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WUHAN JACKWIN INDUSTRIAL CO., LTD.
武 汉 杰 晟 工 贸 有 限 公 司
ADD.:Room 1305-1306,Office Block #5,Hankou City Plaza,Houhu Ave.,Jiang An District,Wuhan 430014,China
地址:中国武汉市江岸区后湖大道汉口城市广场 5 号楼 1305-1306 室
Tel: +86 027 87490150 ext.808 Fax:+86 027 87490135 www.jackwinsafety.com E-mail: info@jackwinsafety.com

Data Sheet
JW Road Drying Machine

Product Overview

Within the complex and dynamic realm of road construction, inclement weather, particularly rain, poses a persistent and formidable challenge. Amidst such adversities, the JW Road Drying Machine has emerged as an absolutely essential and game-changing solution. Engineered with precision and cutting-edge technology, this advanced piece of equipment is specifically designed to tackle one of the most prevalent and arduous problems in rainy-day construction scenarios—road surface waterlogging.

Reference Photo



Technical Specifications

Parameter	Specification
Engine	350 kW Gas Turbine Engine
Engine Fuel	Diesel
Battery	12 V
Constant Temperature Range	350–550°C

Parameter	Specification
Working Width	150 mm / 300 mm / 400 mm
Dimensions	1.65 × 0.5 × 1.0 m
Weight	100 kg

Key Features

Feature	Description
Rainy-Day Construction Solution	In road construction projects, any form of delay can trigger a cascade of issues, including significant cost escalations and complex logistical challenges. The JW Road Drying Machine offers an effective solution to minimize these risks. By utilizing its advanced drying technology, the machine rapidly evaporates standing water from the road surface, creating a dry and stable working area for subsequent construction operations. This is particularly important before: Asphalt paving, Concrete pouring, Road marking application, Other road maintenance operations. A dry surface ensures better material adhesion, higher construction quality, and improved project efficiency while helping contractors maintain tight construction schedules.
Powerful Gas Turbine Heating System	The JW Road Drying Machine is equipped with a 350 kW gas turbine engine, delivering powerful and stable thermal energy for rapid road drying. Advantages include: Fast evaporation of standing water, High heating efficiency, Stable performance, Suitable for continuous operation.
Precise Constant-Temperature Control	The machine features an advanced thermostat capable of maintaining a stable operating temperature between 350°C and 550°C. Benefits: Uniform drying performance, Prevents localized overheating, Protects pavement materials, Improves asphalt bonding conditions, Enhances construction quality. Precise temperature control is especially important when preparing road surfaces before thermoplastic marking or asphalt paving.
Adjustable Working Width	To meet different construction requirements, the JW Road Drying Machine provides three interchangeable working widths: 150 mm, 300

Feature	Description
	mm, 400 mm. Advantages: Suitable for narrow repair areas, Ideal for standard road maintenance, Efficient for larger construction sections, Flexible for different project requirements.
Compact and Portable Design	Despite its powerful heating capability, the machine maintains a compact structure. Dimensions: 1.65 × 0.5 × 1.0 m. Advantages: Easy transportation, Convenient storage, Excellent maneuverability, Suitable for confined working environments.
Stable and Durable Construction	With a total weight of 100 kg, the machine provides an ideal balance between mobility and operational stability. Advantages: Easy relocation on construction sites, Stable during operation, Durable for heavy-duty applications.

Application Scenarios

Road marking construction after rainfall
Thermoplastic road marking preparation
Asphalt pavement drying
Concrete pavement drying
Highway maintenance
Municipal road construction
Airport runway maintenance
Bridge maintenance projects
Emergency road repair
Road construction in humid environments

Advantages

Rapid road surface drying
Powerful 350 kW gas turbine heating system
Constant temperature control (350–550°C)
Adjustable working widths for different applications
Compact and portable design
Improves construction quality after rainfall
Reduces project delays caused by wet road conditions
Durable and reliable for continuous operation

Conclusion

The JW Road Drying Machine is a professional road maintenance machine specifically developed for rainy-day and high-humidity construction environments. Equipped with a powerful gas turbine heating system, precise temperature control, and adjustable working widths, it rapidly dries wet road surfaces and provides ideal conditions for asphalt paving, concrete work, and road marking applications. By improving construction efficiency, reducing weather-related delays, and ensuring high-quality road surface preparation, the JW Road Drying Machine is an indispensable solution for modern road construction and maintenance projects.