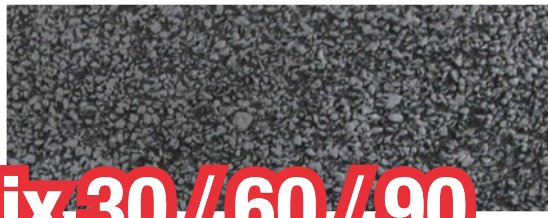
Parker
PLANT LIMITED

Mobile Asphalt Batch Plant



Super-Roadmix 30 / 60 / 90

Quality Engineered
Excellence Since 1911

Super-Roadmix 30 / 60 / 90

Mobile Asphalt Batch Plant

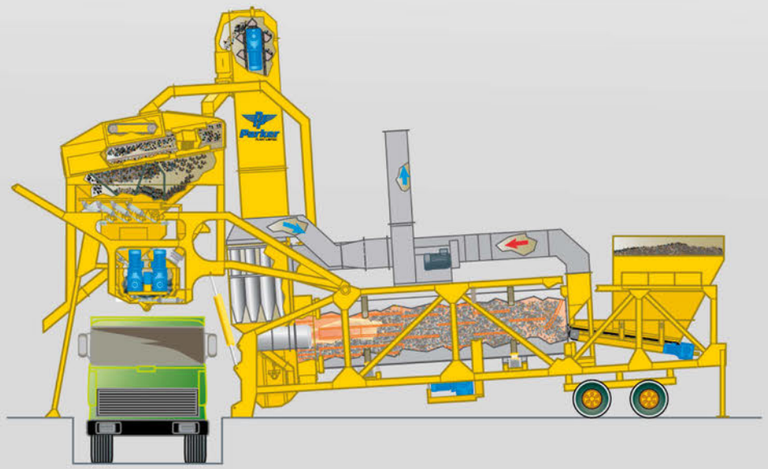
Compact and highly mobile, the Super-Roadmix range fulfils all the requirements of a truly mobile asphalt plant.

Mounted on a single chassis are all the components necessary to repeatedly and reliably deliver upto 90 t/h of high quality asphalt.

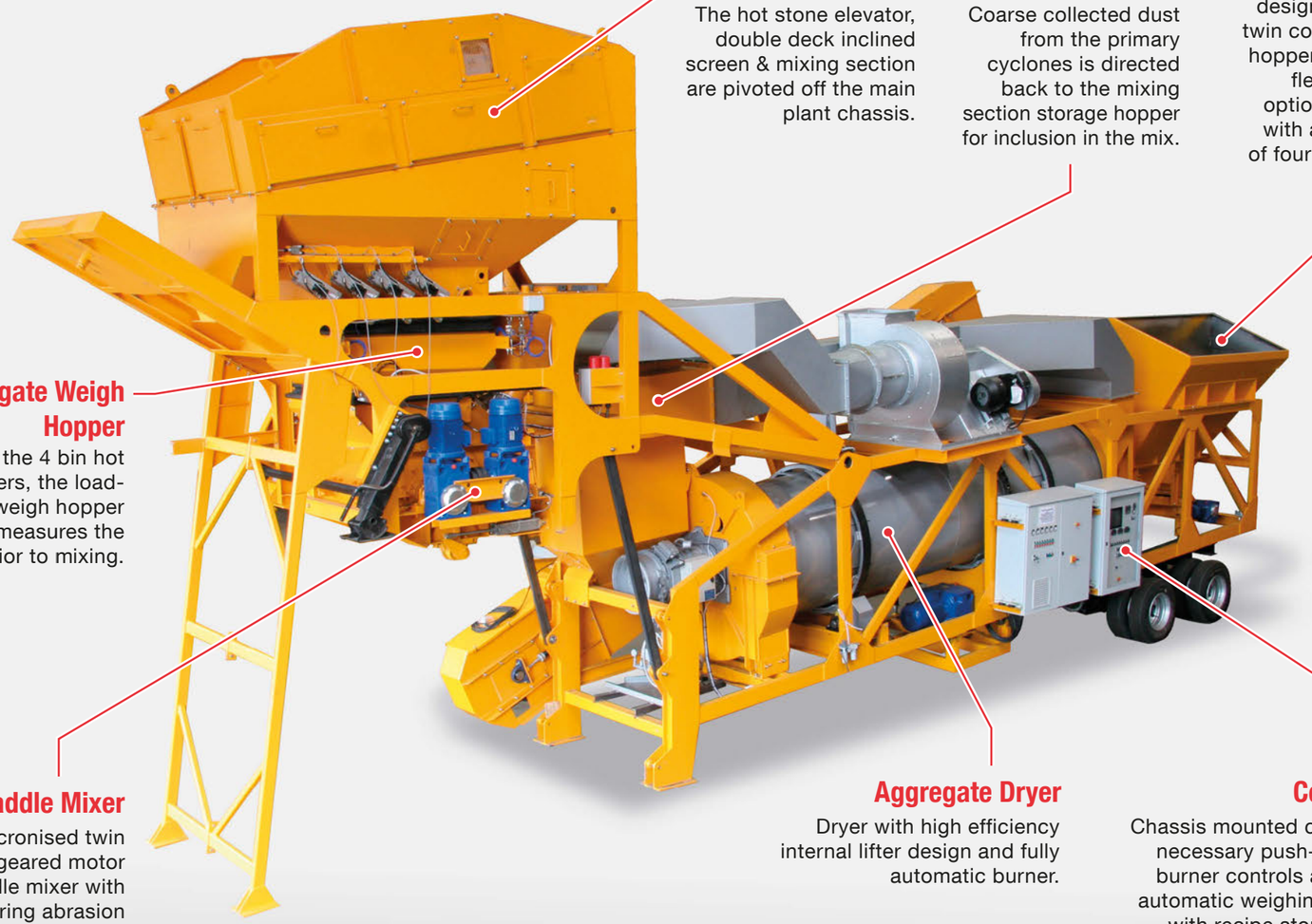
Comprising a twin compartment feed hopper, dryer, automatic burner, hot stone elevator, inclined vibrating screen, load-cell weighing system, twin-shaft paddle mixer, primary dust cyclones and full PLC controls.

Unique single chassis design with combined two bin feed unit

Optional configuration with separate three or four bin mobile feed unit



Material Flow for a Super-Roadmix single chassis with combined 2 bin compartment feed unit



Screening & Mixing Section

The hot stone elevator, double deck inclined screen & mixing section are pivoted off the main plant chassis.

Primary Dust Collection

Coarse collected dust from the primary cyclones is directed back to the mixing section storage hopper for inclusion in the mix.

Feed Hopper

The single chassis design incorporates a twin compartment feed hopper, but for greater flexibility it can be optionally configured with a separate three of four bin mobile cold feed unit.

Aggregate Weigh Hopper

Sitting below the 4 bin hot storage hoppers, the load-cell mounted weigh hopper accurately measures the batch prior to mixing.

Paddle Mixer

Fully syncronised twin shaft, direct geared motor drive paddle mixer with hard wearing abrasion resistant liner plates, paddle arms and tips.

Aggregate Dryer

Dryer with high efficiency internal lifter design and fully automatic burner.

Control System

Chassis mounted consoles with all necessary push-button starters, burner controls and PLC based, automatic weighing/mixing cycles with recipe storage via a touch screen interface.

Features

Pivoting Screening / Mixing Section & Hot Stone Elevator

The entire screening & mixing section and the hot stone elevator are pivoted off the main chassis and raised manually with no cranes necessary into their operating position within minutes.

Dust Filtration (Option)

The Super-Roadmix range can be combined with a mobile or fixed bag filter to contain emission levels to less than 20mg/m3.

Control Cabin (Option)

Optional air-conditioned control cabin with PLC based touch screen control system.

Technical Specifications

	Units	SRM30	SRM60	SRM90
Plant Capacity				
Output*	tph	30	60	90
Cold Feed				
Hopper Capacity (heaped)	m³	5.0	7.0	9.0
Hopper Compartments	No.	2	2	2
Hopper Loading Width	m	2.0	2.5	3.0
Hopper Loading Height	m	3.2	3.55	3.9
Belt Feeder Length	m	1.8	2.5	3.2
Belt Width	mm	500	500	500
Belt Feeder Drive	kW	4	4	4
Aggregate Dryer				
Dryer Drum Diameter	m	1.2	1.4	1.6
Dryer Drum Length	m	4.5	5.5	6.5
Dryer Drive	kW	11.0	15.0	22.0
Dryer Capacity	tph	30	60	95
Dryer Air Volume	m³/h	11,650	16,000	29,800
Exhaust Fan Drive	kW	18.5	22	30
Hot Stone Elevator, Screen & Mixing Section				
Elevator Capacity	tph	35	70	95
Elevator Drive	kW	4.0	5.5	7.5
Screen Decks	No.	2	2	2
Screen Length	m	2.0	3.0	3.0
Screen Width	m	1.0	1.2	1.5
Screen Drive	kW	4.0	5.5	7.5
Hot Storage Capacity	t	3.2	6.4	9.6
Hot Storage Bins	No.	4	4	4
Aggregate Weigh Hopper Capacity	kg	400	750	1200
Bitumen Weigh Hopper Capacity	kg	60	120	180
Filler Weigh Hopper Capacity	kg	75	150	240
Paddle Mixer Capacity	kg	400	800	1200
Paddle Mixer Drive	kW	2 x 5.5	2 x 7.5	2 x 11

*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.

[1] Transport length with and without feed hoppers mounted on dryer/mixing chassis (i.e. optional separate mobile feed unit).

Note: Bag filter specification listed separated

Travelling Dimensions	SRM30	SRM60	SRM90
Dryer / Mixing Section			
Width (mm)	2600	2900	3200
Length (mm)	11200/13200[1]	12650/15700[1]	15000/18000[1]
Height (mm)	4150	4800	4850
Weight (mm)	15t/18t	19t/22t	23t/26t
Cold Feed Unit (Optional)			
Width (mm)	2100	2300	2500
Length (mm)	12850	14850	16850
Height (mm)	3200	3500	3900
Weight (t)	9.0	11.0	13.0

Benefits

- Unique single chassis design
- Fully mobile road towable
- Fast on-site setup & relocation
- No on-site craneage required
- Factory pre-wired & fully tested
- Inverter controlled exhaust fan

DEALER STAMP

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