

# RoadStar 1500



## 120tph Mobile Asphalt Plant

RoadStar is a range of highly efficient mobile asphalt mixing plants capable of producing a wide range of mixes to world standards. The three main units of the plant – cold feed, dryer and mixing sections – are all road towable, and on arrival on site can be brought quickly into operation.

### COLD FEED

#### Hoppers

Hopper Capacity 10 m<sup>3</sup> heaped  
Hopper loading width 3 m

#### Belt Feeders

Length 1.7 m  
Width 500 mm  
Drive 2.2 kW  
Capacity 120 tonnes/hour  
Vibrator fitted to sand hopper

#### Collecting Conveyor

Width 500 mm  
Drive 5.5 kW

Travelling Width 2.5 m  
O/all Length 17 m  
O/all Travelling Height 3.9 m

### AGGREGATE DRYER

Drum Diameter 1.8 m  
Drum Length 7.0 m  
Dryer Drive 30 kW  
Plant Capacity 120 tonnes/hour\*

#### Air Volume

**m<sup>3</sup>/hour**  
Dryer 41,885  
Mixing Section 7,850  
Total 49,735

Travelling Width 2.5 m  
O/all Length 13.37 m  
O/all Travelling Height 4.25 m



### Cold Feed

Compact road towable cold feed unit with built in collecting conveyor and dryer feed conveyor. Direct drive motor/gear units give high reliability. High turndown ratio gives accurate control of feed rate. Variable speed control via AC motor and inverter.



### Aggregate Dryer

Road towable unit with high efficiency internal lifter design. Optional insulated and clad drum. Fitted with advanced multi fuel burner.

### Features

- Fully mobile road towable units
- High efficiency burner
- Minimum foundations
- Electronic load cell weighing
- Fast on-site erection
- Standard width conveyor belts

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## Hot Stone Elevator

Elevator Capacity	130 tonnes/hour
Drive	7.5 kW

## Screen

Decks	2
Length	4.0 m
Width	1.5 m
Drive	7.5 kW

## Hot Storage Hoppers

No of Hoppers	4
Capacity	12 tonnes

## Batch Elevator

Capacity	170 tonnes/hour
Drive	7.5 kW

## Paddle Mixer

Batch Capacity	1500 kg
Drive	2 x 18.5 kW

## Weigh Hopper Capacities

Aggregate	1500 kg
Filler	320 kg
Bitument	295 kg

Travelling Width	2.9 m
O/all Length	11.2 m
O/all Travelling Height	4.9 m

## Mixing Section

Compact, low level, towable unit with integral vertical elevator, which folds down for travelling. Heavy duty screen with fully sealed dust housing. Batch weigh hoppers for aggregate, bitumen and filler, all load cell mounted.



Fully synchronised twin shaft, direct motor drive, high efficiency paddle mixer. Hard wearing abrasive resistant liner plates, paddle arms and tips. Discharge into truck or storage facility.

## Control system

Range of control options from key pad to PC-based, fully automatic systems.

**RoadStar**  
Mobile asphalt plant Material flow

