HP)
Transport Width	2.25M (7’ 4”)
Transport Height	2.5M (8’ 2”)
Transport Length	12.2M (40’ 3”)
Total Weight	13200 kgs (29040 lbs)



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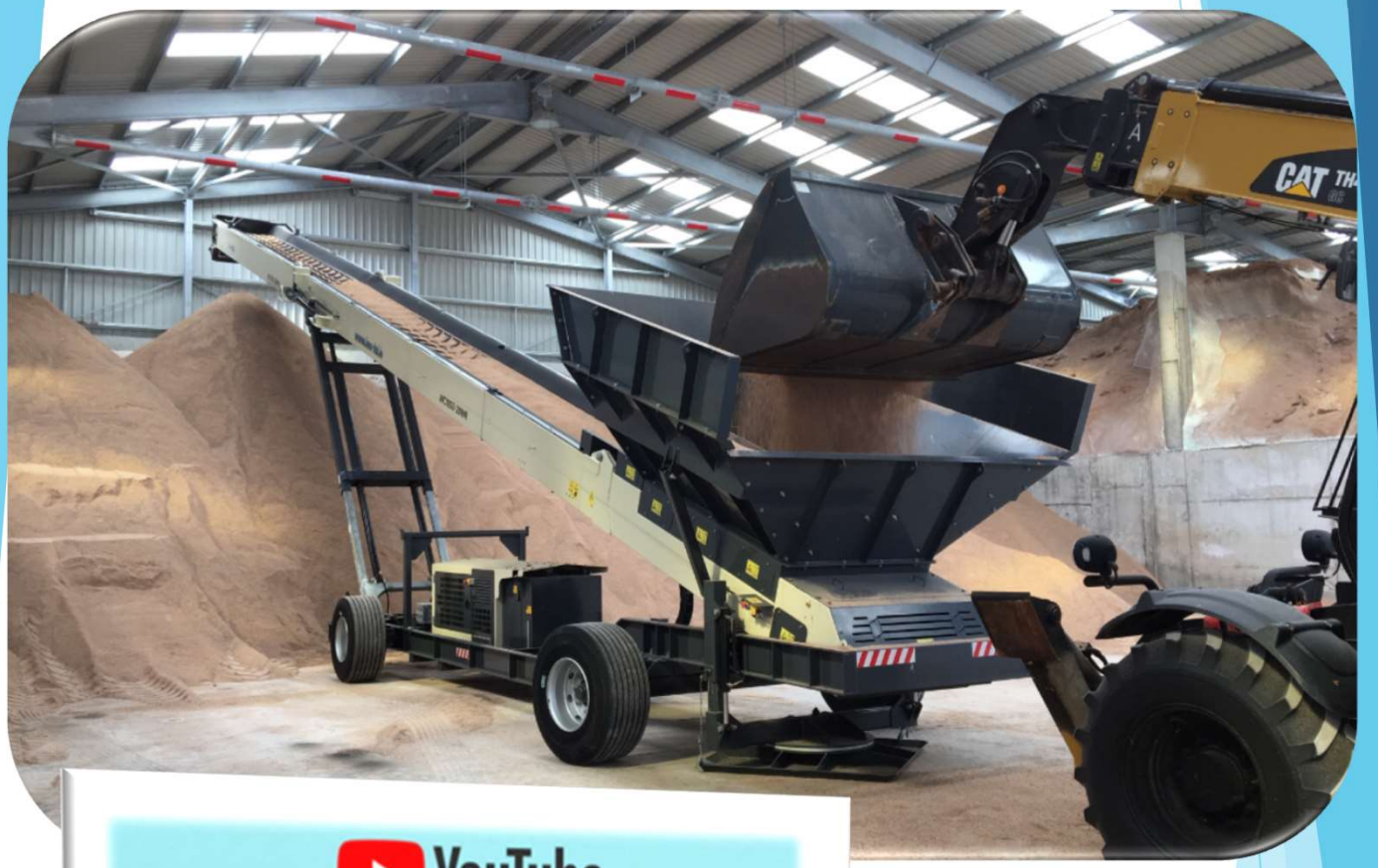
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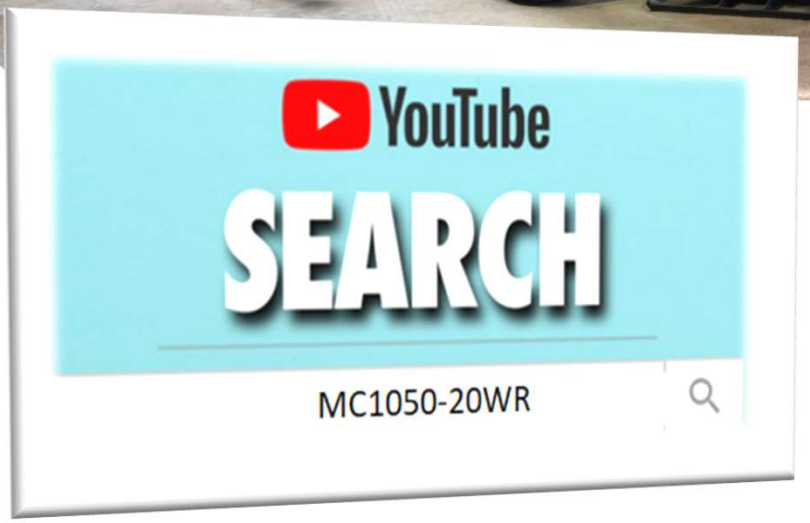
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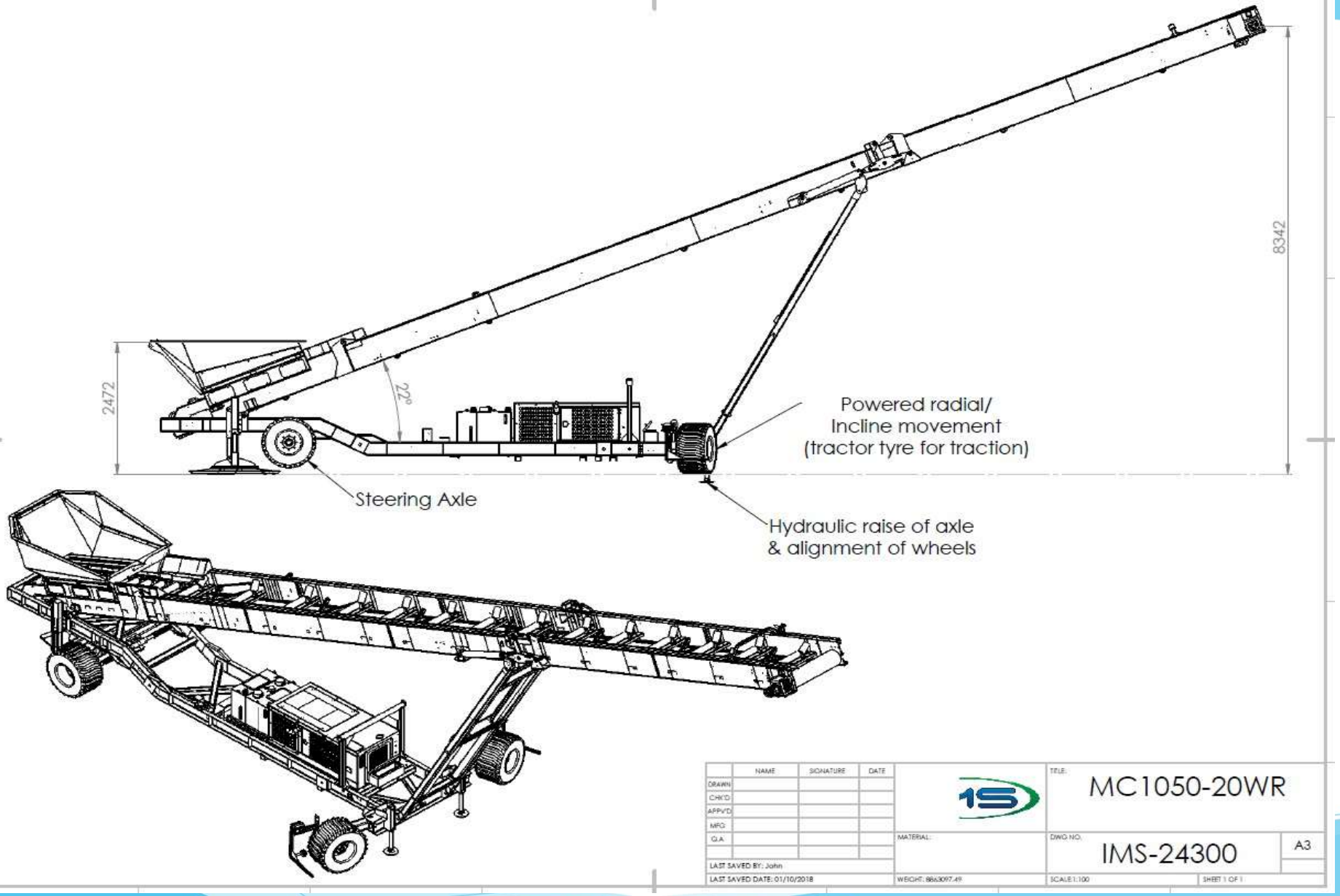
MC1050-20WR

Wheel Radial Conveyor





A leading manufacturer of screening and conveyor equipment, offer the MC1050-20WR wheel stacking conveyor, the ideal conveyor for handling wood chip, mulch, and recycled waste timber


2472
22°
8342
Powered radial/
Incline movement
(tractor tyre for traction)
Steering Axle
Hydraulic raise of axle
& alignment of wheels
NAME
SIGNATURE
DATE
DRAWN
CHK'D
APPV'D
MFG
Q.A
LAST SAVED BY: John
LAST SAVED DATE: 01/10/2018
MATERIAL:
WEIGHT: 8863097.49
TITLE:
MC1050-20WR
DWG NO.
IMS-24300
A3
SCALE:1:100
SHEET 1 OF 1





Heavy Duty Construction
Constructed from 5mm thick MS plate designed in 500mm deep section to give added stability and to withstand the rigours of heavy duty operation

Conveyor
The conveyor is constructed in 3 sections , the tail section includes a generous feed hopper and the head section includes the conveyor drive , consisting of a Sauer-Danfoss hydraulic motor and rubber lagged drive pulley

Diesel-Hydraulic Power Unit
The conveyor is powered by a 38 kw Diesel Engine coupled to a tandem hydraulic pump giving sufficient oil flow to drive both the conveyor at maximum output and to operate the magnet

Radial Operation
The Radial Operation is facilitated by 2 445/55 x 22.5 Super Single wheels mounted in radial alignment. One of the wheels is driven by a Brevini geared hydraulic motor to provide radial movement. The radial wheels are retracted via hydraulic cylinders to transform the machine to road transport mode

Road Transport
The undercarriage consists of a heavy duty chassis with a TUV approved axle with 385/55 x 22.5 Super Single Wheels, VBG approved Tow Hitch, Braking System and approved 24v Lighting System.

Hydraulic Folding Mechanism
The folding mechanism of the conveyor head section allows for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational

Emergency Stop System
Every MC1050-20WR Conveyor is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator

Standard Features



38 kw Diesel-Hydraulic Drive

1050mm (42”) wide 3 ply belt

Hydraulic Folding on Head Section

Hydraulic Raise and Lower

Manual Folding of Tail Section

Options

Heavy Duty Belt

Chevron Belt

Conveyor Belt Variable Speed Control

PVC covers

Galvanised Steel Covers

Feedboot Mild Steel Wear Plates

Feedboot

Hardox Wearplates

Feedboot Extensions

Twin Electric Drive

Impact Rollers

Overband Magnet

15m Version (image below)



Specifications

Operational length	20M (65’)
Operational height	9.16M (30’) At maximum height (26˚) chevron belt may be required
Loading height	1.2M (4’0”)
Hydraulic tank capacity	320 l (70 gallon)
Diesel fuel capacity	155 l (35 gallon)
Engine	Caterpillar Liquid Cooled
Engine power (horsepower)	38kw (51 HP)
Transport width	2.5 M (8’0”)
Transport height	4.0 M (13’ 2”)
Transport length	14.9M (49’0”)
Total weight	12640kgs (27800 lbs)
Axle Weight	9440kgs (20770 lbs)

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Wheel Conveyors

IMS offer a wide range of static and wheeled radial conveyors.

For more information contact IMS on contact details provided below.





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