



Product Overview





Our Story

MDS is an Irish manufacturing company specialising in equipment for aggregate handling, quarry, mining, construction and recycling sectors. We have over 25 years of experience in producing our own brand of heavy-duty rock trommels. MDS is widely known for our heavy duty track trommels. There is a range of models available in our product range to cater for the diverse customer needs. The designs are revolutionary and innovative with several added features which have allowed us to increase working life and productivity.

Our units are primarily used in applications like recovering rocks from overburden, cleaning off sticky clay from rocks, riprap/armor rocks, processing blasted rocks up to 32" (800mm) in size, recycling steel waste and incinerated bottom ash (IBA).

| | |
|-------------------------|----|
| M412 Track Trommel | 00 |
| M413 Track Trommel | 00 |
| M515 Track Trommel | 00 |
| M518 Recycling Trommel | 00 |
| M720R Recycling Trommel | 00 |

MDS M412

The M412 Track Trommel is ideal for screening from light material to recycling heavy demolition waste. This machine can also operate in the quarry, cleaning dirty material up to 600mm (24") in height. It comes complete with the fold out stockpiling conveyors and ideal for moving around the quarry and from one site to the next.

TRANSPORT DIMENSIONS

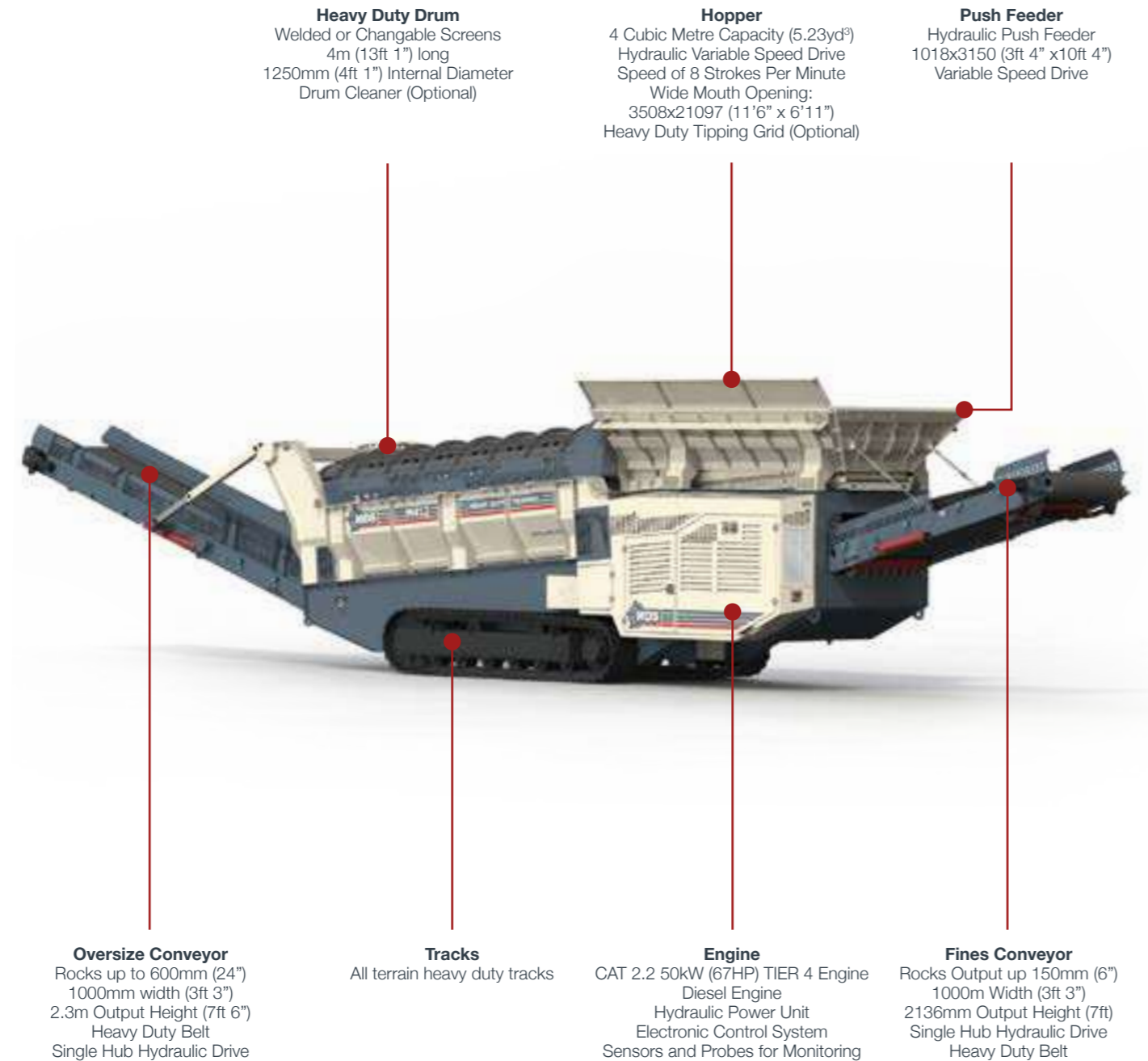
LENGTH: 12,820mm (42ft)
 WIDTH: 2,500mm (8ft 2")
 HEIGHT: 3000mm (9ft 8") | 3,423mm (11ft 2") w/Grid
 WEIGHT: 21.5 tonnes (23.7 US Tons)

DISCHARGE HEIGHTS

OVERSIZE: 2,326mm (7ft 6")
 FINES: 2,136mm (7ft)

OUTPUT

CAPACITY: 300 Tonnes per hour (330 US Tons PH)



Drums & Screens

The M412 drums can come in two configurations. Customers have the option of a drum frame with changeable screens or a fully welded drum. These configurations are shown to the right. Drum cleaners only work with fully welded drums.



1" (25mm)
1.5" (38mm)
2" (50mm)



3" (75mm)
4" (100mm)
5" (125mm)



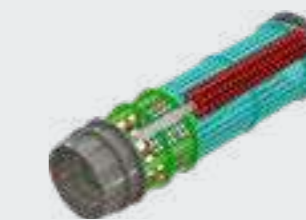
6" (150mm)



MDS Trommels can come with an option to get changeable Screens on its drums or fully welded drums.



Drum Frame with Screens
 4m drum frame with screens
 Various screen sizes
 Easily changeable screens



Welded + Screens
 2.9m welded drum
 75mm (3") to 150mm (6")
 Used with drum cleaner
 1.1m changeable screens up to 150mm (6")
 Allows to clean and control size



Fully Welded
 Full 4m welded drum
 Set up for dirty material



MDS M413

The M413 Track Trommel is ideal for screening light material to recycling demolition waste. This machine can also operate in the quarry, cleaning dirty material up to 600mm (24") in size. It comes complete with three fold out stock piling conveyors. It is compact in design and is easy to transport thus is ideal for moving around the quarry.

TRANSPORT DIMENSIONS

LENGTH: 13,405mm (43ft 11")
 WIDTH: 2,500mm (8ft 2")
 HEIGHT: 3,100mm (10ft 2") | 3,524mm (11ft 6") w/Grid
 WEIGHT: 29.5 tons

DISCHARGE HEIGHTS

OVERSIZE: 2,039mm (6ft 8")
 OVERSIZE: 1,986mm (6ft 6")
 FINES: 1,993mm (6ft 6")

OUTPUT

CAPACITY: 300 Tonnes per hour (330 US Tons PH)

Oversize Conveyor
 Rocks up to 600mm (24")
 1000mm width (3ft 3")
 2039mm Output Height (6ft 8")
 Heavy Duty Belt
 Single Hub Hydraulic Drive

Heavy Duty Drum
 Welded or Changable Screens
 4.6m (15ft 1") long
 1250mm (4ft 1") Internal Diameter
 Drum Cleaner (Optional)

Hopper
 4 Cubic Metre Capacity (5.23yd³)
 Hydraulic Variable Speed Drive
 Speed of 8 Strokes Per Minute
 Wide Mouth Opening:
 3508x21097 (11'6" x 6'11")
 Heavy Duty Tipping Grid (Optional)

Push Feeder
 Hydraulic Push Feeder
 1018x3150 (3ft 4" x10ft 4")
 Variable Speed Drive

Mid Product Conveyor
 Rocks up to 300mm (12")
 1350mm (4ft 5") width
 1986mm (6ft 6") output height
 Single hub drive
 Heavy duty belt

Tracks
 All terrain heavy duty tracks

Engine
 CAT 2.2 50kW (67HP) TIER 4 Engine
 Diesel Engine
 Hydraulic Power Unit
 Electronic Control System
 Sensors and Probes for Monitoring

Fines Conveyor
 Rocks Output up 150mm (6")
 1000m Width (3ft 3")
 1993mm Output Height (6ft 6")
 Single Hub Hydraulic Drive
 Heavy Duty Belt

Drums & Screens

The M413 uses the same screens as M412 in its fines section. Mid-Product section uses a different style of screens. There are various screen sizes that can be chosen for the M413 Trommel which are shown.



1" (25mm)
 1.5" (38mm)
 2" (50mm)



3" (75mm)
 4" (100mm)
 5" (125mm)
 6" (150mm)

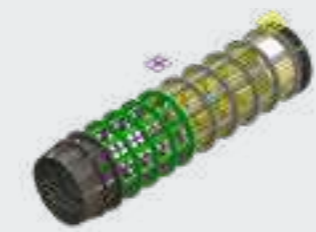


3" (75mm)
 4" (100mm)
 5" (125mm)
 6" (150mm)

8" (200mm)
 10" (250mm)
 12" (300mm)



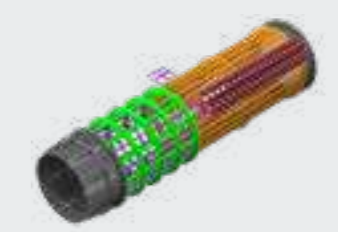
MDS M413 Trommels are made up of a drum with a 2.9m Fines section and 1.7m Mid Product Section. There are various combinations of drums that can be set up on the machine. There are either frames with changeable screens or fully welded drums. The exact configuration depends on the application and requirements of the customer. M412 screens fit in the fines section of the M413. However the Mid Product Screens have a different design. Drum Cleaners are only used with Fully Welded Drums in the fines section of the drum. These can be used with drums with openings of 75mm (3") to 150mm (6").



Standard Set Up - Both Screens



MP Welded, Fines Screens



MP Screens, Fines Welded



Both Welded Sections



MDS M515

The M515 Track Trommel is perfect for cleaning dirty material and can handle rocks up to 800mm (32") in size. It comes complete with fold out stockpiling conveyors and is ideal for moving around the quarry and from one site to the next.

TRANSPORT DIMENSIONS

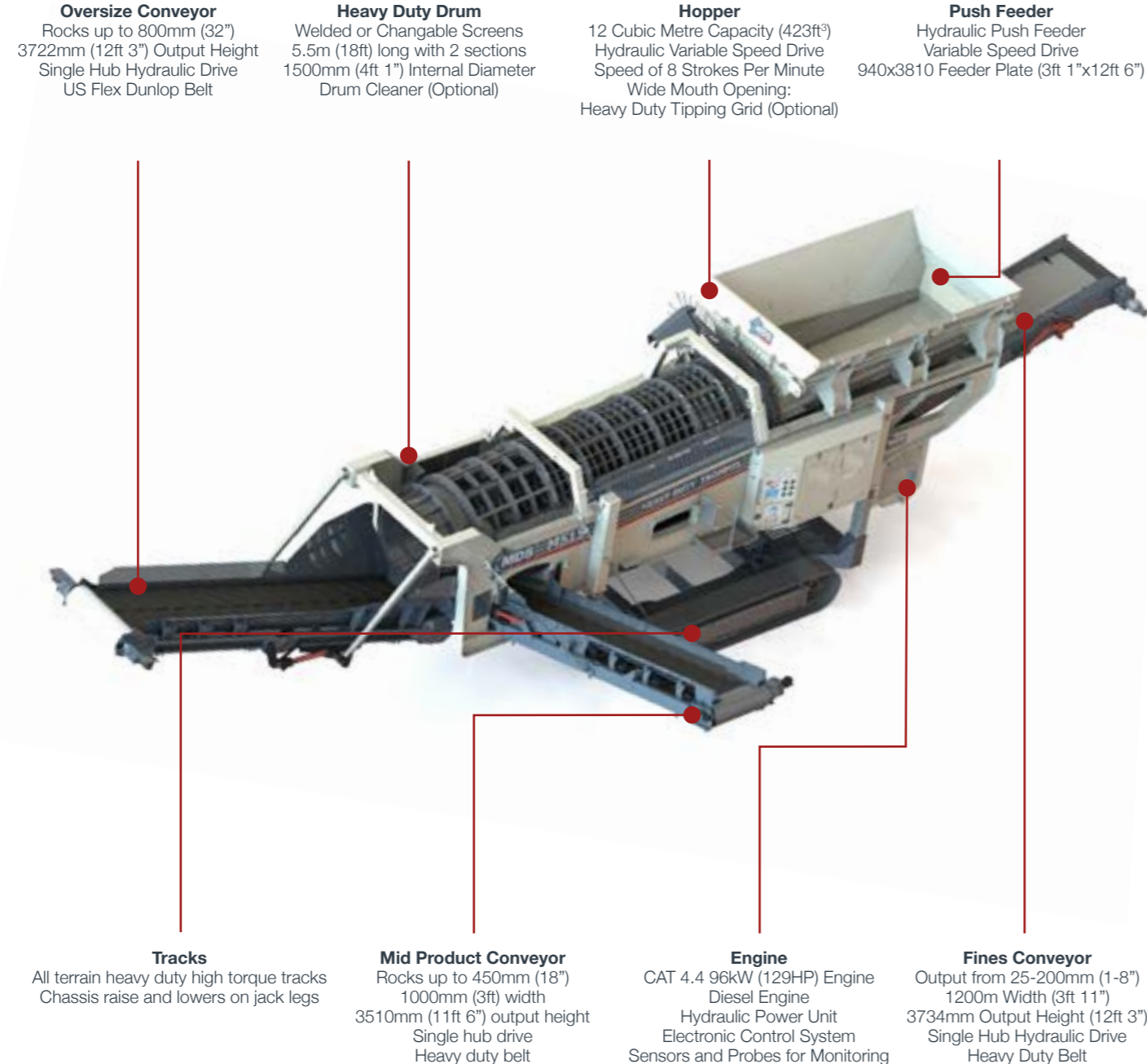
LENGTH: 17,047mm (55ft 11")
 WIDTH: 2,980mm (9ft 9") | 3,179mm (10ft 5") w/Grid
 HEIGHT: 3,500mm (12ft 3") | 3,735mm (12ft 3") w/Grid
 WEIGHT: 48 tonnes (52.9 US Tons)

DISCHARGE HEIGHTS

OVERSIZE: 3,722mm (12ft 3")
 OVERSIZE: 3,510mm (11ft 6")
 FINES: 3,734mm (12ft 3")

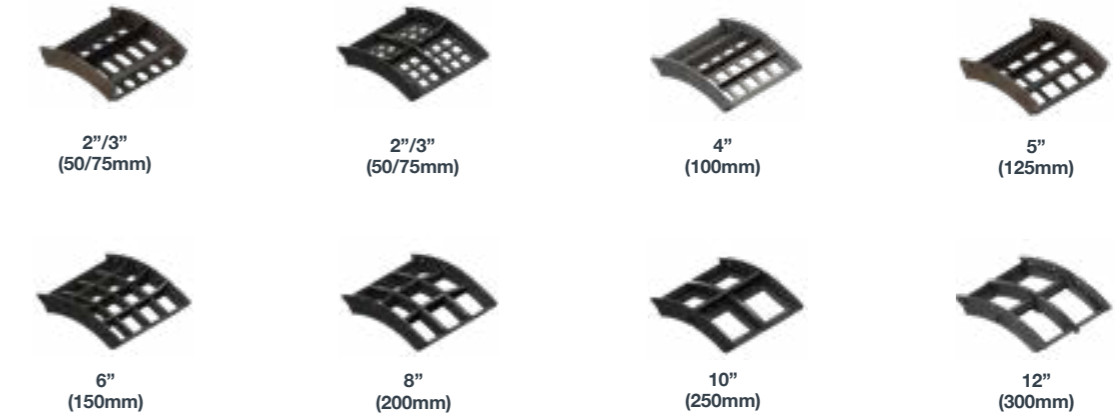
OUTPUT

CAPACITY: 350-500 Tonnes per hour
 (385-550 US Tons PH)



Drums & Screens

The M515 trommel is a versatile unit and can be used in different applications. MDS offers different drum options to cater for the needs of the customers. Drum frame with changeable screens and fully welded drums are available as options.



MDS 515 trommels are made up of a drum with a 4m fines section and 1.5m Mid Product Section. There are various combinations of drums that can be set up on the machine. These are either frames with changeable screens or fully welded drums. The exact configuration depends on the application and requirements of the customer.

Fully welded drum on the fines section is needed if installing a drum cleaner. For sizes bigger than 300mm (12"). Fully welded drum is needed in Mid Product (Max drum size 425mm/16.5")



MDS M518R

The M518R is a compact recycling trommel that is designed to be used in various applications. It is packed with many features and has several options that are quickly interchangeable. It can be fitted with 4 different styles of drums (5m long, 1.8m diameter). The main unit is design on tracks for easy mobility and a transport height just under 3170mm (10' 5").

TRANSPORT DIMENSIONS

LENGTH: 10,374mm (34ft)
 WIDTH: 2,500mm (8ft 2")
 HEIGHT: 3,180mm (10ft 4")
 WEIGHT: 17.9 tonnes (19.73 US Tons/ 39,463lbs)

OUTPUT

CAPACITY: Dependent on Application

Heavy Duty Drum
 1.8m (5ft 11") Diameter
 5m (16t 5") Length
 Available with Brush Cleaner
 Attachment as standard
 Drum Roll Out for Easy Change

Hopper
 50m³ (6.54yd³) Capacity Hopper
 Heavy Duty US Flex Belt Conveyor
 Feed Opening: 3740x1954mm (12ft 3"x 6ft 5")
 920mm (3ft) Belt Width
 Tipping Grid Option Available



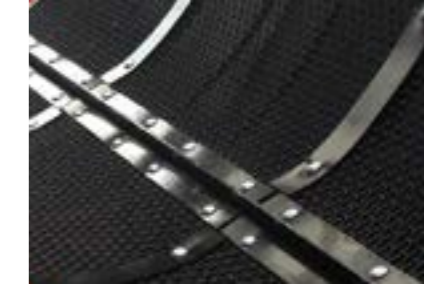
Track Base
 Standard Track Base
 Lower Transport Height
 Easy to Move Around Site

Engine
 CAT 2.2 50kW (67HP) Tier 4 Diesel
 Hydraulic Power Unit
 Electronic Control System
 Sensors and Probes for Monitoring

Drum Types



Square Punch Plate
 5mm to 100mm (13/64"-4") Openings



Wired Mesh
 1mm to 20mm (3/64"-3/4") Openings



MDS M720R

The M720 Recycling trommel is ideal for screening heavy materials from steel to demolition waste and recycling in general. It can be used in a quarry, recycling or construction setting. It can handle material up to 750mm and it great for scalping, cleaning overburden and screening materials into different size streams. It is equipped with 2m (6ft 6") diameter & 7m (22ft 11") long drum.

TRANSPORT DIMENSIONS

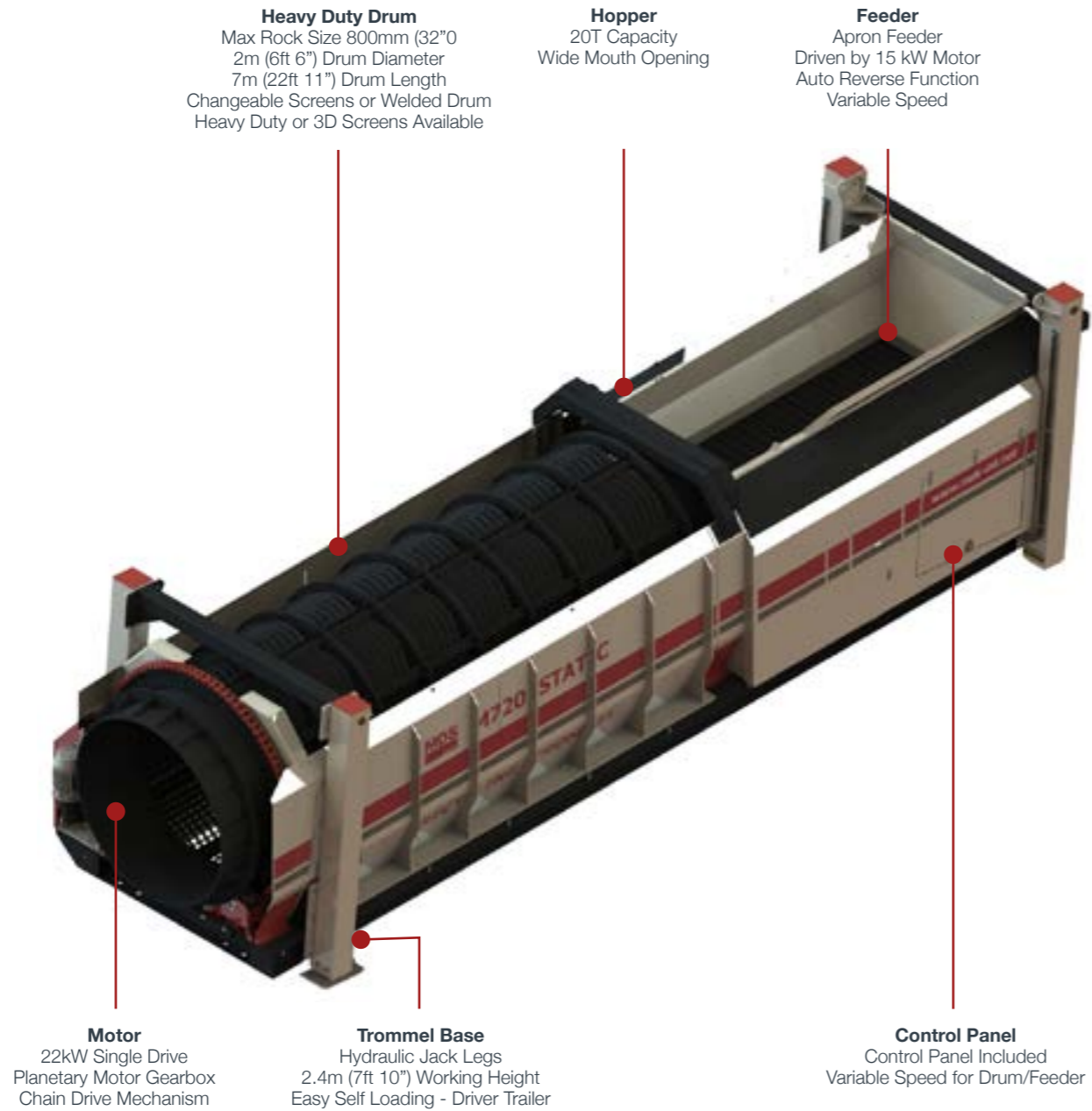
LENGTH: 11,922mm (39ft 1")
 WIDTH: 3,500mm (11ft 6")
 HEIGHT: 3,222mm (10ft 7")
 WEIGHT: 34 tonnes (37 US Tons)

WORKING DIMENSIONS

LENGTH: 11,871mm (38ft 11")
 WIDTH: 3,500mm (11ft 6")
 HEIGHT: 6,512mm (21ft 4")

OUTPUT

CAPACITY: 800 Tonnes per hour
 (882 US Tons PH)



Heavy Duty Drum
 Max Rock Size 800mm (32"Ø)
 2m (6ft 6") Drum Diameter
 7m (22ft 11") Drum Length
 Changeable Screens or Welded Drum
 Heavy Duty or 3D Screens Available

Hopper
 20T Capacity
 Wide Mouth Opening

Feeder
 Apron Feeder
 Driven by 15 kW Motor
 Auto Reverse Function
 Variable Speed

Motor
 22kW Single Drive
 Planetary Motor Gearbox
 Chain Drive Mechanism

Trommel Base
 Hydraulic Jack Legs
 2.4m (7ft 10") Working Height
 Easy Self Loading - Driver Trailer

Control Panel
 Control Panel Included
 Variable Speed for Drum/Feeder





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