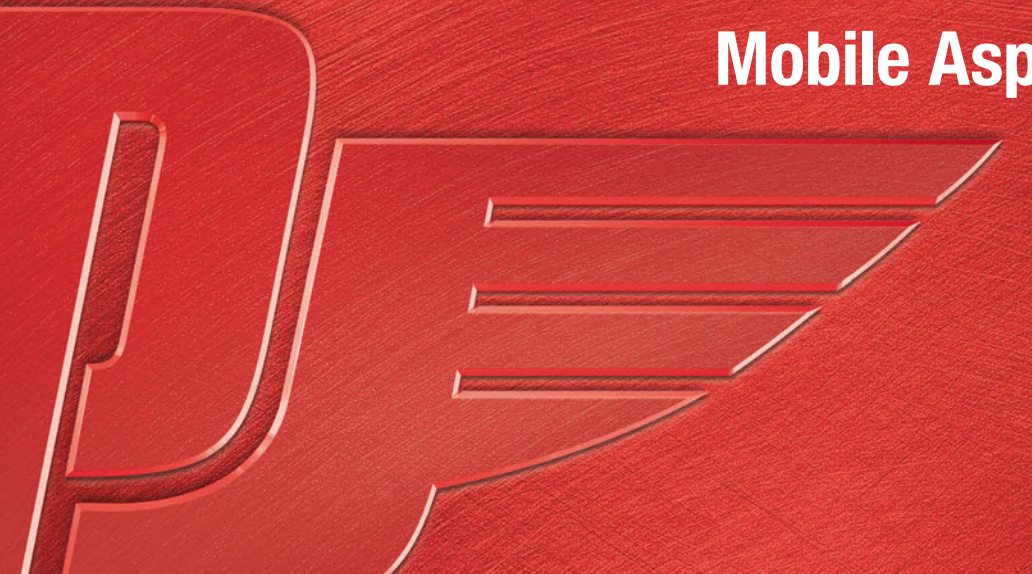




# RoadStar-1500 / -2000 / -3000

## Mobile Asphalt Batch Plant



Quality Engineered  
Excellence Since 1911



# RoadStar 1500 / 2000 / 3000

## Mobile Asphalt Batch Plant

The Parker RoadStar combines quality and mobility to provide one of the most reliable and easily transported asphalt mixing plants available anywhere in the world.

Designed to satisfy the needs of contractors who demand nothing less than the best quality asphalt which is within specification at all times, the Parker RoadStar is the ideal solution for major road and motorway construction projects.

Requiring minimal foundations the RoadStar has been a particular favourite for many international airport surfacing contracts across the world.

The three main units of the plant - cold feed, dryer and mixing sections - are fully mobile and on arrival at site can be brought quickly into operation. Their field proven design offers high reliability with low maintenance.



### Product Range



Material flow for a RoadStar 1500.



**RoadStar 1500 - 120tph**

By far the most popular machine in the range, with a capacity of 120tph.



**RoadStar 2000 - 160tph**

Producing up to 160tph, the RoadStar 2000 has proven its ability to deliver high specification mixes on many airports contracts worldwide.



**RoadStar 3000 - 240tph**

Able to deliver up to 240tph, the RoadStar 3000 is the model of choice for larger production contracts.



**Cold Feed**

Multi-hopper, road mobile cold feed unit with built in collecting conveyor and dryer feed conveyor. Direct drive geared motor units give high reliability. Accurate variable speed control via AC motor and inverter.



**Aggregate Dryer**

Road mobile unit with high efficiency internal lifter design, optional insulated and clad drum. Integrated primary dust cyclones and highly efficient burner all on one chassis.



**Mixing Section**

Low-level, mobile unit with integral vertical hot elevator, which fold 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 geared paddle mixer.

# Technical Specifications

	Units	RS1500	RS2000	RS3000
<b>Plant Capacity</b>				
Output*	tph	120	160	240
<b>Cold Feed</b>				
Hopper Capacity (heaped)	m <sup>3</sup>	10.0	10.0	12.0
Hopper Loading Width	m	3.0	3.0	3.5
Belt Feeder Length	m	1.7	1.7	1.7
Belt Width	mm	500	500	650
Belt Feeder Drive	kW	2.2	2.2	3.0
Vibrator Fitted to Sand Hopper		YES	YES	YES
Collecting Conveyor Width	mm	500	650	650
Collecting Conveyor Drive	kW	5.5	5.5	7.5
<b>Aggregate Dryer</b>				
Dryer Drum Diameter	m	1.8	2.2	2.5
Dryer Drum Length	m	7.0	8.0	9.0
Dryer Drive	kW	30.0	4 x 15.0	4 x 22.0
Dryer Capacity	tph	140	180	260
<b>Air Volume</b>				
Dryer	m <sup>3</sup> /h	41,885	62600	80,760
Mixing Section Including Filler Silo	m <sup>3</sup> /h	9,550	9,990	12,600
Total	m <sup>3</sup> /h	51,435	72,590	93,360
<b>Hot Stone Elevator, Screen &amp; Mixing Section</b>				
Elevator Capacity	tph	130	170	240
Elevator Drive	kW	7.5	11.0	15.0
Screen Decks	No.	2 (4 size + rejects)	2 (4 size + rejects)	2 (4 size + rejects)
Screen Length	m	4.0	5.0	6.0
Screen Width	m	1.5	1.8	2.1
Screen Drive	kW	7.5	11.0	18.5
Hot Storage Capacity	t	12	17.7	28
Hot Storage Bins	No.	4	4	4
Batch Elevator Capacity	tph	130	170	240
Batch Elevator Drive	kW	7.5	7.5	15.0
Aggregate Weigh Hopper Capacity	kg	1500	2000	3000
Bitumen Weigh Hopper Capacity	kg	290	300	480
Filler Weigh Hopper Capacity	kg	320	350	630
Paddle Mixer Capacity	kg	1500	2000	3000
Paddle Mixer Drive	kW	2 x 18.5	2 x 22.0	2 x 37.0

\*Plant capacity is based on 3% moisture content of feed aggregate with 0.5% residual moisture content of mixed materials, dryer discharge temperature of 160°C, ambient temperature 15°C at altitude 150m above sea level, aggregate bulk density average 1600kg/m<sup>3</sup>, 5% bitumen content, 45 second weigh/mix cycle at 100% plant utilisation.

## Benefits

- Fully mobile road towable units
- Minimum foundations required
- Fast on-site erection
- Factory pre-wired & fully tested
- Inverter controlled exhaust fan
- Dust emissions less than 20mg/Nm<sup>3</sup>

DEALER STAMP
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