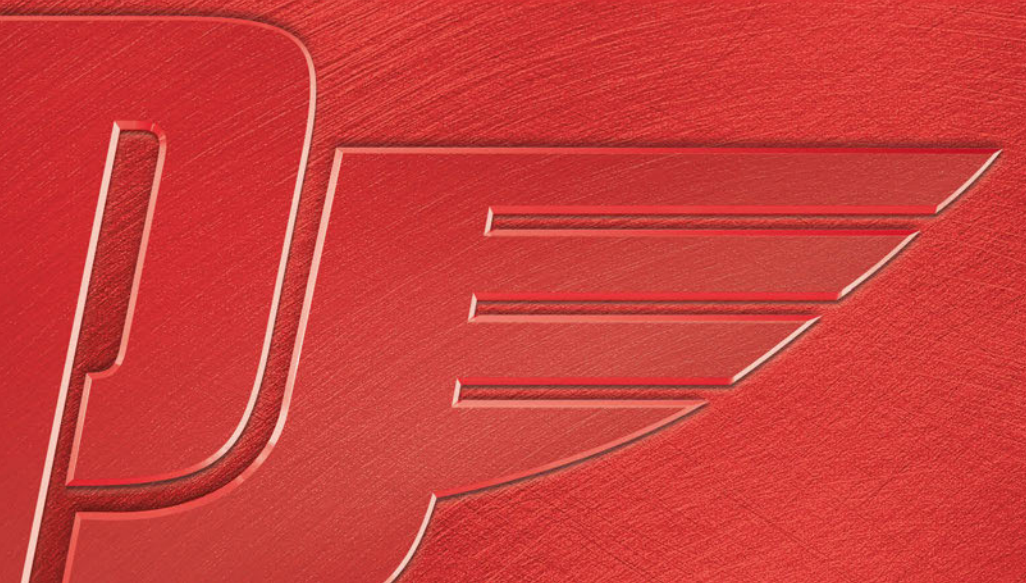




Stationary Asphalt Batch Plant



StarMix-2000 / 3000 / 4000 / 5000



**Quality Engineered
Excellence Since 1911**



StarMix 2000 / 3000 / 4000 / 5000

Stationary Asphalt Batch Plant

The Parker StarMix range embodies all that is the very best in asphalt plant design.

A first choice for contractors making a major long term investment in a high capacity, high performance plant and seeking to secure and ensure reliable, financially viable, quality asphalt production and supply on a regional basis for many years to come.

Meeting all the criteria for a high performance and environmental plant, the StarMix is able to provide major asphalt production capabilities and can draw on an extensive range of options and configurations to choose from. Specific and exacting requirements of individual clients are able to be met in full in this high-end market sector.



Product Range



Cold Feed

Compact transportable multi-hopper, 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

Fully insulated and clad aggregate dryer. Drive by electric motors and gear unit through polymer friction drive support rollers.



Screen

Twin shaft oil lubricated screen fully enclosed in an acoustic dust housing.



Paddle Mixer

Fully synchronised twin shaft paddle mixer with abrasion resistant liner plates, paddle arms and tips.



StarMix 2000 - 160tph

Intended to satisfy the European market the SM2000 offers a multi-deck oil lubricated screen and five hot storage bins to cater for high specification mixes.



StarMix 3000 - 240tph

The StarMix 3000 high level is a popular choice for those who want to service larger major highway contracts. The 3000HL offers 300 tons of mixed material storage.



StarMix 4000 - 320tph

Maximising all the features of the standard StarMix the 4000 is also available as a high level option. Available options include the addition of RAP and fibre additives.



StarMix 5000 - 400tph

For major motorways and highways contracts the 5000 offers everything required to maximise production, recycle material, reduce emissions and keep cost to a minimum.

Technical Specifications

	Units	SM2000	SM3000	SM4000	SM5000
Plant Capacity					
Output*	tph	160	240	320	400
Cold Feed					
Hopper Capacity (heaped)	m ³	9.5	11.5	15.0	15.0
Hopper Loading Width	m	3.0	3.5	4.0	4.0
Belt Feeder Length	m	1.5	1.8	1.8	1.8
Belt Width	mm	500	600	750	900
Belt Feeder Drive	kW	2.2	3.0	3.0	4.0
Vibrator Fitted to Sand Hopper		YES	YES	YES	YES
Collecting Conveyor Width	mm	600	750	800	900
Collecting Conveyor Drive	kW	5.5	5.5	7.5	7.5
Aggregate Dryer					
Dryer Drum Diameter	m	2.2	2.5	2.8	3.1
Dryer Drum Length	m	8.0	9.0	10.0	11.0
Dryer Drive	kW	4 x 15.0	4 x 22.0	4 x 30.0	4 x 37.0
Dryer Capacity	tph	180	260	340	420
Air Volume					
Dryer	m ³ /h	62,600	80,835	101,400	124,230
Mixing Section	m ³ /h	9,990	12,623	17,425	21,425
Total	m ³ /h	72,590	93,458	118,825	145,655
Hot Stone Elevator, Screen & Mixing Section					
Elevator Capacity	tph	180	260	340	420
Elevator Drive	kW	22.0	30.0	30.0	45.0
Screen Decks	No.	6 (6 sizes + rejects)	6 (6 sizes + rejects)	6 (6 sizes + rejects)	6 (6 sizes + rejects)
Screen Length	m	3.3	4.0	4.0	5.0
Screen Width	m	1.8	2.2	2.2	2.6
Screen Drive	kW	2 x 15	2 x 15	2 x 15	2 x 22
Hot Storage Capacity	t	60	60	60	60
Hot Storage Bins	No.	6	6	6	6
Aggregate Weigh Hopper Capacity	kg	2250	3250	4250	5250
Bitumen Weigh Hopper Capacity	kg	350	550	650	800
Filler Weigh Hopper Capacity	kg	450	650	900	1050
Paddle Mixer Capacity	kg	2250	3250	4250	5250
Paddle Mixer Drive	kW	2 x 22.0	2 x 37.0	2 x 45.0	2 x 55.0

*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/m³, 5% bitumen content, 45 second weigh/mix cycle at 100% plant utilisation.

Benefits

- Flexibility of plant layout - standard or high level design
- Low maintenance operation
- Environmental design - sheeted and clad to customers requirements
- High thermal efficiency dryer with unique replaceable lifter design
- Multi-fuel burner
- Fully automatic controls
- Can be extended/retrofitted with numerous options at a later stage
- High performance production plant with up to 7 hot storage bins

DEALER STAMP

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

T: +44 (0) 116 266 5999 F: +44 (0) 116 266 4422 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.