

Ruitu Expands Salt Processing Capabilities as a Global Leading Food Grade Salt Making Equipment Manufacturer

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-- Consistent purity, controlled moisture, suitable particle size, and stable production are essential to modern edible salt manufacturing. These requirements have created a growing need for specialized processing systems that can connect purification with crushing, drying, screening, conveying, and packaging. Ruitu has developed its business around these needs as a [Global Leading Food Grade Salt Making Equipment Manufacturer](#), providing salt processing equipment and integrated engineering solutions for different raw salt resources and production requirements.

Weifang Ruitu Automation Equipment Co., Ltd. was established in 2015 in Weifang, Shandong Province. With a production area of approximately 28,000 square meters and more than a decade of experience in salt chemical equipment manufacturing, Ruitu combines equipment production with project engineering. Its service scope

covers process design, equipment manufacturing, installation, commissioning, training, and production support, creating a connected approach to salt processing projects.



Improving Raw Salt Purification

The quality of finished edible salt begins with the treatment of raw salt. Sea salt, lake salt, and

rock salt can contain different levels and types of soluble and insoluble impurities. Effective purification therefore needs to match the characteristics of the incoming material and the requirements of the finished product.

Ruitu's salt washing production lines are designed specifically for crude salt purification and impurity removal. The process uses a three-powder and four-wash method together with specially developed spiral washing equipment. Washing, suspension, sedimentation, and dissolution work together to separate impurities while reducing salt loss during processing. This makes Ruitu a [Coarse Salt Purification Equipment Manufacturer](#) with a focus on washing-based salt treatment. Production lines can be customized according to plant conditions and processing requirements, with available capacities ranging from 1 to 20 tons per hour. The flexible configuration is particularly relevant for salt producers working with different raw materials or production scales. Instead of applying one fixed arrangement to every project, the equipment combination can be developed around the required production flow.

Connecting Crushing, Washing and Drying

Salt purification is closely connected with particle treatment and moisture control. Ruitu's salt processing systems bring together equipment for raw salt feeding, conveying, washing, crushing, dewatering, drying, screening, and packaging.

The equipment portfolio includes raw salt bins, screw conveyors, belt conveyors, screw washing machines, agitating salt washers, mixing and blending machines, counter-current washing machines, salt pumps, double-roll crushers, centrifugal dewatering equipment, hot-air heating systems, and vibrating fluidized-bed dryers.

This integrated structure supports Ruitu's role as a High-Quality Edible Salt Making Equipment Supplier. Each processing stage can be incorporated into a broader production line according to the required capacity and product characteristics.

Crushing plays an important role in preparing salt for subsequent processing. Ruitu's double-roll salt crushers are designed for primary and secondary crushing and are applicable to food-grade salt washing plants, industrial salt production, refined salt production lines, and larger salt washing facilities. The crushing arrangement can be selected according to feed size and desired output.

Drying provides another important control point. After washing and crushing, salt contains residual moisture that needs to be reduced before storage and packaging. Ruitu combines centrifugal dewatering with hot-air heating and vibrating fluidized-bed drying. This staged approach reduces the moisture burden before thermal drying and supports more consistent final moisture levels.

Building Complete Salt Production Lines

Modern salt projects often require more than individual machines. The interaction between washing, crushing, dewatering, drying, screening, conveying, and packaging directly influences production continuity and finished-product consistency.

Ruitu approaches these requirements through customized production-line engineering. Plant layout, processing capacity, raw salt characteristics, and production objectives can all influence the equipment configuration. This project-oriented approach enables Ruitu to function as a One-stop Salt Production Project EPC Contractor, connecting design and research with equipment

manufacturing, procurement, installation, commissioning, and training.

For a complete production project, engineering coordination is particularly important. Conveying capacity needs to match processing capacity, dewatering needs to support the drying section, and screening needs to correspond with the required particle size. Integrating these stages can help maintain a continuous material flow throughout the production line.

Ruitu's EPC capabilities extend beyond food-grade salt washing. Its broader salt chemical equipment portfolio includes bromine extraction equipment, calcium chloride project equipment, magnesium chloride equipment, conveying equipment, general industrial equipment, and steel-lined equipment.

Selecting the Appropriate Salt Processing Technology

Salt processing does not follow one universal production route. The most suitable technology depends on the raw material, required purity, product specifications, production capacity, and available plant conditions.

An MVR Multi-effect Evaporation Edible Salt Crystallization Production Line, for example, represents an evaporation and crystallization route for applications requiring controlled concentration and crystal formation. Washing-based production takes a different approach by focusing on physical purification and impurity removal from crude salt.

Other specialized technologies can address particular downstream requirements. A Manufacturer of 4–120 Mesh Specialized Salt Color Sorters may serve projects requiring specialized particle sorting, while a Vacuum Refining Service for Edible Salt represents another processing approach for applications where vacuum-based refining is appropriate. These technologies form part of the broader salt processing landscape rather than interchangeable equipment categories. Selecting the right route requires consideration of the entire production process.

For Ruitu, salt washing and purification remain central to its food-grade salt equipment capabilities. The company's equipment can connect purification with crushing, dewatering, drying, screening, conveying, and packaging to create complete washed salt production systems.

Manufacturing Capabilities for Salt Equipment

Equipment manufacturing is an important part of Ruitu's ability to develop complete salt processing systems. Its approximately 28,000-square-meter production facility supports equipment fabrication and project production, with manufacturing resources including laser cutting equipment, automatic welding systems, argon arc welding machines, and lifting equipment.

Quality management is incorporated into the company's manufacturing framework through ISO 9001, ISO 14001, and ISO 45001 management system certifications. Equipment production also involves inspection and quality control from raw materials through finished products. These manufacturing capabilities allow Ruitu to maintain close coordination between engineering design and equipment production. For customized salt processing projects, this connection is important because equipment dimensions, capacity, material handling, and process integration must correspond with the overall plant design.

Serving Diverse Salt Processing Requirements

Raw salt resources differ considerably between production regions. Sea salt, lake salt, and rock

salt each have different physical and chemical characteristics, while processing facilities can also vary in size and operating conditions.

Ruitu's salt washing equipment is designed to accommodate these different raw salt sources.

Production capacity can be adjusted from small-scale operations to larger production requirements, while equipment arrangements can be adapted to available plant space.

Ruitu's project experience extends across Africa, Europe, America, Central Asia, and Southeast Asia. Installation, commissioning, production training, and online technical support form part of its project service structure, helping connect equipment delivery with subsequent operation. This international project approach also reinforces the importance of practical engineering. Salt equipment needs to operate reliably under different production environments, and successful project implementation depends on appropriate equipment selection, installation, commissioning, and operator training.

Continuing the Development of Food-Grade Salt Equipment

The development of salt processing is increasingly focused on consistent quality, efficient material handling, controlled moisture, and integrated production. These requirements are closely connected with the capabilities needed for modern food-grade salt equipment.

As a Global Leading Food Grade Salt Making Equipment Manufacturer, Ruitu focuses on the complete processing path from crude salt purification to finished salt handling. Its salt washing systems combine washing, crushing, dewatering, drying, screening, conveying, and packaging, while its EPC services connect engineering design with equipment manufacturing, installation, commissioning, and training.

The combination of salt chemical equipment expertise, customized production-line design, and manufacturing capabilities provides a foundation for addressing different salt resources and production requirements. Ruitu continues to develop its role in food-grade salt processing through equipment and engineering solutions centered on practical production needs.

More information about Ruitu's food-grade salt making equipment, salt washing production lines, and related engineering solutions is available at <https://www.sdruitu.com/>.

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