



CUSTOM-MADE TOOLS

Overview

SUNDI specializes in custom diamond-cutting tools for diverse industries. Our non-standard tools are meticulously tailored to meet specific needs and designs, ensuring exceptional machining performance and high-quality workpieces. Backed by extensive experience and technical expertise, our professional team offers expert advice and support throughout the entire process. We closely collaborate with our customers, from design to delivery, to provide flawless custom solutions.

If you have any inquiries regarding diamond non-standard cutting tools, please contact us. We look forward to delivering high-quality products and services to meet your needs.

✓ **Personalized Customization**

✓ **Enhanced Workpiece Quality**

✓ **Optimal Performance**

✓ **Extended Tool Life**

✓ **Improved Production Efficiency**

✓ **Technical Support And Collaboration**

APCD
INSERTS

Custom Turning Inserts



Custom PCD Inserts

- Modify standard inserts' angles and chip breaker shapes.
- Tailor shapes and cutting lengths to specific applications.

BCBN
INSERTS**C**SOLID CBN
INSERTS**D**PCD
MILLING
CUTTERS

Custom CBN Inserts

- Modify from standard inserts' angles and shapes.
- Specialized customization for unique cutting needs.

EPCD
DRILLING
TOOLS**F**PCD
REAMERS

Carbide Inserts

- Diverse customization for various workpiece requirements.
- Material options: cemented carbide or metal-ceramic.
- Ideal for forming, grooving, and improving efficiency.

GDIAMOND
DRESSERS**H**DIAMOND
CUSTOM-MADE
TOOLS

Custom Face Milling Inserts

- Custom-made for different specifications and brands of face milling cutters.
- Optimized and customized for specific applications, including wiper and cutting depths.

Custom Slot Cutter



PCD Slot

- Custom-made design for slot width, depth, shape, and number of edges.
- Outstanding wear resistance and extended tool life.
- Ideal for various materials, including aluminum, composites, acrylic, and soft steel.



Carbide Slot

- Made from superior carbide material.
- Specifically used for slotting and groove cutting.
- Suitable for common materials like aluminum, composites, acrylic, and soft steel.



Carbide Ring Slot

- Tiny diameter circular slot inserts.
- Sharpened edges for precise cutting.
- Customized for specialized cutting applications.

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CBN
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A

PCD
INSERTS

Replaceable Tool System

B

CBN
INSERTS

PCD/CBN Milling Head

- Interchangeable PCD/CBN milling drilling head, compliant with ISO standards, directly replaceable with carbide milling heads.
- Longer wear resistance and tool life compared to alloy milling heads.

C

SOLID CBN
INSERTS

D

PCD
MILLING
CUTTERS

Customized Non-Standard Tool Shank

- Custom-shaped based on specific requirements and dimensions.
- CNC-carved for precise relative dimensions and accuracy.
- Utilizes excellent heat-treated high-speed steel material to reduce tool vibration during use.

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PCD
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Integrated Tooling System

- Integrates multiple steps such as drilling, reaming, or milling into a single tool.
- Reduces tool change time, enhances efficiency, and ensures concentricity for hole processing.
- Replaceable fragile components like drill bits and milling cutters lower operational costs.

Router bits



PCD Bits

- Fully customized based on the user's geometric designs.
- Suitable for single-point turning, milling, and more.
- Can be adapted to the user's tooling system as replaceable PCD insert bits for milling and other purposes.



Router Tools

- Customized non-standard or formed router tools according to user requirements.
- Used for boring holes, shaping, and turning.
- Materials can be PCD, CBN, or solid carbide.



Engraving Cutters

- Features sharp cutting edges with angles usually smaller than 60 degrees.
- Available for left-hand or right-hand cutting.
- Ideal for composite materials, aluminum, copper, and other non-ferrous metals.

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