

Shaanxi Roadbest Road Construction Machinery Co., Ltd.

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- Faithful - Practical - Dedicated -
- Efficient - Communication - Service -

2023

Road connects the sky with the ground,
and prospers the nation and enriches
people.

LB-Series Asphalt Mixing Plant

Shaanxi Roadbest Road Construction
Machinery Co., Ltd.

CHINA

Shaanxi Roadbest Road Construction Machinery Co., Ltd.



Shaanxi Roadbest Road Construction Machinery Co., Ltd has been a professional manufacturer of road building and construction machinery for 22 years. Our company is located in Shaanxi, Xixian new area. It is a center of energy, finance and trade along the Silk Road Economic Belt. Our company has gathered a large number of management and technical talents who have the courage to explore and innovate and are good at business management. It has developed a number of electromechanical and hydraulic integration products in the high-tech field, promoting the stable and rapid development of the company, and becoming a bright and dazzling new star rising from the first economic and technological development zone.



Our Main Products

Current products and R&D products include:

LB-series asphalt mixing plant,
WCB-series stabilized soil mixing equipment,
YLB-series mobile asphalt mixing plant,
QLB-series batch asphalt mixer,
LB-S series asphalt spraying truck,
asphalt synchronous chip sealer,
emulsified asphalt slurry seal machine
and other high-level pavement maintenance equipment.



Our Services

Our company offers customers one stop solutions ranging from products design, manufacturing, selling, technical guidance and installation. We also provide technician training and after sales service. To devote ourselves to what customer needs, we provide high quality products and service with high performance and good price. With our customers' support and trust, our products have been exported to Mongolia, Nigeria, Sierra Leone, Indonesia and other countries.



LB- Series Asphalt Mixing Plant Batch Mixing

The LB batch asphalt concrete mixing equipment adopts the advanced asphalt mixing technique and process from the foreign countries. It is a new product by combining our many years of experience in the production of asphalt concrete mixing equipment.

It is characterized by integrated system structure, fast transportation, and convenient installation and calibration. The operation system is easy to operate and the performance is stable and reliable. From installation to production, it will not last more than 25 working days. Besides, it is equipped with the advanced PLC automatic control and monitoring system, with automatic/manual operations and fault diagnosis and early warning functions.

The asphalt mixer meets the national standards to cover the usage of highway construction, ranging from rural road to municipal road as well as high standard expressway.



Basic Configuration:

Cold Aggregate Supply System, Drying Roller, Burner System, Hot Aggregate Elevator, Dedusting System, Vibrating Screen, Hot Aggregate Silo, Weighing System, Mixing System, Powder Feeding System, PLC Control System



Asphalt Mixer Expert

Fullfil Our Customers' Demands

Optional Configurations

1. Diesel, heavy oil, fuel oil, natural gas, coal burner system, efficient and energy-saving pulverized coal combustion system.
2. Asphalt concrete recycling thermal regeneration system.
3. Mineral powder/recycled powder(dual powder) adding system according to the proportion.
4. Full-auto thermal oil heating system. fuel oil, coal heating insulation system.
5. Coal-fired efficient and energy-saving tank-in-tank asphalt heating insulating system.
6. Level-I gravity or cyclone dedusting system, Level-II bag or water dedusting system.
7. Bypass-mounted single silo, dual silo, triple silo and heat storage silo for finished materials. Bottom-mounted single silo or heat storage silo for finished materials.
8. Pneumatic mineral powder/stone powder rapid delivery system is optional. Certain asphalt concrete mixing equipment, suitable for various working conditions, can be tailored for customers according to their demands.

In addition to processing and producing various National standard asphalt concrete mixture, it can produce various rubber asphalt concrete, SBS, SBR modified asphalt concrete, colored asphalt concrete, SMA and porous asphalt concrete, and cold mixing asphalt concrete, thus fully meeting engineering requirements.

Equipment Characteristics



Drying System

- * Efficiency: Special blades of the asphalt burner ensure maximum heat exchange rate between aggregates and flame.
- * Adaptability & customization: diesel, heavy oil, fuel oil, coal, natural gas are allowed; Adapted with any harsh working conditions.
- * Easy Maintenance: asphalt burner adopts track installation.
- * Precise calibration: Advanced infrared temperature measurement and control system.
- * Long Service Lifetime: Replaceable weary plates are installed.

- * Fully-Functional: Specially-designed primary gravity dust collector and secondary bag dust collector.
- * Durable: The dedusting system adopts NOMEX filter bags which have high resistance to heat.
- * Standardization: With the large and effective operation area, the intelligent system can meet the national standard requirements of environmental protection.
- * Recycling: The spiral conveyor and powder hoisting machine convey the collected dust into the powder recovery tank for reuse to achieve recycled asphalt feature.

Dedusting System



Powder Feeding System

- * Smooth & Reliability: The specially-designed powder spiral can convey the new powder and recycled powder directly from powder tank to powder weighing hopper. Professionally-designed rotary valve and tank cone pneumatic cleaning device ensure the uniform and continuous feeding.



- ① Vibrating Screen
- ② Hot Aggregate Silo
- ③ Weighing System
- ④ Mixing System
- ⑤ Finished Material Outlet Silo

Main Tower

- * Efficient vibrating screen: 5 customized layers with durable and stable performance.
- * Precise weighing system: High-precision sensors with asphalt overload protective device.
- * Evenly and speedy asphalt-mixer: Paddle agitator with the optimal length and width ration can achieve 3D movement of mixed materials.
- * Long service life: high hardness weary lining plate and impeller head made of high chromium cast iron can reach more than 100k tons of service life for higher wear-resistance.



Intelligent Control System

- * Stability & Convenience: PLC can achieve automatic, semi-automatic and manual control of weighing, mixing, feeding, transportation and switches of operation. Users can see the data dynamically and print it out.
- * Safe & Reliability: The internationally advanced control system adopts world's renowned electrical components, PLC, computer and etc.



LB500 LB800 Batch Asphalt Mixing Plant



Model	LB 500	LB 800
Rated Capacity	20-40 (t/h)	40-60 (t/h)
Mixer Capacity	500 kg/batch	800-1000 kg/batch
Gross installed capacity	200 kW	350 kW
Number of screen layers	2 layers 4 sections (size-customizable)	3.5 (size-customizable)
Fuel	Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal	Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal
Measuring Precision (%)	Aggregate: $\pm 0.5\%$, Powder: $\pm 0.3\%$, Asphalt: $\pm 0.2\%$	Aggregate: $\pm 0.5\%$, Powder: $\pm 0.3\%$, Asphalt: $\pm 0.2\%$
Temperature control precision	$\pm 5^{\circ}\text{C}$	$\pm 5^{\circ}\text{C}$
Dedusting Efficiency	>95%	>95%
Operating System	Automatic/Manual	Automatic/Manual
Distributing Device	Length x width (m)	1.8 x 3
	Bucket capacity (m ³)	6.5
Aggregate Belt Machine	Width (mm)	500
	Power (kw)	3
Vibrating Screen	Width (mm)	4 x 2
	Power (kw)	5.5
Drying cylinder	Diameter x length (m)	1.2 x 6
	Power (kw)	18.5
Mixing Pan	Capacity (kg)	500
	Power (kw)	30
Weighing Hopper Capacity	Aggregate (kg)	500
	Powder (kg)	100
	Asphalt (kg)	80
Standard conditions: (please indicate special conditions at ordering)		1. Sand moisture content $\leq 5\%$ 2. Altitude: sea level 3. Environmental temperature: $-20^{\circ}\text{C}+40^{\circ}\text{C}$ 4. Fuel: 10330 kcal/kg (45.2 MJ/kg) 5. Outlet temperature: 160°C

LB1000 Batch Asphalt Mixing Plant

Model		LB 1000
Rated Capacity		80 (t/h)
Mixer Capacity		1000kg/batch
Gross installed capacity		285kW
Number of screen layers		4 (size-customizable)
Fuel		Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal
Measuring Precision (%)		Aggregate: $\pm 0.5\%$, Powder: $\pm 0.3\%$, Asphalt : $\pm 0.2\%$
Temperature control precision		$\pm 5^{\circ}\text{C}$
Dedusting Efficiency		>95%
Operating System		Automatic/Manual
Distributing Device	Length x width (m)	2 x 3.2
	Bucket capacity (m ³)	7
Aggregate Belt Machine	Width (mm)	600
	Power (kw)	4.5
Vibrating Screen	Width (mm)	4 x 2.3
	Power (kw)	7.5
Drying cylinder	Diameter x length (m)	1.5 x 6.5
	Power (kw)	22
Mixing Pan	Capacity (kg)	1000
	Power (kw)	37
Weighing Hopper Capacity	Aggregate (kg)	1000
	Powder (kg)	200
	Asphalt (kg)	150
Standard conditions: (please indicate special conditions at ordering)		1. Sand moisture content $\leq 5\%$ 2. Altitude: sea level 3. Environmental temperature: $-20^{\circ}\text{C}+40^{\circ}\text{C}$ 4. Fuel: 10330 kcal/kg (45.2 MJ/kg) 5. Outlet temperature: 160°C





LB1500 Batch Asphalt Mixing Plant

Model		LB 1500
Rated Capacity		90-120 (t/h)
Mixer Capacity		1500kg/batch
Gross installed capacity		350kW
Number of screen layers		3.5 (size-customizable)
Fuel		Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal
Measuring Precision (%)		Aggregate: ±0.5% , Powder: ±0.3% , Asphalt : ±0.2%
Temperature control precision		±5°C
Dedusting Efficiency		>95%
Operating System		Automatic/Manual
Distributing Device	Length x width (m)	2.5 x 3.2
	Bucket capacity (m ³)	9.5
Aggregate Belt Machine	Width (mm)	650
	Power (kw)	5.5
Vibrating Screen	Width (mm)	4 x 2.3
	Power (kw)	11 x 2
Drying cylinder	Diameter x length (m)	1.8 x 8
	Power (kw)	30
Mixing Pan	Capacity (kg)	1500
	Power (kw)	45
Weighing Hopper Capacity	Aggregate (kg)	1500
	Powder (kg)	300
	Asphalt (kg)	200
Standard conditions : (please indicate special conditions at ordering)		1. Sand moisture content ≤5% 2. Altitude: sea level 3. Environmental temperature: -20°C+40°C 4. Fuel: 10330 kcal/kg (45.2 MJ/kg) 5. Outlet temperature: 160°C

LB2000 Batch Asphalt Mixing Plant

Model		LB 2000
Rated Capacity		120-160 (t/h)
Mixer Capacity		2250 kg/batch
Gross installed capacity		480 kW
Number of screen layers		5 (size-customizable)
Fuel		Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal
Measuring Precision (%)		Aggregate: $\pm 0.5\%$, Powder: $\pm 0.3\%$, Asphalt : $\pm 0.2\%$
Temperature control precision		$\pm 5^{\circ}\text{C}$
Dedusting Efficiency		>95%
Operating System		Automatic/Manual
Distributing Device	Length x width (m)	3.6 x 2.3
	Bucket capacity (m^3)	11
Aggregate Belt Machine	Width (mm)	650
	Power (kw)	5.5
Vibrating Screen	Width (mm)	5 x 2.3
	Power (kw)	5 x 2
Drying cylinder	Diameter x length (m)	2.2 x 9
	Power (kw)	15 x 4
Mixing Pan	Capacity (kg)	2250
	Power (kw)	30 x 2
Weighing Hopper Capacity	Aggregate (kg)	2250
	Powder (kg)	300
	Asphalt (kg)	300
Standard conditions: (please indicate special conditions at ordering)		<ol style="list-style-type: none"> 1. Sand moisture content $\leq 5\%$ 2. Altitude: sea level 3. Environmental temperature: $-20^{\circ}\text{C}+40^{\circ}\text{C}$ 4. Fuel: 10330 kcal/kg (45.2 MJ/kg) 5. Outlet temperature: 160°C



Naqu City, Tibet



LB2500 Batch Asphalt Mixing Plant

Model		LB 2500
Rated Capacity		180 -220 (t/h)
Mixer Capacity		2500 kg/batch
Gross installed capacity		520 kW
Number of screen layers		5 (size-customizable)
Fuel		Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal
Measuring Precision (%)		Aggregate: ±0.5% , Powder: ±0.3% , Asphalt : ±0.2%
Temperature control precision		±5°C
Dedusting Efficiency		>95%
Operating System		Automatic/Manual
Distributing Device	Length x width (m)	3.6 x 2.3
	Bucket capacity (m ³)	12
Aggregate Belt Machine	Width (mm)	650
	Power (kw)	5.5
Vibrating Screen	Width (mm)	5.5 x 1.8
	Power (kw)	15 x 2
Drying cylinder	Diameter x length (m)	2.5 x 9
	Power (kw)	18.5 x 4
Mixing Pan	Capacity (kg)	2500
	Power (kw)	37 x 2
Weighing Hopper Capacity	Aggregate (kg)	2500
	Powder (kg)	500
	Asphalt (kg)	400
Standard conditions : (please indicate special conditions at ordering)		1. Sand moisture content ≤5% 2. Altitude: sea level 3. Environmental temperature: -20°C+40°C 4. Fuel: 10330 kcal/kg (45.2 MJ/kg) 5. Outlet temperature: 160°C

Xianyang City, Shaanxi



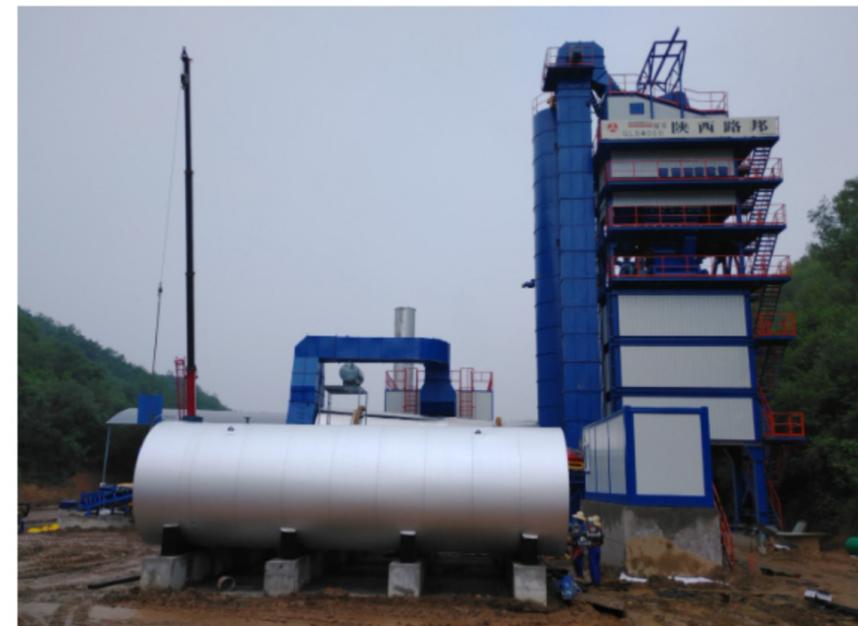
LB3000 Batch Asphalt Mixing Plant



Model		LB 3000	GLB 3000
Rated Capacity		200-240 (t/h)	200-240 (t/h)
Mixer Capacity		3000 kg/batch	3000 kg/batch
Gross installed capacity		710 kW	715 kW
Number of screen layers		4.5 (size-customizable)	5 (size-customizable)
Fuel		Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal	Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal
Measuring Precision (%)		Aggregate: ±0.5% , Powder: ±0.3% , Asphalt : ±0.2%	Aggregate: ±0.5% , Powder: ±0.3% , Asphalt : ±0.2%
Temperature control precision		±5°C	±5°C
Dedusting Efficiency		>95%	>95%
Operating System		Automatic/Manual	Automatic/Manual
Distributing Device	Length x width (m)	3.5 x 2.4	3.6 x 2.4
	Bucket capacity (m ³)	11.5	15
Aggregate Belt Machine	Width (mm)	800	650
	Power (kw)	5.5	5.5
Vibrating Screen	Width (mm)	6 x 2.1	6.5 x 2.1
	Power (kw)	18.5 x 2	7 x 2
Drying cylinder	Diameter x length (m)	2.8 x 9.5	2.5 x 10
	Power (kw)	22 x 4	22 x 4
Mixing Pan	Capacity (kg)	3000	3000
	Power (kw)	37 x 2	45 x 2
Weighing Hopper Capacity	Aggregate (kg)	3000	3250
	Powder (kg)	600	400
	Asphalt (kg)	480	300
Standard conditions: (please indicate special conditions at ordering)		1. Sand moisture content ≤5% 2. Altitude: sea level 3. Environmental temperature: -20°C+40°C 4. Fuel: 10330 kcal/kg (45.2 MJ/kg) 5. Outlet temperature: 160°C	

LB4000 Batch Asphalt Mixing Plant

Model		LB 4000
Rated Capacity		280-320 (t/h)
Mixer Capacity		4000 kg/batch
Gross installed capacity		836 kW
Number of screen layers		6 (size-customizable)
Fuel		Diesel, Heavy Oil, Fuel Oil, Natural Gas, Coal
Measuring Precision (%)		Aggregate: $\pm 0.5\%$, Powder: $\pm 0.3\%$, Asphalt : $\pm 0.2\%$
Temperature control precision		$\pm 5^{\circ}\text{C}$
Dedusting Efficiency		>95%
Operating System		Automatic/Manual
Distributing Device	Length x width (m)	3.75 x 2.5
	Bucket capacity (m ³)	15
Aggregate Belt Machine	Width (mm)	700
	Power (kw)	7.5
Vibrating Screen	Width (mm)	7.7 x 2.7
	Power (kw)	13 x 2
Drying cylinder	Diameter x length (m)	2.8 x 11
	Power (kw)	30 x 4
Mixing Pan	Capacity (kg)	4000
	Power (kw)	55 x 2
Weighing Hopper Capacity	Aggregate (kg)	4250
	Powder (kg)	600
	Asphalt (kg)	500
Standard conditions: (please indicate special conditions at ordering)		1. Sand moisture content $\leq 5\%$ 2. Altitude: sea level 3. Environmental temperature: $-20^{\circ}\text{C}+40^{\circ}\text{C}$ 4. Fuel: 10330 kcal/kg (45.2 MJ/kg) 5. Outlet temperature: 160°C



Other Products

More information, contact us...



Pre-sales Service

- * Inquiry and consulting support.
- * Factory visit is welcomed and airport pick-up service.
- * Customising the design according to the requirements.
- * Offer high quality and reasonable price for our customers.

After-sales Service

- * 24 hours on-line services.
- * All after-sales service problem will be solved in 72 hours
- * Accessories globally supplied.
- * Training for installation and operation will be provide.
- * Engineers available to overseas services.



Contact Us

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Mobile Asphalt Mixer

YLB-Series

YLB20 - YLB120
20 t/h - 120 t/h
Continuous Mixing



Stabilized Soil Mixer

WCB-Series

WCB200 - WCB800
200 t/h - 800 t/h
Dual-
horizontal shaft batch
mixing



Batch Asphalt Mixer

QLB-Series

QLB10 - QLB80
8 t/h - 80 t/h
Batch Mixing



Asphalt Spraying Truck

LB-S Series

LB-S02 S05 S08
2000L 5000L 8000L
Paving width 4.5 or 6
Spray Amount 0.2-2.5kg/m



Emulsified Asphalt Slurry Seal Machine

MX211

Slurry seal/Micro-surfacing
Tank Capacity 2270L
Productivity 1800 kg/min
Paving thickness 5-15mm
Paving width 2.4m - 4.3m



Asphalt Synchronous Chip Sealer

TBS6-10

Max Seal Width 3500/3800
Asphalt Spraying Amount 0.5-3.0
Gravel Spraying Amount 2 -22