



Phone: +86 0371 55007709
Mob/WhatsApp/Wechat: +86 18137858347
E-mail: info@sinoroader.com
Web: www.sinoroader.com
Add: Economic & Industry Development Zone, Weidu
Area, XuChang City, Henan Province, China

BITUMEN DISTRIBUTOR

COMPANY PROFILE

万里交科智能制造产业园

Henan Sinoroader Heavy Industry Corporation is a world-famous road and bridge machinery manufacturer, located in Zhengzhou City, Henan Province. Our producing base is located in Weidu District, Xuchang City with factory area over 80000m².

Sinoroader has first-class production equipment and R&D team.

Our Vision:

To be the supplier of turn-key solutions for road construction machinery applications.



Our Advantages:

Sinoroader has developed a comprehensive understanding of asphalt mixing plant technology. This mastery sets Sinoroader apart from its competitors and delivers true value to the road construction industry. Professional design team and mature production line can be meet customized needs.

PRODUCT DESCRIPTION»»»



The automatic bitumen distributor is an intelligent high-tech product that professionally distributes emulsified bitumen, diluted bitumen, hot bitumen, heavy bitumen and high-viscosity modified bitumen. The equipment has increased the technical content to ensure the construction quality, and highlighted the humanized design of improving the construction conditions and the construction environment on the basis of absorbing various technologies of similar products at home and abroad. All the bitumen pipelines are equipped with heat transfer oil pipelines, which are internally heated by heat-transfer oil to ensure unimpeded pipelines; The spraying system adopts a special design, which can automatically control the amount of spraying following the change of vehicle speed, ensuring accurate and uniform spraying, stable construction and reliable performance. Its reasonable and reliable design ensures the uniformity of bitumen distribution. Industrial computer control is stable and reliable, it is easy to operate, and the technical performance of the equipment has reached the advanced level in the world.

This equipment has been widely used in highway construction and highway maintenance projects. It can be used for the construction of pavement upper and lower seals, permeable layers, bitumen surface treatment, bitumen penetration pavement, etc. It can also be used for the transportation of liquid bitumen or other heavy oil.



EQUIPMENT COMPOSITION »»»

The intelligent bitumen distributor is mainly composed of chassis, bitumen tank, hydraulic drive system, operating system, distribution system, heating system and other parts.



Chassis

The truck is modified from a special truck chassis, which has the advantages of strong carrying capacity, low fuel consumption, stable and light operation, reliable braking, air conditioning inside, comfortable environment, and safe driving.

Bitumen Tank

It is mainly composed of tank body, internal pipeline, thermal insulation filler, stainless steel frosted board, etc. The internal pipeline consists of a fire tube and a heat transfer oil coiled pipe. The fire tube is to fully release the heat and heat the heat transfer oil for heat exchange; The heat-transfer oil coiled pipe makes the



bitumen fully heated; In addition, an anti-wave board is installed in the tank to avoid potential safety hazards caused by the medium in the tank rolling back and forth during driving; The thermal insulation filler plays a role of thermal insulation, ensuring that the temperature required during the construction process does not drop quickly; The stainless steel frosted board is beautiful in appearance, anti-corrosion and durable.

Hydraulic Drive System

The hydraulic drive system is equipped with imported components (hydraulic valves) from internationally renowned brands. Ensure the reliability of the transmission system.

Operating System

- 1.The start, stop, rise and fall, and left and right swing of the spray bar can all be completed in the cab or operating table.
- 2.The amount of spraying can be modified at any time on the touch screen, and the program will automatically adjust the amount of spraying according to the input parameters and vehicle speed.
- 3.The opening and closing of the nozzles can be controlled individually or in multiples.
- 4.According to different road conditions, the inclined surface can be sprinkled by the automatic control handle to ensure that every place is evenly spread.
- 5.The encoder is used to accurately detect the speed of the vehicle and the bitumen pump to ensure the accuracy of spreading.
- 6.The vehicle speed and pump speed are automatically calculated by PLC according to the amount of spraying, so as to realize the automatic control of the amount of spraying and provide the driver with a recommended speed.





7.You can set the road section, and automatically record each spraying length, area and total weight of bitumen through the display screen.

8.The system can be calibrated by the computer according to the change of bitumen density and load, so as to accurately control the displacement of the bitumen pump and control the spreading error within $\pm 1.5\%$.

Distribution System

The opening and closing of each nozzle is controlled by the cylinder, and the special pipe design ensures uniform pressure and good atomizing effect. The spraying bar is cyclically heated by heat-transfer oil, which has good heat preservation.

Heating System

The automatic circulation heating device is adopted, and the heating start and stop can be automatically controlled after setting the temperature to ensure the reliability of the medium temperature.



THE MAIN TECHNICAL PARAMETERS

Product Model	SRLS08
Chassis	DFAC/HOWO
Spray Width	200~4500mm
Spay Amount	0.2~2.0 kg/m ²
Tank Volume	4000L/8000L/12000L
Bitumen Heating Method	diesel burner
Spraying Medium	hot (modified) bitumen, diluted bitumen, emulsified bitumen
Spreading Accuracy	$\pm 1.5\%$
Total Mass	18000 (kg)
Dimensions	length×width×height=8330×2460×3230(mm)

BITUMEN SPRAYER »»»



Separately equipped with a small generator to provide power to the burner and heat conduction oil system.

The spraying arm with mechanical lifting is simple and easy to use with good maintainability



diesel engine powers the air compressor. The cylinder controls asphalt spraying by controlling pneumatic valves.



THE MAIN TECHNICAL PARAMETERS »»»

Product Model	SRD-4000
Diesel Burner	RIELLO
Bitumen Pump	12m ³ /h
Bitumen tank volume	4000L
Spray width	2000mm
Bitumen heating mode	Directing diesel burner heating
Spray media	modified asphalt, hot asphalt, emulsified
Bitumen Heating Speed	≥12°C/h
Total weight	2000 (kg)
Overall Dimensions	length×width×height=4000*2000*1800(mm)

TRALIER BITUMEN SPRAYER »»»



Tralier type asphalt sprayer is a new type of construction, road maintenance machinery equipment, the product has the advantages of compact structure, fast heating speed, simple operation, no need for diesel cleaning pipeline, the product is low price, no pollution



The first feature
High Construction
Efficiency



The second feature
Distributing evenly



The third feature
Distributor-Trailer

THE MAIN TECHNICAL PARAMETERS »»»

Product Model	SRD-3000
Diesel Burner	RIELLO
Bitumen Pump	12m ³ /h
Bitumen tank volume	3000L
Spray width	2000mm
Bitumen heating mode	Directing diesel burner heating
Spray media	modified asphalt, hot asphalt, emulsified
Bitumen Heating Speed	≥12°C/h
Total weight	2000 (kg)
Overall Dimensions	length×width×height=4000*2000*1800(mm)

PROJECT CASE

Our bitumen distributor has been exported to 25 countries in Kenya, Philippines, Australia and Panama to help their road construction projects, which have been recognized by customers. This is part of our case.



Bitumen Sprayer With Capacity 10000L Tank, Ready For Delivery To Kenya In 2019-4-27



Bitumen Distributor With 8000L Tank, Ready For Delivery To Philippines On 2020-07-18



Bitumen Sprayer With 4000L Tank, Ready For Delivery To Australia In 2022-3-10



Trailer Type Bitumen Distributor With 4000L Tank, Is Ready For Delivery To Panama On 2022-05-16

