

China Leading Marble Cutting Blade Exporter: CE-Compliant Solutions for Global Stone Markets



Quanzhou, Fujian Jul 7, 2026 ([IssueWire.com](https://www.issuewire.com)) - Precision and efficiency dictate the daily operations of modern stone processing yards. When a slab of natural marble arrives at a fabrication facility, the operator's primary goal is clear: execute clean, rapid cuts while minimizing material waste and edge chipping. Achieving this balance consistently requires specialized tooling built to precise technical tolerances.

As international safety standards and material characteristics become more demanding, global distributors increasingly look toward certified manufacturers capable of delivering uniform product performance at scale. In this competitive landscape, Wanlong Times Technology Co., Ltd. has established itself as a reliable partner, recognized by international buyers as a [China Leading Marble Cutting Blade Exporter](#) that bridges the gap between high-volume manufacturing and stringent European safety compliance.

Established in 1993 and headquartered in Quanzhou, Fujian, WANLONG has spent over three decades evolving into a high-tech enterprise integrating research and development with precision manufacturing. Guided by its core mission of "making cutting easier," the company manages two modern industrial parks covering 64 acres with 40,000 square meters of production facilities. By focusing heavily on the technical interplay between diamond tools and stone machinery, the enterprise delivers integrated solutions that enhance processing stability across diverse geographical markets.

Navigating Regulatory Standards and the Value of CE Compliance

For stone processing enterprises operating within the European Economic Area and other strictly

regulated markets, hardware procurement is deeply tied to workplace safety and regulatory compliance. The presence of the CE marking on a marble cutting blade is not merely a marketing asset; it serves as a mandatory declaration that the product complies with essential European health, safety, and environmental protection legislation. Specifically, for diamond abrasive tools, this certification signifies adherence to the EN 13236 safety standard, which governs the design and testing of superabrasive products.

[WANLONG](#) addresses these international market entry requirements by maintaining verified CE certification across its export lines, backed by a robust ISO9001 quality management system. This dual-layered compliance framework ensures that the products arriving at foreign ports are manufactured under controlled, repeatable conditions rather than variable workshop environments. For global distributors, stocking CE-certified tools mitigates legal risks and simplifies customs clearance procedures, establishing a predictable supply chain that satisfies both safety inspectors and workshop owners.

Engineering the Soft-Cutting Matrix for Natural Marble

Natural marble presents distinct challenges during the sawing process. Unlike harder stones such as granite, marble is relatively soft but highly brittle and prone to catastrophic edge chipping if subjected to excessive impact or improper friction. To counter this, WANLONG has engineered a specialized cobalt and copper-based bond matrix tailored specifically for the material properties of marble. The inclusion of a softer copper base allows the matrix to erode at a controlled rate, continuously exposing fresh, sharp diamond grits to maintain a clean, low-friction slicing action.

To accommodate varying machinery setups and cutting depths, the company manufactures its marble cutting blade solutions in two primary configurations:

Continuous Rim and Fine-Slot Blades: Designed predominantly in smaller diameters ranging from 105mm to 450mm, these blades are optimized for manual cutting machines, table saws, and bridge cutters used in detailed fabrication. The continuous rim eliminates the impact shock associated with large segment gaps, ensuring the smooth edge finishes required for countertops and tiles.

Large-Scale Segments: For block cutting and heavy industrial processing, larger diameter options extending up to 2000mm are engineered to pair with high-capacity bridge cutters and multi-blade machinery.

These tools feature specific slot geometries that promote rapid slurry evacuation and efficient coolant distribution, preventing thermal stress on both the steel core and the stone slab. This extensive dimensional range ensures direct compatibility with mainstream European and Asian CNC fabrication centers and manual equipment alike.

Understanding the structural and functional distinctions between these two primary blade configurations helps fabricators and distributors match the correct tooling to their specific machinery and production requirements.

Verifiable Quality Control and Traceable Manufacturing Processes

The structural integrity of a diamond blade rotating at high speeds is critical to operator safety. Under the strict mandates of CE verification, Wanlong Times Technology Co., Ltd. operates a dedicated stone sample analysis laboratory alongside advanced testing installations to validate every production batch.

Before any batch leaves the industrial park, the blades undergo rigorous physical testing to simulate extreme operational stress.

A critical phase of this quality protocol is the burst speed test, where blades are spun up to 1.5 times their maximum recommended operating speed to ensure the steel core and segments can withstand centrifugal forces without deformation or failure. Additionally, the mechanical strength of the silver-brazed or laser-welded joints is verified through specialized tension and shear testing equipment.

The manufacturing process itself utilizes automated cold-pressing and hot-isostatic pressing (HIP) sintering furnaces to eliminate human error in temperature and pressure management. Following the sintering phase, each marble cutting blade undergoes precise dynamic and static balancing to correct any minute weight distributions across the steel core. This thorough balancing process reduces machine spindle vibration during field operation, which directly translates to extended machinery lifespan and a lower incidence of micro-fractures along the marble cutting line. Because every step of this process is logged, each shipment possesses a reliable trail of technical accountability.

Standardized Delivery and Global Export Infrastructure

With an export footprint spanning over 180 countries and regions, WANLONG has aligned its logistical and administrative workflows with the expectations of global industrial buyers. Navigating international trade involves more than just shipping physical cargo; it requires a deep familiarity with regional customs documentation, specific labeling laws, and technical file preservation. The company provides complete export documentation packages, including the official Declaration of Conformity (DoC), ensuring that distributors can easily demonstrate product compliance to local market authorities.

Operating as a direct manufacturer allows Wanlong Times Technology Co., Ltd. to offer flexible commercial support alongside its standardized product lines. Recognizing that stone characteristics can vary significantly between quarry regions, the company's technical team provides specialized parameter consultations to help clients select the precise bond hardness required for local marble varieties. Furthermore, the enterprise supports small-batch trial orders for market validation and provides tailored OEM labeling services for established global brands seeking a reliable manufacturing base.

By combining certified product safety with specialized material engineering, WANLONG supports the stone fabrication industry's transition toward cleaner, more efficient processing methods. Through rigorous testing, predictable manufacturing, and a clear understanding of international compliance, the company continues to provide global markets with the tooling necessary to make stone processing safer and more precise.



Parameter	Continuous Rim / Fine-Slot Blades	Large-Scale Segment Blades
Diameter Range	125 mm – 450 mm	Up to 2000 mm
Primary Application	Manual cutters, table saws, bridge cutters for detailed fabrication (countertops, flex)	Block cutting, heavy industrial processing with multi-blade machinery
Bond Matrix	Cobalt & copper-based matrix with controlled erosion rate for continuous diamond exposure	Cobalt & copper-based matrix engineered for sustained high-load cutting
Edge Design	Continuous rim — eliminates impact shock for smooth edge finishes	Segmented design with slot geometries for rapid slurry evacuation & coolant distribution
Certification	CE certified (EN 13236) + ISO 9001 quality management	CE certified (EN 13236) + ISO 9001 quality management
Export Coverage	180+ countries and regions	180+ countries and regions

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