

Superabrasive Launches New Line of Precision Honing Stones to Advance Surface Finishing Technology

Xinxiang manufacturer introduces Diamond and CBN Honing Stones designed for superior accuracy, efficiency, and tool life.



Xinxiang, Henan Oct 18, 2025 ([Issuewire.com](https://www.issuewire.com)) - Superabrasive Tools, a brand under Xinxiang New Zuan Diamond Tools Co., Ltd., has officially launched a new generation of Diamond and **[CBN Honing Stones](#)**, aimed at enhancing precision and productivity in metal finishing applications.

According to Wendy, the company's international sales director, the new honing stone series represents a step forward in ultra-hard abrasive technology:

"Our goal has always been to help manufacturers achieve faster, more accurate, and more consistent results. These honing stones combine the advantages of synthetic diamond and CBN abrasives with advanced bonding technology to deliver outstanding performance across a wide range of materials."

Designed for Precision and Durability

The newly introduced honing stones feature a balanced combination of cutting efficiency, dimensional stability, and long service life. Developed through extensive testing in real-world machining environments, they demonstrate up to 10× longer lifespan and 3–75× higher grinding efficiency compared to traditional abrasives.

Each honing stone is engineered using synthetic diamond or cubic boron nitride (CBN) particles, selected according to the hardness and thermal characteristics of the target material. Synthetic diamond is ideal for brittle, hard substrates such as cemented carbide, while CBN excels in machining alloy steels, tool steels, and high-strength stainless steels.

Comprehensive Range and Custom Options

The product line covers multiple series including **B**, **L**, and **H** types, as well as custom formulations to meet specialized industrial needs. Each variant is available in a range of grit sizes and bond systems—resin, vitrified, bronze, or electroplated metal—allowing users to tailor their honing process for maximum precision and material compatibility.

Applications Across Industries

Superabrasive's new honing stones are designed for high-precision applications such as:

- *Automotive and aerospace component finishing*
- *Hydraulic and pneumatic cylinder honing*
- *Tool and die maintenance and re-finishing*
- *Industrial machining where bore accuracy and surface quality are critical*

Their strong hole-rectification capability allows for tight tolerance control in both manual and automated honing operations, significantly improving roundness and surface consistency.

Commitment to Quality and Innovation

Wendy added that Xinxiang New Zuan Diamond Tools has been investing heavily in R&D to push the boundaries of ultra-hard material applications:

"We continuously refine our formulations and bonding processes to ensure our products not only meet but exceed international performance standards. Our customers rely on us for consistency, efficiency, and technical expertise."

About Xinxiang New Zuan Diamond Tools Co., Ltd.

Founded in Xinxiang, Henan Province, Xinxiang New Zuan Diamond Tools Co., Ltd. specializes in

manufacturing ultra-hard abrasive products including CBN and diamond grinding wheels, honing stones, and precision optical processing tools. The company serves customers in the automotive, aerospace, toolmaking, and machinery sectors worldwide.

With a focus on innovation and quality assurance, the firm operates under the brand Superabrasive Tools, providing tailored solutions that enhance machining efficiency and extend tool life.

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