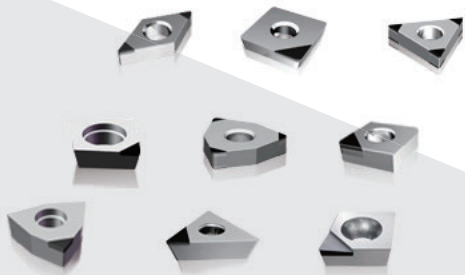


# Our Main Products

- Indexable PCD/CBN Inserts
- Milling Tools
- Drilling Tools
- PCD Reamer Tools
- Special Diamond Tools
- Special Carbide Tools



## INDEXABLE PCD TURNING INSERTS

We provide a complete range of PCD inserts for machining the non-ferrous metal, these PCD inserts are designed to achieve long tooling life, uniform surface finish and excellent dimensional control, bringing out higher productivity and cost reduction in the whole manufacturing process.

## INDEXABLE CBN TURNING INSERTS

Our CBN inserts are designed and manufactured to provide longer tooling life, uniform surface finish and also excellent dimensional control. So our clients will significantly decrease all cost of the componets.



## MILLING TOOLS

The PCD milling tools are widely used for cutting non-ferrous metals and non-metallic materials.

Such as Carbon Fiber Reinforced Plastic (CFRP) Glass Fiber Reinforced Plastic (GFRP), Glare®, Copper, Brass or Graphite and so on.



## MILLING TOOLS WITH HSK / BT BODY

Making the tools in solid HSK/BT body, the number of blades can be 5, 6 or more, based on the customer's requests. The milling tools are widely used in the automotive industry for machining aluminium with great performance.



## BRAZE TIPS WITH CARBIDE BODY

The brazed tips PCD milling tools are the most common PCD milling tools, the tools have great stablilty and maximum working life.



## SOLID-Nib PCD MILLING TOOLS

A cylinder solid PCD material are brazed on the top of the tool body, then we machine the tool body and the PCD material at one time, it makes them have very good consistency.



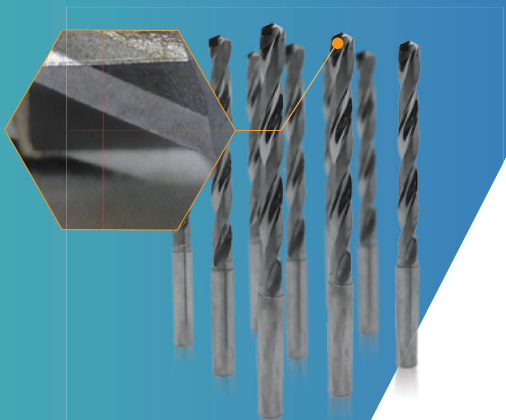
## HELICAL MILLING CUTTERS

I-Aloy high-performance helical cutters offer high feeds, large depths of cut and high metal removal rates in contouring and profiling applications.

## DRILLING TOOLS

We manufacture a complete range of PCD drills & step drills for both, rough hole's processing and finish cut.

Our PCD drills and step drills are used for drilling aluminium & magnesium, wood or plastics, CFRP, GRP, such new composite materials and so on...



## PCD REAMER TOOLS

I-Aloy produces PCD reamers for precision machining of aluminium and other non-ferrous metals to achieve the parts requirement finish and accuracy.

The lead angle provides very effective cutting action when high-speed machining

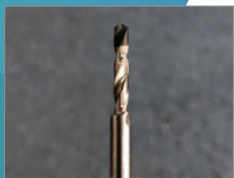
### PCD TIPPED SPIRAL DRILLS

We use the new PCD material from E6(CHEVRON) to braze on the top of carbide body, then machine the tool body and the PCD area at one time by the electrical discharging process.



### FULL NIB PCD SPIRAL DRILLS

The full nib drill is formed with a solid cylinder PCD material, it is developed specifically for the drilling of composites and composite/Stack/AL/Ti applications, the PCD full nib has strong resistance to cracking and chipping, the tools stability is significantly improved.



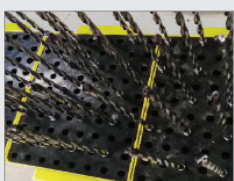
### PCD STEP DRILL/CHAMFER DRILLS

We tipped PCD blade on the top and chamfer of the drills, this kind of PCD step drill can locate directly the position of the holes and drill the 45° or 60° chamfers correctly, it helps workers to reduce working difficulties and workload.



### SOLID CARBIDE DEEP HOLD DRILLS

Solid carbide deep drill has an important role in the application of deep hole processing. We use the first-class carbide material and professional Schütte grinder machines to produce the deep hole drills.



### PCD REAMERS WITH HSK / BT BODY

Making the tools in solid HSK/BT body, The tools can be multi-step and flutes. Showing excellent stability and performance when machining.



### PCD STEP REAMERS /CHAMFER REAMER

We offer wide range of custom-made PCD reamer, They can be different kinds of sharp, chamfer angel or multi-step. The reamers have high precision, high process reliability and high wear resistance when machining.



### PCD THREAD REAMERS

The tools are especially used to machine the thread holes. Easy to use, short processing time and less down time with very good surfaces.



### PCD DRILL REAMERS

They are used for drilling the hold with chamfer in the solid working blank, no performing hold request. High centering accuracy and great stability.





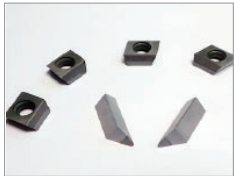
### SPECIAL DIAMOND TOOLS

The special tools include: Special PCD/CBN inserts; Special shape cutting tools; PCD&CBN router bit/Countersink; PCD/CBN grooving tools / bit; Shank tools; Rolling bit and so on.



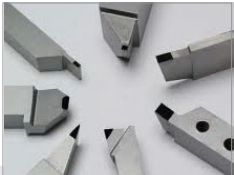
### SPECIAL CARBIDE TOOLS/OTHER TOOLS

We are offering special carbide mill, drill tools and special form carbide/ cermet inserts.



#### SPECIAL PCD/CBN INSERTS

Sundi provides all kinds of special PCD/CBN inserts based on different requirements. To meet the special needs from clients, we usually change the cutting edge length or shape of standard inserts.



#### SPECIAL SHAPE CUTTING TOOLS

The special shape cutting inserts are completely different from the standard inserts. The inserts can be redesigned to be various shapes with direction and angle of cutting edge. We also offer clients the assembly holders



#### PCD/CBN GROOVING TOOLS/BIT ,SHANKED TOOLS

PCD/CBN grooving tools / bit and shanked tools are mainly used for grooving, internal shape/ groove machining.

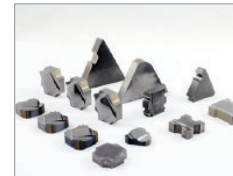
#### PCD CBN ROUTER BIT/COUNTERSINK

PCD/CBN router bit takes a very important part in improving productivity in the special milling process and hole machining.



#### SPECIAL CARBIDE TOOLS

Solid carbide special cutting tools, based on customers special request, like custom-made mills, drills or thread tools.



#### SPECIAL CERMET/CARBIDE INSERTS

Special cermet or carbide inserts with coating based on different application, the inserts are widely used for the turning, boring, and replaceable tooling system.



#### DIAMOND DRESSERS

Diamond dresser is a tool to dress the grinding machines ,also it is an essential part to help the grinding wheel surface to maintain the good dimensional accuracy and the efficiency of the wheel.