



**SINORoader**

**CS type mechanical stone chip spreader**



河南国基重工机械有限公司

**HENAN SINORoader HEAVY INDUSTRY CORPORATION**

Henan Sinoroader Heavy Industry Corporation is a world-famous road and bridge machinery manufacture, located in Zhengzhou City, Henan Province. Our producing base is located in Weidu District, Xuchang City with factory area over 80,000 m<sup>2</sup>.

Sinoroader has first-class production equipment and R&D team. Sinoroader has more than 500 production and research staff and workers, responsible for product research, design, production, installation, commissioning and after-sales service. The R&D team has obtained master's degree or above, and 60 of them have got PHD. The production team includes more than 200 senior technical workers and 320 skilled workers. Core business includes: road and bridge machinery equipment manufacturing; old equipment alteration; Project construction design & consulting service. Core products series includes: asphalt mixing plant; concrete & stabilized soil mixing plant; road maintenance equipment and material ; Bitumen related equipment. Can meet the different needs of different regions, different markets and different customers all over the world.

In addition to Domestic market team, Sinoroader market department also has Southeast Asia, Central Asia, Africa, Middle Eastern Asia and American market teams. In these major regions, Sinoroader has set up branch offices in Pakistan, Uzbekistan, Uganda, Myanmar, Philip-

pinas, and Kenya to be responsible for the expansion of overseas business.

Nowadays, asphalt mixing plant, concrete mixing plant and road maintenance equipment produced by Sinoroader have been widely used in more than 120 countries and regions, such as Thailand, Philippines, Indonesia, Malaysia, Myanmar, Laos, Vietnam, Bangladesh, Pakistan, Russia, Uzbekistan, Kazakhstan, Kenya, Tanzania, Nigeria, Uganda, Chile, Australia, Bolivia, Peru, Saudi Arabia, New Zealand, etc. Conforming to the trend of technological development, grasping the market demand and leading the technology trend, Sinoroader is also actively carry out technology research and development while embracing customers. We have been carried out technological innovations in conjunction with many universities & colleges, such as Changan university. For now, Sinoroader has obtained a number of patented technologies, which are of great significance for promoting the innovation of the entire road construction industry. In addition, Sinoroader also cooperates with many well-known overseas enterprises and universities in technology developing.

**Our Vision:** To be the supplier of turn-key solutions for road construction machinery applications!



## Application

CS type stone chip spreader is based on the absorption of foreign advanced technology. After the company has continuously updated and improved it in a large number of construction practices, it has caught up with and surpassed similar foreign products in various performances. The asphalt spreader produced by our company is used as an ideal gravel sealing equipment. The equipment is a high-tech product integrating electrical, pneumatic and mechanical transmission.



## Technical parameters

Spread width: 3100mm

Number of doors: 16

Stone particle size: 3 ~ 30mm

Spreading amount: 0.5m<sup>3</sup> to 50m<sup>3</sup>/km<sup>2</sup>

Dimensions: 1900×2500×2100mm

Weight: 1300kg



## Requirements for vehicle chassis

DC12×2 series power, negative ground

Close the PTO, let the truck hopper rise, drop and stay at any position.

External dimensions of hopper: 2400±10mm

Internal dimensions of hopper: 2300±10mm

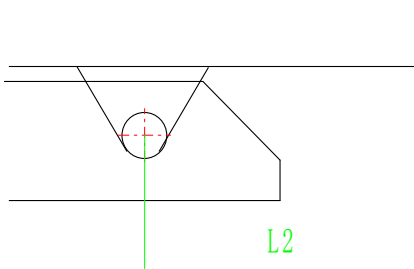
Inclination angle of hopper:  $\leq 2^\circ$

Straightness of rear end line of hopper bottom plate:  $\leq 2$ mm

Verticality of hopper rear post:  $\leq 2$ mm

Hopper rear overhang L2: 500-850mm

PIC:



## Advantages

### 1、 Electrical system

- The 116 material gates can be individually controlled and the spreading width can be flexibly adjusted.
- Hop lift can achieve off-site control in the cab or console.
- perfect lighting system, which is convenient for night construction.
- Equipped with a hopper raise limit alarm switch to enhance construction safety.
- The electrical connection between the main vehicle and the equipment adopts a quick-insertion structure for easy disassembly.



### 2、 Mechanical system

- Material door control, material door control consists of a material door main switch and subordinate 16 sub-switches, which can complete group control or single control for 16-way material door. Ensure the consistency of the door opening.
- Adding a fine adjustment device, the single material door can be adjusted, effectively adjusting the uniformity of the spreading cloth, and completely changing the problem of uneven distribution of the partial spreading of the traditional stone chip spreading machine.
- The unique anti-skid design device effectively solves the problem that the stone does not slip on the drum in actual operation.
- The angle of the material and the blanking plate can be adjusted. It can be applied to different stone sizes of 3~30mm.
- The device is simple and secure to fix, and it is easy to disassemble.

### 3、 Pneumatic control

- The gas path is equipped with a device for filtering moisture and impurities to ensure the reliability of the system.
- High-quality components to ensure stable and reliable air circuit operation.

## Using cases

The product has been put into use in projects such as Hexu Highway, He'an Highway, Shanghai Pudong Outer Ring Road, Huqingping Highway, Huihang Highway and Xi'an Ring Expressway. It is used in Nigeria, Kenya, Myanmar, Philippines, Indonesia, Australia and other countries. The work is reliable, the adjustment is convenient, and the spreading is even, which has been well received by various construction units and supervision departments.



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