



Semi-automatic Road Construction Machinery with 4m-20m/min Working Speed and 0-208mm Cutting Depth for Highway Development

Basic Information



Product Specification

- Engine Type: Air-cooled 4-cycle Gasoline
- Material: Steel And High-strength Alloys
- Working Speed: 4m-20m/min
- Cutting Depth: 0-208mm
- Rotary Speed: 2100 Rpm
- Speed: 60-135 Rpm
- Vibrating Frequency: 2800-5500vpn
- Working Width: 2 - 6 Meters
- Highlight: **Semi-automatic Road Construction Machinery, 4m-20m/min Working Speed Highway Construction Machine**
0-208mm Cutting Depth Road Surface Preparation Equipment

Product Description:

The Road Construction Machinery is a highly efficient and versatile piece of equipment designed to meet the rigorous demands of modern infrastructure development. Specially engineered for use in Asphalt Paving Machinery applications, this machine excels in delivering precise and reliable performance for road surface preparation and construction projects. Whether you are involved in large-scale highway construction or urban road repairs, this machinery stands out as an essential tool in the arsenal of Civil Engineering Road Machinery. One of the key features of this Road Construction Machinery is its semi-automatic operation, which strikes a perfect balance between manual control and automation. This semi-automatic grade allows operators to manage the machinery with ease while maintaining high levels of precision and efficiency. The semi-automatic mechanism reduces operator fatigue and increases productivity, making it an ideal choice for long-duration projects and various road construction environments.

Depth adjustment is a critical aspect of any road construction operation, and this machinery incorporates a handle rotation system that allows for smooth and accurate control over cutting depth. Operators can easily adjust the depth of the cut to suit different project requirements, ensuring optimal performance across a wide range of road surfaces. This handle rotation adjustment is intuitive and responsive, providing fine control over the cutting depth from 0 to 208 mm, which is suitable for various pavement thicknesses and surface conditions.

When it comes to working speed, this Road Construction Machinery offers an impressive range of 4 meters to 20 meters per minute. This variability enables operators to tailor the working pace to the specific demands of the project, whether it involves delicate surface preparation or more aggressive milling tasks. The ability to control working speed enhances the overall efficiency and quality of road surface preparation, contributing to a smoother and more durable pavement finish.

Speed is another vital parameter that influences the performance of construction machinery. This equipment operates at speeds ranging from 60 to 135 revolutions per minute (rpm), providing the power and precision necessary for effective material removal and surface treatment. The adjustable speed ensures that the machinery can handle different types of asphalt and concrete surfaces, adapting to varying hardness levels and thicknesses encountered in road construction projects.

As a part of Asphalt Paving Machinery and Road Surface Preparation Equipment, this Road Construction Machinery integrates advanced engineering principles to deliver consistent results. It is designed to meet the stringent requirements of civil engineering projects, ensuring durability, reliability, and ease of maintenance. The robust construction and thoughtful ergonomics make it suitable for continuous operation under challenging site conditions, contributing to reduced downtime and enhanced project timelines.

Civil Engineering Road Machinery demands equipment that can keep up with the complexity and scale of modern infrastructure projects. This machinery rises to the challenge by combining semi-automatic controls, precise depth adjustment via handle rotation, adaptable working speeds, and a broad range of cutting depths and rotational speeds. This combination of features ensures that it can handle diverse tasks, from initial road surface preparation to detailed milling and finishing operations.

In summary, this Road Construction Machinery is an indispensable asset for contractors and engineers involved in Asphalt Paving Machinery and Road Surface Preparation Equipment applications. Its semi-automatic operation, handle rotation depth adjustment, variable working speeds from 4 to 20 meters per minute, cutting depth capability of up to 208 mm, and speed range of 60 to 135 rpm collectively deliver superior performance and reliability. Designed with the needs of Civil Engineering Road Machinery in mind, this equipment promises to enhance productivity, improve road quality, and support the successful completion of road construction projects of all sizes.

Features:

Product Name: Road Construction Machinery

Automatic Grade: Semi-automatic

Drum Diameter: 800mm

Working Speed: 4m-20m/min

Feature: High Drilling Efficiency

Material: Steel And High-strength Alloys

Includes Motorized Road Repair Tools for enhanced performance

Classified as Heavy Road Building Equipment suitable for various construction tasks

Functions effectively as Road Surface Preparation Equipment

Technical Parameters:

Material	Steel And High-strength Alloys
Speed	60-135 Rpm
Vibrating Frequency	2800-5500 vpm
Engine Type	Air-cooled 4-cycle Gasoline
Drum Diameter	800mm
Working Width	2 - 6 Meters
Cutting Depth	0-208mm
Working Speed	4m-20m/min
Automatic Grade	Semi-automatic
Feature	High Drilling Efficiency

Applications:

The Road Construction Machinery is an essential piece of equipment designed to meet the demanding needs of modern infrastructure projects. With a working speed ranging from 4 meters to 20 meters per minute and a working width between 2 to 6 meters, this machinery offers impressive versatility for various road construction tasks. Its drum diameter of 800mm ensures thorough and efficient processing of road surfaces, making it a reliable choice for both small-scale repairs and large civil engineering projects.

This semi-automatic machine integrates advanced technology to provide high drilling efficiency, significantly reducing the time and labor required for road surface preparation. As motorized road repair tools, these machines allow operators to achieve consistent and precise results while minimizing manual effort. The semi-automatic grade control system helps maintain optimal cutting depth and ensures uniformity across the working width, which is crucial for high-quality road maintenance and reconstruction.

Road surface preparation equipment like this is widely used in a variety of application occasions and scenarios. In urban settings, it is ideal for repairing potholes, cracks, and worn-out patches on busy streets and highways, enabling quick restoration with minimal traffic disruption. In rural or remote areas, this machinery supports the construction and maintenance of access roads, improving connectivity and safety for local communities.

Civil engineering road machinery such as this is also indispensable during the initial stages of highway construction, airport runway maintenance, and industrial road laying. Its ability to handle different surface types and conditions makes it suitable for projects involving asphalt, concrete, or composite pavements. Additionally, the equipment's robust design and ease of operation ensure reliable performance in challenging environments, including uneven terrain and varying weather conditions.

In summary, the Road Construction Machinery with its motorized road repair tools capability, semi-automatic operation, and high drilling efficiency, is a versatile and powerful solution for enhancing road quality and durability. Whether used for routine maintenance, emergency repairs, or new road construction, this equipment plays a critical role in ensuring safe, smooth, and long-lasting transportation infrastructure.

Customization:

Our Road Construction Machinery offers exceptional customization services to meet your specific project needs. Equipped with an air-cooled 4-cycle gasoline engine, this machine ensures reliable performance and durability. With a speed range of 60-135 RPM and a cutting depth of 0-208mm, it provides precise and efficient operation for various road repair tasks. Featuring a drum diameter of 800mm, it maximizes coverage and productivity on site. Designed as one of the leading motorized road repair tools, this equipment enhances your workflow with high drilling efficiency. Ideal for use in highway construction machines, our customizable solutions help optimize your highway construction projects with advanced technology and robust performance.

Support and Services:

Our Road Construction Machinery product is supported by a dedicated team of technical experts committed to ensuring optimal performance and customer satisfaction. We provide comprehensive technical support that includes installation guidance, troubleshooting assistance, maintenance tips, and operational training to help you maximize the efficiency and lifespan of your equipment.

In addition to our technical support services, we offer a range of after-sales services such as regular maintenance programs, genuine spare parts supply, and software updates when applicable. Our goal is to minimize downtime and enhance the productivity of your road construction projects.

For complex issues, our support team is equipped to provide remote diagnostics and on-site service visits by certified technicians. We also offer customized service contracts tailored to meet the specific needs of your operations, ensuring that your machinery remains in excellent working condition throughout its lifecycle.

We are committed to continuous improvement and innovation, providing you with the latest technical resources and support to keep your road construction machinery performing at its best.



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