



# SpotMix 300

## Mobile Asphalt Batch Mixing Plant



Quality Engineered  
Excellence Since 1911

# SpotMix 300 - 18tph

The latest version of the well-known 'SpotMix' 300 is the MKIII, with features which include a new improved drive arrangement, easier on-board bitumen management and a more fuel efficient burner system. This compact and highly mobile plant is ideal for on-site production of quality asphalt for smaller surfacing duties, especially in less accessible and confined localities, car-parks, small areas of road or road maintenance jobs. The 'SpotMix' 300 is capable of producing up to 18 tonne of coated mixed material per hour and has been designed and built using only quality parts. The model shown also incorporates on-board electrical generator.

## Aggregate Batching:

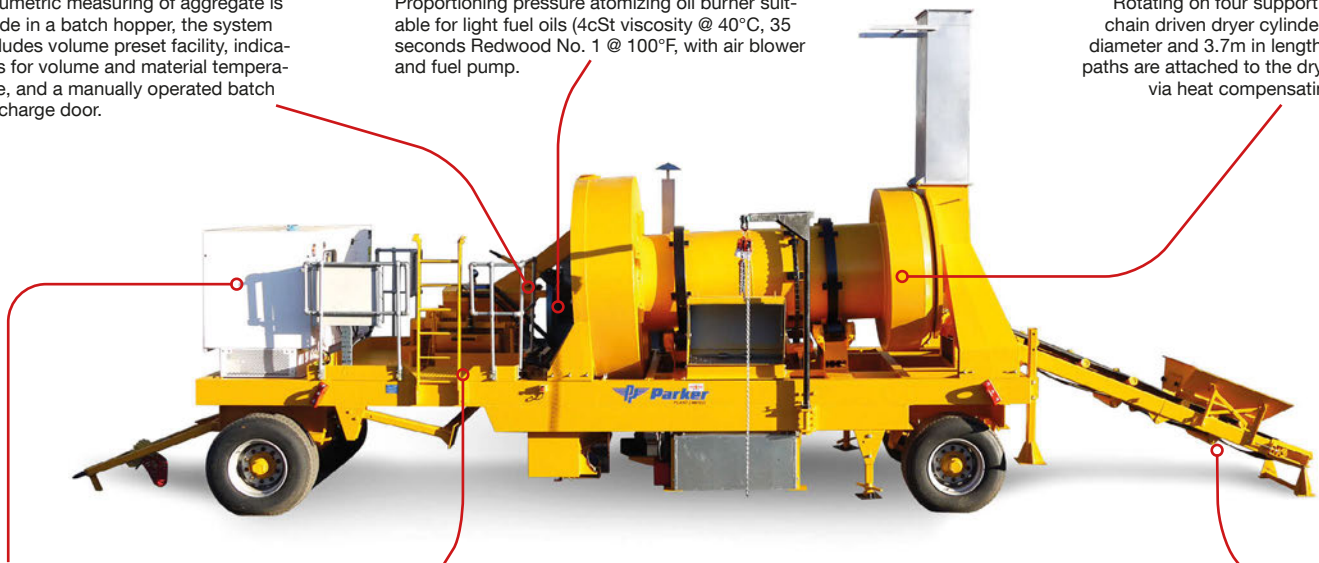
Volumetric measuring of aggregate is made in a batch hopper, the system includes volume preset facility, indicators for volume and material temperature, and a manually operated batch discharge door.

## Burner:

Proportioning pressure atomizing oil burner suitable for light fuel oils (4cSt viscosity @ 40°C, 35 seconds Redwood No. 1 @ 100°F, with air blower and fuel pump.

## Cylindrical Dryer:

Rotating on four support rollers, the chain driven dryer cylinder is 1.1m in diameter and 3.7m in length. The roller paths are attached to the dryer cylinder via heat compensating mounts.



## Power Unit:

Air cooled 3-phase diesel power generating unit in a sound-proof canopy.

## Paddle Mixer:

Twin-shaft paddle mixer ensures thorough circulation of materials and even distribution of bitumen. Paddle tips and liners are replaceable and are made from high wear-resisting alloy. Discharge door is manually operated.

## Feed Conveyor:

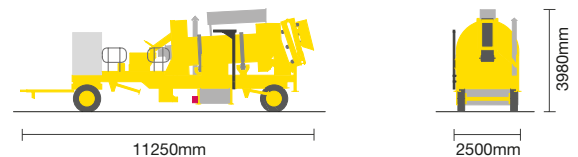
Inclined belt feeder with electric drive & troughed plain belt. Fabricated feed hopper and belt feeder pivot back for travelling.

## Bitumen System:

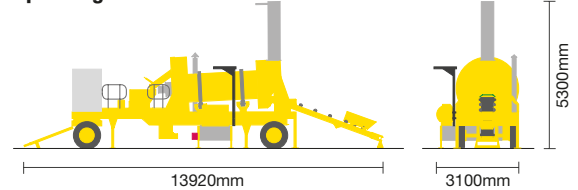
Integrated bitumen decanting, heating and storage, includes insulated and clad storage tank that rolls outwards when in operation, Drum lifting davit and drum hood, Oil burner for transfer of heat through heating tube and integrated exhaust stack, bitumen pump, temperature gauge and bitumen ring main. Bitumen weigh gear is via hand-tilted measuring trough fitted as standard and calibrated for measuring different volumes of bitumen directly into the paddle mixer.



## Travelling Dimensions:



## Operating Dimensions:



SpotMix	Feed Conveyor Capacity [t/h]	Feed Conveyor Width [mm]	Aggregate Dryer [mm]	Mixer Capacity [kg]	Bitumen tank Capacity [litres]	Aggregate Burner [l/h]	Power Pack Rating [KVA]	Approximate Hourly Output [tonnes per hour]					
								6% Feed Moisture		3% Feed Moisture		1% Feed Moisture	
								Material Leaving Dryer @ 190°C		Material Leaving Dryer @ 130°C		Material Leaving Dryer @ 175°C	
<b>300</b>	20	500	1100 x 3700	270	3000	120	60	10	18	18	18		

**NOTE:** Capacities quoted are intended as a guideline only, and are based on a clean, dry graded continuous feed material (weighing 1600kg/m³ (100lb/ft³) and a S.G. of 2.7 average), which will readily enter the crusher feed opening without obstruction, with 100% greater than the jaw setting and 25% less than twice the jaw setting. Actual capacities can vary considerably from those given, due to the following application and operational factors: 1) **MATERIAL** - Friability & Toughness, 2) **FEED CONDITIONS** - Grading of feed size (Compliance with Euro STD), 3) **INSTALLATION** - Method of feeding, Removal of under size. [Operation at settings outside those stated should be referred to the works].

**Parker Plant Limited, Viaduct Works, Canon Street, Leicester, LE4 6GH, United Kingdom**

**T: +44 (0) 116 266 5999 F: +44 (0) 116 261 0812 W: www.parkerplant.com E: sales@parkerplant.com**

All reasonable steps have been taken to ensure the accuracy of this publication. However, due to our policy of continual product development, Parker Plant Limited reserve the right to change details without prior notice. All machines supplied in accordance with our standard conditions. Illustrations and photos may show optional equipment. All rights reserved.