

Guangxi Ruijie Slag Equipment Manufacturing Co., Ltd. Unveils Customizable Dewatering Screen for Tailings Dry Discharge



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Yulin, Guangxi Mar 27, 2025 (Issuewire.com) - Guangxi Ruijie Slag Equipment Manufacturing Co., Ltd., a pioneer in industrial screening and separation solutions, proudly introduces its latest innovation—the Customizable **Dewatering Screen** for Tailings Dry Discharge. This cutting-edge equipment is engineered to enhance water removal efficiency, minimize waste, and optimize resource recovery across multiple industries, including mining, sand washing, coal preparation, and slag treatment.

A Game-Changer for Waste Management and Resource Recovery

In industries where managing wet tailings, sludge, and waste residue poses an ongoing challenge, **dewatering screens** play a crucial role in reducing moisture content, improving material handling, and promoting sustainable operations. Guangxi Ruijie's latest **dewatering screen** offers an efficient, customizable, and durable solution, ensuring superior performance in demanding environments.

“Our new [dewatering screen](#) is designed to meet the evolving needs of industries striving for greater efficiency, sustainability, and cost-effectiveness,” said Spokesperson, at **Guangxi Ruijie Slag Equipment Manufacturing Co., Ltd.** “By incorporating advanced wear-resistant materials, modular components, and high-strength engineering, we’ve developed a next-generation screening solution that maximizes water recovery while minimizing downtime and maintenance costs.”

Key Features & Benefits of the Customizable Dewatering Screen High-Performance Polyurethane Screen Panels

The **dewatering screen** is equipped with a highly wear-resistant and anti-clogging polyurethane screen, offering exceptional durability and easy replacement. This feature significantly extends service life while ensuring optimal screening efficiency.

Heavy-Duty Construction with Advanced Riveting Technology

Unlike conventional designs that rely on welding, the **dewatering screen's** side plates are riveted using high-strength ring groove rivets, preventing structural cracks and improving overall durability. This innovative approach reduces the risk of fatigue failure and enhances operational reliability.

Enhanced Shock Absorption with Rubber Springs

The incorporation of premium rubber springs ensures excellent elasticity and damping properties, effectively absorbing vibration and noise, which protects the equipment from damage and prolongs its lifespan.

Superior Low-Temperature Performance

Built with low-alloy structural steel (Q345R), the **dewatering screen** maintains structural integrity even in extreme cold environments, withstanding temperatures as low as -40°C. This makes it an ideal solution for industries operating in harsh winter conditions or high-altitude regions.

Modular & Customizable Design

To meet varied industry requirements, the **dewatering screen** is fully customizable, allowing users to tailor screen configurations, vibration parameters, and deck inclinations based on specific material properties and processing goals.

Applications Across Multiple Industries

Guangxi Ruijie's Customizable [Dewatering Screen](#) is a versatile solution for various applications, including:

???? Sand & Stone Plants – Effectively washes sand, removing impurities and reducing water content for superior aggregate quality.

???? Coal Preparation Plants – Recovers valuable fine coal and improves the dewatering process, increasing efficiency and reducing material loss.

???? Incineration Bottom Ash Treatment – Separates and dewateres slag, improving resource recovery in waste-to-energy plants.

???? Mining & Tailings Management – Aids in the disposal and recycling of tailings, promoting sustainable mining operations.

Addressing Industry Challenges with Advanced Engineering

One of the biggest concerns in dewatering technology is screen clogging, reduced efficiency, and excessive downtime for maintenance. Guangxi Ruijie's innovative polyurethane screen panels provide a self-cleaning, anti-clogging surface, significantly reducing maintenance efforts and ensuring uninterrupted operation.

Additionally, traditional welded side plates often suffer from cracks and structural fatigue, especially under high-vibration conditions. By implementing a riveted connection system, Guangxi Ruijie has successfully eliminated this issue, enhancing equipment reliability and extending operational life.

Industry Expert Endorsements

"Our tests show that Guangxi Ruijie's **dewatering screen** increases dewatering efficiency by up to 30% compared to conventional models," said Spokesperson, a leading consultant in mineral processing and tailings management. "This innovation marks a significant leap in screening technology, offering industries a more reliable and cost-effective solution."

Sustainability & Environmental Benefits

By improving water recovery and reducing tailings moisture content, this **dewatering screen** contributes to environmental conservation efforts. With stricter regulations on water usage and waste disposal, industries can achieve compliance while optimizing their dewatering processes.

Availability & How to Order

The Customizable **Dewatering Screen** is now available for order. Guangxi Ruijie Slag Equipment Manufacturing Co., Ltd. offers tailored consultations to help businesses select the ideal configuration for their operations. To learn more or request a quote, visit www.ruijie-equipment.com/product/dewatering-screen or Email **R01@ruijie-equipment.com** and call now at **+86 17878005688**

About Guangxi Ruijie Slag Equipment Manufacturing Co., Ltd.

[Guangxi Ruijie Slag Equipment Manufacturing Co., Ltd.](http://www.ruijie-equipment.com) is a leading manufacturer of screening, separation, and waste treatment equipment, specializing in tailings management, mining, and industrial material processing solutions. With a commitment to innovation, quality, and sustainability, the company continues to develop advanced technologies that redefine industry standards.

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