

Sinotruck Howo Synchronous Chip Seal Truck For Anti Slip And Anti Seepage Roads

Our Product Introduction

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Basic Information

- Place of Origin: Hubei
- Brand Name: SINOTRUCK
- Certification: CCC
- Model Number: ZZ5250TFCS6
- Minimum Order Quantity: 1
- Price: 98700
- Packaging Details: nude with waxing
- Delivery Time: 30-35 working days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 20 units per month



Product Specification

- Item: Chip Sealer Truck
- Chassis: Sinotruck Howo
- Total Weight: 25000kg
- Bitumen Tank: 8000 Liters
- Gravel Tank: 12000 Liters
- Wheelbase: 4600+1350
- Tire: 12.00-20
- Engine Model: WP10.340E32
- Engine Displacement: 9762 Cc
- Spray Width: 4 M
- Spray Nozzles: 32-36
- Burner: G20
- Highlight: Howo Chip Seal Truck,
Sinotruck Chip Seal Truck,
Anti Seepage Roads synchronous chip sealer



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Product Description

Sinotruck Howo Asphalt and Gravel Chips Spray Synchronous Chip Sealer Truck

Synchronous gravel sealing vehicle is a special operation vehicle for road and bridge construction. Its main function is to evenly spread asphalt and other mixed materials on the road surface, form a new pavement layer, and improve the smoothness and durability of the road. Synchronous gravel sealing vehicles can mix different layers of materials in specific proportions and evenly spread them on the ground to form a thick protective layer. This protective layer can effectively prevent ground cracking, water seepage, and dust generation, improving the load-bearing capacity and durability of the ground.

Compared with ordinary gravel sealing, synchronous gravel sealing shortens the time interval between spraying binder and spreading aggregate, allowing aggregate particles to better implant into the binder and obtain more coating area. It is easier to ensure a stable proportional relationship between the binder and the stone chips, improve work productivity, reduce mechanical configuration, and lower construction costs.

After synchronous crushed stone sealing, asphalt pavement has better anti slip and anti-seepage performance, which can effectively cure the hazards of poor oil, falling particles, slight mesh cracks, ruts, and subsidence on the road surface. This technology can be used on both high-grade highways and ordinary highways.

In addition, synchronous gravel sealing vehicles can also be used for the construction of lower and upper sealing layers on road surfaces, the construction of wearing layers on new and old road surfaces, the construction of asphalt pavement layers, and the separate sprinkling (spreading) of asphalt gravel in special situations.

The asphalt and gravel synchronous sealing vehicle can achieve synchronous spraying of asphalt and gravel, improving and enhancing the quality of road surface sealing; It can spray various types of asphalt such as rubber asphalt, matrix asphalt, modified asphalt, emulsified asphalt, etc; Suitable for the construction of lower and upper sealing layers on highway surfaces and bridge decks, the construction of wearing layers on new and old road surfaces, the construction of asphalt pavement layer by layer, and the separate spraying of asphalt gravel in special situations; Not only can it be used for interlayer treatment and mid-term maintenance construction of high-grade highways, but it can also be directly used for construction of rural roads with low traffic volume.

Asphalt chip sealer truck introduce structure

(1) Asphalt tank

It consists of an inner liner, insulation material, outer shell, partition, combustion chamber, asphalt pipeline inside the tank, thermal oil pipeline, air storage cylinder, fuel filling port, capacity meter, decorative panel, etc. The tank body is an elliptical cylinder, with two layers of steel plates welded together inside and outside, filled with aluminum silicate insulation material between the two layers, with a thickness of 50-100mm, and covered with stainless steel plates. There is a sink groove at the bottom to facilitate the absorption of asphalt inside the tank. There are 5 mounting feet welded to the auxiliary beam at the bottom of the tank, which are then fixed to the frame. The outer layer of the combustion chamber is a heat transfer oil heating chamber, and a row of heat transfer oil heating tubes are installed at the bottom. The capacity meter is used to indicate the height of asphalt inside the tank.

(2) Power transmission system

Composed of power take-off, pump transmission device, hydraulic system, etc. Generally, the hydraulic pump is driven by a power take-off installed on the output port of the chassis engine or transmission, providing necessary power for the asphalt spraying device. The hydraulic system consists of a hydraulic pump, relief valve, directional valve, hydraulic motor, hydraulic pipeline, etc.

(3) Asphalt pump and pipeline system

Composed of asphalt pump, filter, valve, spray pipeline, cylinder nozzle assembly, etc. By using different combinations of valves to control the flow direction of liquid asphalt in pipelines, the main functions are as follows: self-priming asphalt injection, rear pipe spraying, handheld nozzle spraying, circulation, suction, cleaning, etc.

(4) Asphalt heating and thermal oil system

It consists of a combustion heating system and a thermal oil circulation heating system.

(5) Asphalt pipeline cleaning system

There are two parts: diesel cleaning and high-pressure air flushing. The diesel cleaning part consists of a diesel tank, an inlet copper ball valve, and pipelines, while the high-pressure air flushing part consists of an air reservoir, a one-way valve, an air valve, etc.

(6) Electrical and control system

The electrical control system is divided into two parts: DC circuit and AC circuit. The DC circuit consists of a power take-off, a reducer, a cooler, a hydraulic directional valve, a rear nozzle lift, a rear work light control circuit, and an automatic control system circuit; The communication circuit consists of a generator, a burner, and a thermal oil motor circuit.

(7) Gravel spray system

The gravel spray system with lifting bucket, chips for gravel spray with hydraulic cylinders control

Main Technical specification

ITEM	UNIT	PARAMETER	
Vehicle		Howo Synchronous chipsealer	
Overall dimensions		10250x2500x3750	
Asphalt tank dimention	mm	2400x2350x2020 /ellipse	
Insulating layer		80	
Asphalt tank capacity	liters	8,000	
Gravel tank capacity		12,000	
GVW		Appro×38000	
Curb weight	kg	Appro×18000	
Payload		Appro×20000	
Wheel base		5200+1350	
F/R track base	mm	2022/1830	
F/R suspension		1500/2750	
Approach/departure angle	°	16/14	
Suspension	mm	1250/2800	
Max speed	km/h	95	
Front axle	HF7	Rear axle	ST16
Drive system	6x4	Steel	Power, sino
Tire specification	12.00-20 16PR	Number of axles	3
Engine model	Manufacturer	China National Heavy Duty Truck Group Co ., Ltd	
	Model	WD615.69	
	Emission/kw	9726ml/247Kw, 336hp	
	Gear box	10F&2R	
	Emission standard	Eu 2	
Asphalt tank	Stainless steel scrub, with Insulating layer		
Spray medium	Hot asphalt, emulsified asphalt and residual oil		

Standard Configuration		
Items	Descriptions	Intelligent Domestic Configuration
Bitumen Pump	Model	QGB950(high viscosity, made in China)
	Displacement(l/min)	95
Hydraulic System	Country of Origin	GPC4-50-20-16 (Tianjin) two-gear pump
	Hydraulic Motor Model	05-130-BD31
	Proportioner Valve Model	EFRD-G03-160-5-31(Taiwan)
	Place of Origin	Yuci, Shanxi
	Radiator Brand	Risheng
Bitumen Spray	Spraying Material	Hot asphalt, hot modified asphalt, cutback asphalt, emulsified asphalt, rubber modified asphalt
	Max Spray Width(m)	3.5
	Spraying Capacity(L /)	0.25-4.0
	No. of Intelligent Spray Nozzles	32
Gravel spray	Size	S3~S24 mm
	Chip doors	16
Burner	Model	G20(Made in Italy) 2 units

Thermal Oil Pump	Model	40-25-160(Made in China)
Gasoline Engine	Power(kw)	5.5(Made in China)
Rear Monitor	Spec	7 inches, full color
Control Model	Touch screen computer intelligent control in cab, control system (Siemens, Germany), 32 intelligent asphalt nozzles (one control one), 16 road stone chip door	
Heating-up Mode	Self-Heating by Thermal Oil	

Sinotruck howo chip sealer truck image



Asphalt truck store site





Asphalt chip sealer working at site



Export



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