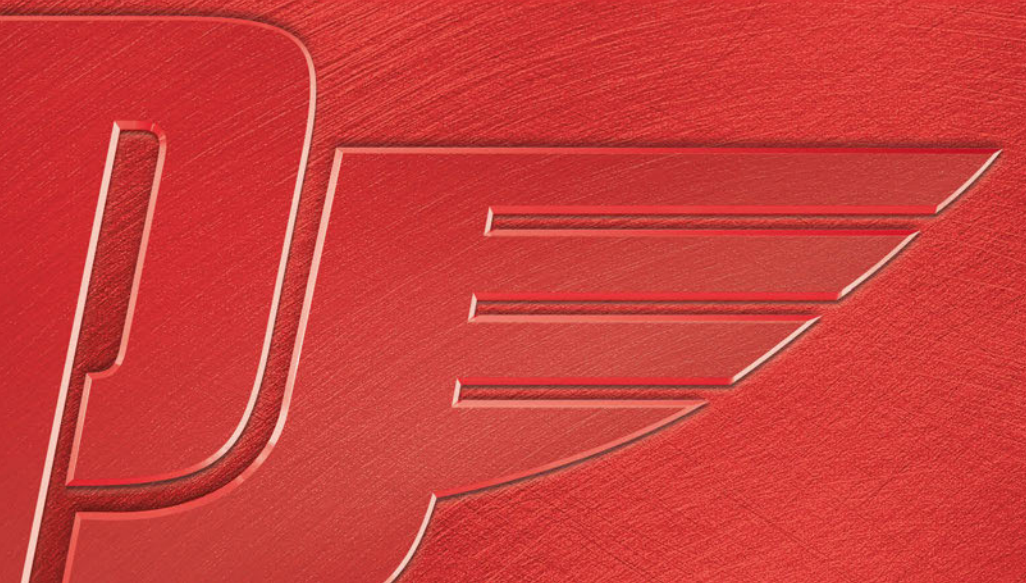




Modular Asphalt Batch Plant



StarBatch 1000 / 1500 / 2000 / 2500



Quality Engineered
Excellence Since 1911

Modular Asphalt Batch Plant

The modular concept of the Parker StarBatch range is designed to offer contractors a plant that is easy to transport, easy to erect and easy to dismantle, having the ability to reliably produce quality asphalt for use in more remote locations on either short or long term contracts while at the same time maintaining many of the benefits of a traditional tower plant.

The range includes the StarBatch 1000, 1500, 2000 & 2500. Four models with capacities from 80 to 200 tph, each designed to utilise the full air-flow capacity of the dryer and matching bag filters thereby enabling maximum production capabilities even with elevated moisture in the feed source.

Available with fully sheeted, modular sections, the StarBatch sheeted versions feature integral single or twin filler silos. The hot stone elevator and access stairway are enclosed within the sheeting, improving plant aesthetics and ensuring minimum visual impact on the surrounding environment.



Cold Feed

Compact transportable, multi-compartment, 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

Transportable unit with high efficiency internal lifter design, optional insulated and clad drum. Available with a range of advanced design multi-fuel burners.



Mixer

Twin shaft, direct geared motor driven, high efficiency paddle mixer. Hard wearing abrasion resistant liner plates, paddle arms and tips. Discharge to truck or mixed material storage facility.



Controls

Range of controls options from key pad to PC based, fully automatic systems, with programmable recipe storage.



Product Range



StarBatch 1000 - 80tph

Small capacity asphalt plant that is capable of 80tph. Small and compact this modular plant can be transported with ease.



StarBatch 1500 - 120tph

Popular in capacity and available with integral filler silos and stairwell; completely sheeted on the outside this option is proving popular in urban areas.



StarBatch 2000 - 160tph

The StarBatch 2000 is a popular choice for medium sized operators who require flexibility in their operations. The StarBatch is available fully sheeted.



StarBatch 2500 - 200tph

Proven design throughout the StarBatch 2500 provides high capacity without compromising mix quality. A suitable choice for high end users.

Technical Specifications

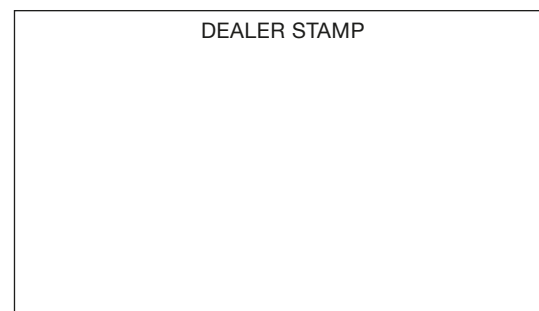
	Units	SB1000	SB1500	SB2000	SB2500
Plant Capacity					
Output ¹	tph	80	120	160	200
Cold Feed					
Hopper Capacity (heaped)	m ³	9.5	9.5	9.5	11.5
Hopper Loading Width	m	3.0	3.0	3.0	3.5
Belt Feeder Length	m	1.5	1.5	1.5	1.8
Belt Width	mm	500	500	500	600
Belt Feeder Drive	kW	2.2	2.2	2.2	3.0
Vibrator Fitted to Sand Hopper		YES	YES	YES	YES
Collecting Conveyor Width	mm	500	500	600	750
Collecting Conveyor Drive	kW	4.0	5.5	5.5	5.5
Aggregate Dryer					
Dryer Drum Diameter	m	1.5	1.8	2.2	2.5
Dryer Drum Length	m	6.5	7.0	8.0	9.0
Dryer Drive	kW	22.0	30.0	4 x 15.0	4 x 22.0
Dryer Capacity	tph	90	130	180	220
Air Volume					
Dryer	m ³ /h	29,080	41,885	62,600	67,365
Mixing Section	m ³ /h	7,650	9,550	9,990	12,623
Total	m ³ /h	36,730	51,435	72,590	79,990
Hot Stone Elevator, Screen & Mixing Section					
Elevator Capacity	tph	90	130	180	220
Elevator Drive	kW	11.0	11.0	15.0	22.0
Screen Decks	No.	2 / 3½*	2 / 3½*	2 / 3½*	2 / 3½*
Screen Length	m	3.0 / 4.0*	4.0	5.0	6.0
Screen Width	m	1.5 / 1.5*	1.8	1.8	1.8
Screen Drive	kW	7.5 / 11.0*	11.0 / 15.0*	11.0 / 15.0*	15.0 / 18.5*
Hot Storage Capacity	t	20	35	40	45
Hot Storage Bins	No.	4 / 6	4 / 6	4 / 6	4 / 6
Aggregate Weigh Hopper Capacity	kg	1250	1750	2250	2750
Bitumen Weigh Hopper Capacity	kg	150	290	350	500
Filler Weigh Hopper Capacity	kg	200	320	450	650
Paddle Mixer Capacity	kg	1250	1750	2250	2750
Paddle Mixer Drive	kW	2 x 11.0	2 x 18.5	2 x 22	2 x 37.0

¹ 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.

* Optional 3½ deck screen

Benefits

- Compact low profile, modular design
- Fast on site build up
- External or internal access stairways - Sheeted option
- Electronic load cell weighing
- High efficiency burner
- Bitumen injection system
- Efficient bag filter and inverter controlled exhaust fan
- High reliability - low maintenance



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