

# RoadStar 3000



## 240tph 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 650 mm  
Drive 3 kW  
Capacity 155 tonnes/hour  
Vibrator fitted to sand hopper

#### Collecting Conveyor

Width 650 mm  
Drive 5.5 kW  
  
Travelling Width 2.5 m  
O/all Length 16.7 m  
O/all Travelling Height 3.9 m

### AGGREGATE DRYER

Drum Diameter 2.5 m  
Drum Length 9.0 m  
Dryer Drive 4x22 kW  
Plant Capacity 260 tonnes/hour\*

#### Air Volume m<sup>3</sup>/hour

Dryer 80,790  
Mixing Section 11,970  
Total 92,760

Travelling Width 3.65 m  
O/all Length 13.1 m  
O/all Travelling Height 4.29 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
- Minimum foundations
- Fast on-site erection
- High efficiency burner
- Electronic load cell weighing
- Standard width conveyor belts

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## Hot Stone Elevator

Elevator Capacity 260 tonnes/hour  
Drive 15 kW

## Screen

Decks 2 (4) sizes plus rejects  
Length 6.0 m  
Width 2.1 m  
Drive 18.5 kW

## Hot Storage Hoppers

No of Hoppers 4  
Capacity 25 tonnes

## Batch Elevator

Capacity 260 tonnes/hour  
Drive 15 kW

## Paddle Mixer

Batch Capacity 3000 kg  
Drive 2 x 37 kW

## Weigh Hopper Capacities

Aggregate 3000 kg  
Filler 650 kg  
Bitument 500 kg

Travelling Width 3.65 m  
Travelling Height 4.85 m  
Travelling Length 14.1 m

## Mixing Tower

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

