



TECHNICAL  
SPECIFICATION

**MT8200T**



# OVERVIEW

TECHNICAL SPECIFICATION



## SPECIFICATION

### 3 WAY SPLIT TROMMEL

**Total Weight:** 165,000 - 195,000kg  
(352,739lbs - 429,900lbs)  
*dependent on spec*

**Trommel Drum:** Internal 8m long x 2m diameter (26' 3" x 6' 7")

**Power Unit:** CAT C7.1 175kW (234hp)

**Plant Colour:** RAL 7030, RAL 3020, RAL 7024, RAL 9005

#### Transport:

The MT8200T is transported in 4 sections

- 2 x 40ft high cube open top container
- Lower module

**Length:** 15.61m (51' 2")  
**Height:** 3.74m (12' 3")  
**Width:** 3.99m (13' 2")

- Upper module

**Length:** 14.37m (47' 2")  
**Height:** 3.82m (12' 6")  
**Width:** 3.58m (11' 9")

#### Working:

**Length:** 19.78m (64' 11")  
**Height:** 7.90m (25' 11")  
**Width:** 24.8m (81' 4")



The MAGNA MT8200T is a tracked trommel designed for heavy duty primary screening. Key applications include Overburden, General Scalping, All Quarried Aggregates, Demolition Waste, RIP-RAP/Armour Rock.

## FEATURES & BENEFITS

- High capacity up to 800 tph / 881 US tph (depending on media sizes & material type)
- Maximum feed size 1000mm (3' 3")
- Maximum allowable feed size may vary depending on material type and trommel screen media
- Heavy duty wear resistant feed hopper
- Quick set-up time
- Maximum mobility with heavy duty, low ground pressure crawler tracks
- Optional radio control system available if required
- Two and three split versions available
- High performance hydraulics system
- Galvanised maintenance platforms on both sides of machine
- MAGNA telemetry as standard

# TROMMEL DRUM

TECHNICAL SPECIFICATION



**Diameter:** Internal 2m (6' 7")

**Length:** 8m (26' 3")

**Incline angle:** 5°

**Screen apertures:**

Fines 25mm - 300mm

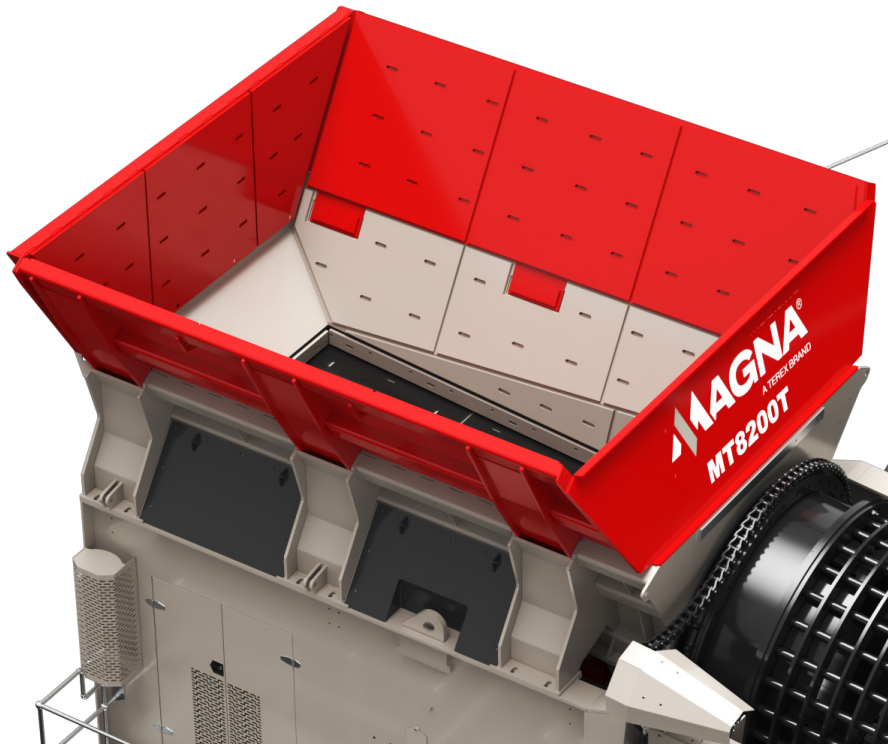
Middle grade 100mm - 720mm



**MT8200T**

# HOPPER & FEEDER

TECHNICAL SPECIFICATION



## **Feed hopper capacity:**

25m<sup>3</sup> (Add flares to increase volume)

## **Construction:**

Monocoque steel frame comprising of box section, I beam, steel plate

## **Feed opening:**

4100mm wide x 4875mm long (13' 5" x 16')

## **Feeder:**

Reciprocating plate feeder fitted directly under feed hopper

## **Plate width:**

1200mm (3' 11")

## **Tray supports:**

10 track frame rollers

## **FINES COLLECTION CONVEYOR**

- 1500mm (60") wide heavy-duty belt
- Located underneath drum
- Feeds fines stacking conveyor

## **FINES STACKING CONVEYOR**

- 1050mm (41") Heavy-duty belt
- Feeding to the side of the machine

**Output height:** 6.56m (21' 5")

## **MID PRODUCT STACKING CONVEYOR**

- 1200mm wide Super duty Apron style steel pan conveyor
- Feeding to the side of the machine

**Output height:** 5.10m (16' 7")

## **OVERSIZE STACKING CONVEYOR**

- 1200mm (47") wide, 5500mm (216") long Standard Apron Feeder
- Feeding to the front of the machine

**Output height:** 4.39m (14' 5")



# POWER UNIT & CONTROL PANEL

TECHNICAL SPECIFICATION



## POWER UNIT

**Engine:** CAT C7.1  
**Performance:** 175 kW (234hp)

**POWER UNIT** Dust & weatherproof to IP55

**Performance:**

- Ignition key switch
- Emergency stop & emergency stop circuit tester
- Various control gauges (Revs and temperatures)



# TRACKS

## TECHNICAL SPECIFICATION



**Type:** Heavy-duty tracks

**High speed:** 0.6km/hr (0.37mph)

**Sprocket centers:** 4.72m (15' 5")

**Flow rate:** 160 Lpm

**Track width:** 600mm (1' 8")

**Gradeability:** 26° maximum



# OPTIONS

TECHNICAL SPECIFICATION



## OPTIONS:

- Drum cleaner for welded drums
- Large extended hopper 70m<sup>3</sup>
- Grade 68 oil
- Auto lubrication system
- Radio controlled tracking
- Hydraulic oil grade 68



## TELEMATICS

A number of MAGNA products can also be fitted with T-Link telemetry system which provides the customer with real time information on the performance of their machine.

Telematics maximises uptime, parts and service availability and provides factual up to date information from the field.



**GPS MACHINE  
TRACKING**



**MACHINE  
DATA**



**FLEET  
OVERVIEW**



**DASHBOARD  
DISPLAY**



**USEFUL  
REPORTING**

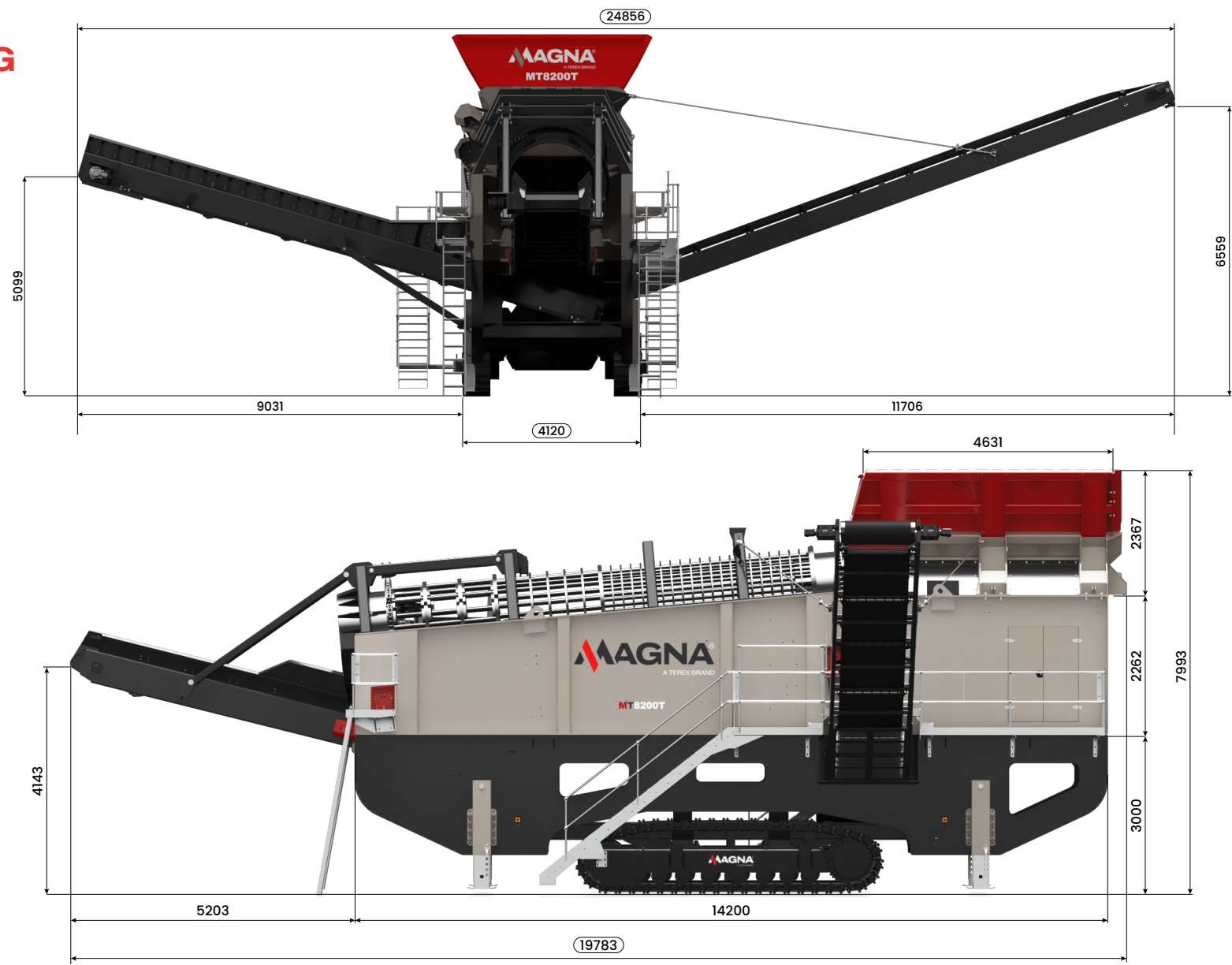


**ENHANCED  
USABILITY**



# DIMENSIONS

WORKING

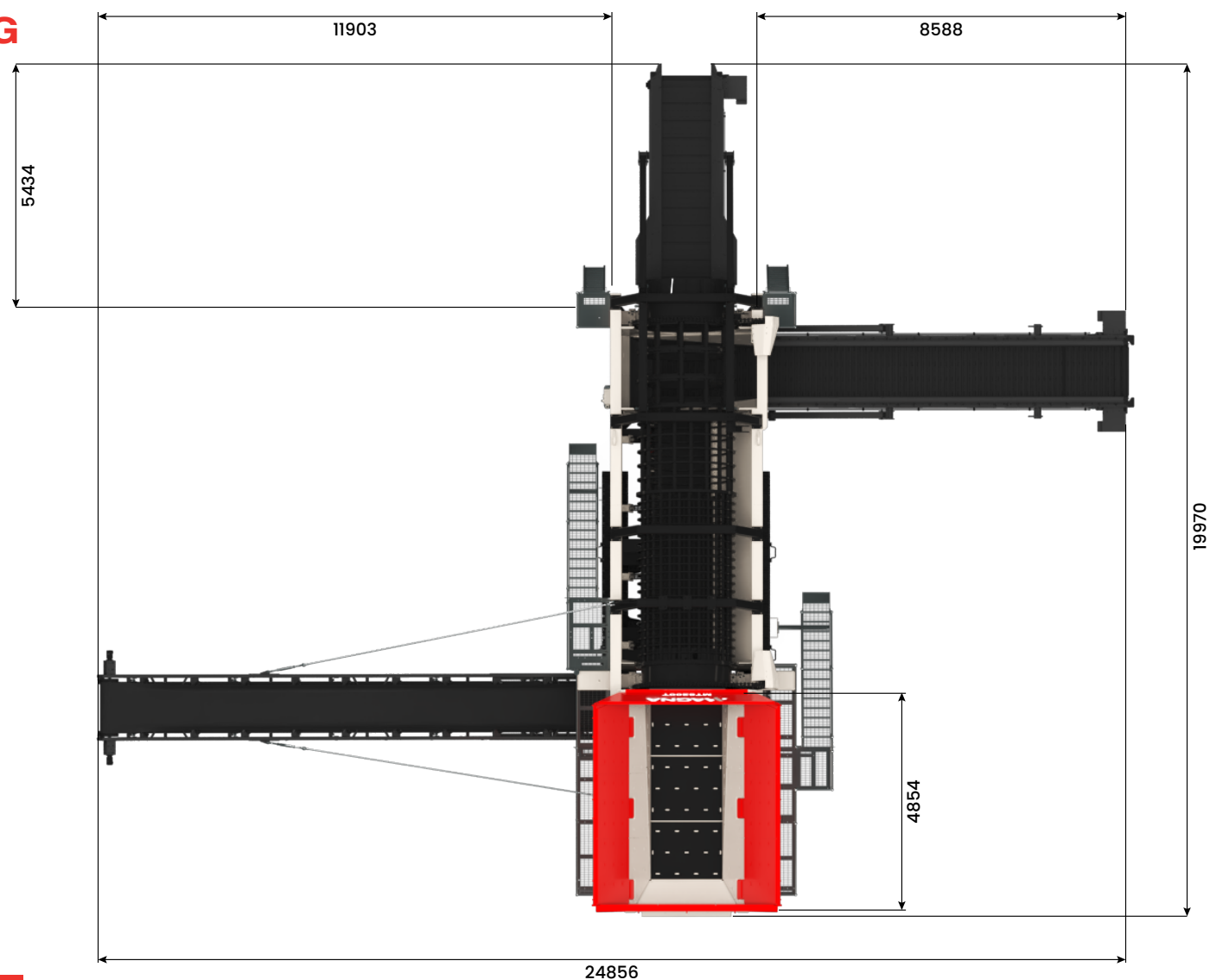


# DIMENSIONS

TECHNICAL SPECIFICATION



WORKING



MT8200T



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