China Leading Supplier of Bridge Saw For Granite: WANLONG's Advanced Production Capacity

Quanzhou, Fujian Jul 6, 2026 (Issuewire.com) - How can stone processors balance high-speed production with the millimeter-level accuracy required for expensive granite slabs? As architectural designs demand larger, flawless stone panels, processors frequently face a classic manufacturing dilemma: accelerating production speeds often leads to increased tool wear and costly material breakage. Granite, renowned for its exceptional quartz content and abrasive characteristics, imposes severe mechanical stress on processing equipment.

Traditional cutting setups regularly encounter structural vibrations, which manifest as uneven slab thicknesses, edge chipping, and premature diamond segment degradation. To overcome these challenges, structural rigidity and precise mechanical engineering must work in harmony. Within this demanding sector, WANLONG has emerged as a critical partner for global stone producers, establishing itself as a China Leading Supplier of Bridge Saw For Granite by engineering heavy-duty machinery designed to handle highly abrasive materials.

Engineered Rigidity for Demanding Mechanical Stresses

To achieve precise execution when processing heavy granite blocks, the mechanical infrastructure of a bridge saw must counteract immense rotational and linear forces. Standard multi-blade cutters often suffer from micro-deviations when slicing through dense materials, a flaw that shortens tool lifespan and produces inconsistent slab surfaces. Addressing this structural challenge, Wanlong Times Technology Co., Ltd. builds its machinery with enhanced heavy-duty bridge structures, high-rigidity guide rails, and

specialized heavy-duty spindles. This robust configuration minimizes structural harmonic vibrations during continuous cutting operations. By stabilizing the entire mechanical frame, the bridge saw for granite delivers a highly stable cutting motion, ensuring uniform force distribution across the diamond blades.

Precision Performance of the QSQ Multi-Blade System

The practical outcome of this rigid design is evident in the performance metrics of the QSQ series multi-blade bridge cutters manufactured by WANLONG. This equipment achieves a cutting accuracy of within ±0.5mm, a critical tolerance for high-volume slab production where material waste directly impacts profitability. Unlike conventional single-blade systems that require multiple repetitive passes, these advanced multi-blade systems support synchronized multi-piece cutting. By deploying multiple blades on a single heavy-duty spindle, the machinery optimizes production efficiency, allowing processing facilities to scale up their daily output significantly compared to standard cutting setups.

CNC Intelligence for Dynamic Material Adaptation

Beyond structural mass, the modern stone processing landscape requires intelligent control systems to adapt to varying material densities. The bridge saw for granite units engineered by Wanlong Times Technology Co., Ltd. integrate intelligent CNC control systems capable of managing processing parameters in real time. Granite varieties vary significantly in hardness, grain structure, and abrasiveness depending on their geographical origin. The integrated CNC software allows operators to input specific parameters or utilize preset configurations that automatically adjust spindle rotation speeds and linear feed rates based on the material profile. This automated adaptation prevents the mechanical overloading of the blades, optimizes the cutting path, and ensures that the diamond segments maintain sharp cutting edges, preventing premature glaze-over or segment detachment.

Scaling Output from Single Machinery to Automated Production Lines

Transitioning from individual machine capabilities to factory floor integration demonstrates how advanced engineering scales up production capacity. In standard factory settings, a standalone cutter can become a bottleneck if surrounding material handling and finishing processes cannot match its speed. To optimize workflow, the QSQ-1700A/1700B/1700C multi-blade bridge cutters operate effectively as the foundational core of an automated production line.

The following table provides a technical overview of the key specifications across the QSQ multi-blade bridge cutter series, allowing processors to select the appropriate model based on their production scale and material dimensions:

These heavy-duty cutters handle the primary block-splitting duties, transforming raw granite blocks into consistent slabs. From there, the material transitions smoothly downstream into automatic polishing machines and edge grinding systems. This continuous line configuration minimizes manual handling, reduces internal logistical delays, and ensures that the high output of the primary cutting stage moves seamlessly through to the final packaging phase.

Dual Expertise in Machine Fabrication and Consumable Tooling

A key differentiator for the company is its dual expertise in both machinery fabrication and diamond tool manufacturing. Founded in 1993 and headquartered in Quanzhou, Fujian, Wanlong Times Technology Co., Ltd. operates two specialized industrial parks spanning 64 acres, containing 40,000 square meters

of manufacturing facilities. Because WANLONG designs and manufactures both the bridge saw for granite and the diamond segments that do the actual cutting, the company delivers a fully integrated system. The diamond tools are formulated specifically to match the torque curves, spindle speeds, and cooling configurations of their machinery. This internal synergy removes the compatibility issues that often arise when sourcing machinery and consumables from separate vendors, providing stone processors with a dependable source for comprehensive technical support.

Industrial Credentials and Rigorous Laboratory Verification

The reliability of these integrated production systems is backed by verified industrial credentials and extensive field deployment. Wanlong Times Technology Co., Ltd. operates as a recognized National High-Tech Enterprise and has received the Second Prize of the National Science and Technology Progress Award, underlining its commitment to research and development in superhard materials and stone machinery. Operating under strict ISO9001 quality management systems, the company maintains dedicated stone sample analysis laboratories. These facilities test stone samples sent by global clients to determine optimal diamond matrix formulas and machinery settings before equipment deployment.

Global Technical Infrastructure and Client Support Network

This analytical approach has enabled WANLONG to expand its presence far beyond its domestic manufacturing base, exporting machinery and tooling systems to more than 180 countries and regions. Managing international operations requires robust after-sales infrastructure. To support its global installations, the company provides multi-language technical support alongside remote diagnostic capabilities. If an operational anomaly occurs, technical teams can access the machine’s CNC interface remotely to adjust parameters, minimize downtime, and ensure continuous operation. Furthermore, the company maintains a responsive supply network for wearing parts, ensuring that critical consumables and spare components reach international processing facilities promptly, protecting the operational continuity of global stone processing plants.

For more information regarding advanced stone machinery and integrated diamond tooling solutions, please visit the official website: https://www.wanlongtimes.com/

Media Contact

Wanlong Times Technology Co., Ltd.

*********@wanlongstone.com

+86 595 2249 8030

13# Zhitai Road Quanzhou Economic Technology Development Zone, Quanzhou, China

http://www.wanlongtimes.com

Source : Wanlong Times Technology Co., Ltd.

See on IssueWire