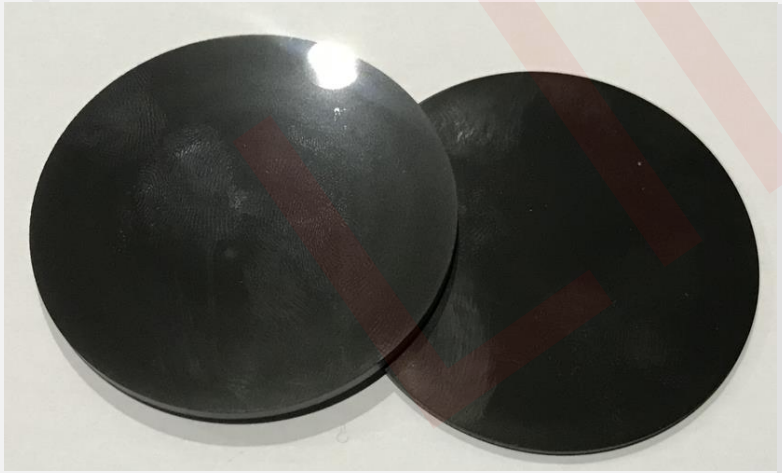
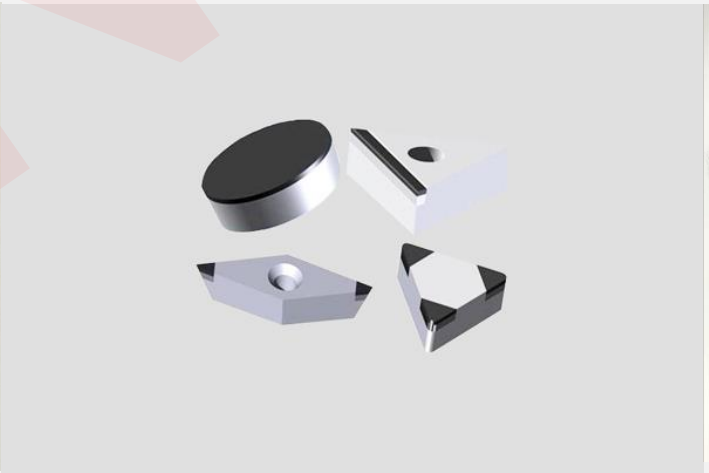
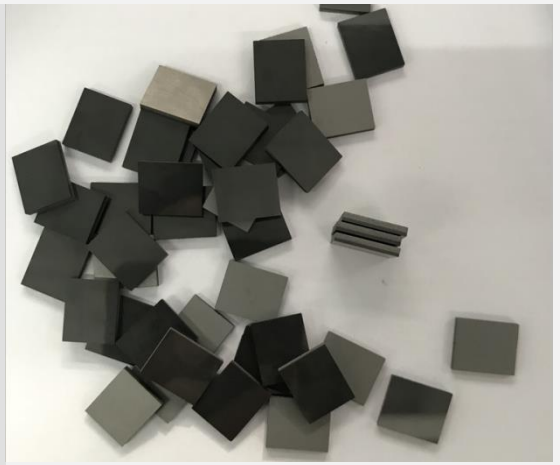
PCD Cutting Tools







Diamond tools are divided into natural diamonds and synthetic diamonds. Synthetic diamonds tools are our common-known PCD tools. The PCD (polycrystalline diamond) blanks is composed of a polycrystalline diamond layer and a cemented carbide substrate. PCD tools have replaced natural diamonds under most conditions.

PCD inserts are used on diamond tools, saw blades, drills, and milling cutters to process workpieces such as cemented carbide, PVC, and aluminum products. The application range of diamond tools is now expanding to many fields such as aviation, aerospace, automotive, electronics, stone and so on.

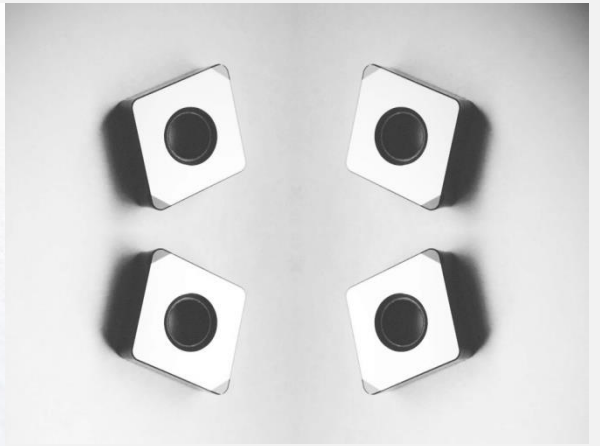
PCD Features

The Features of LINKUT PCD Tools:

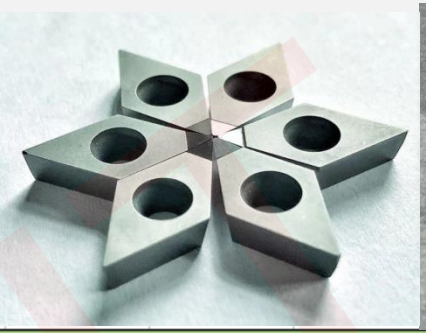
*Adopt independent formula technology, long service life;

*High hardness, high compressive strength, surface smoothness, high thermal conductivity and good abrasion resistance;

*Could obtain high machining accuracy and efficiency in high-speed cutting.



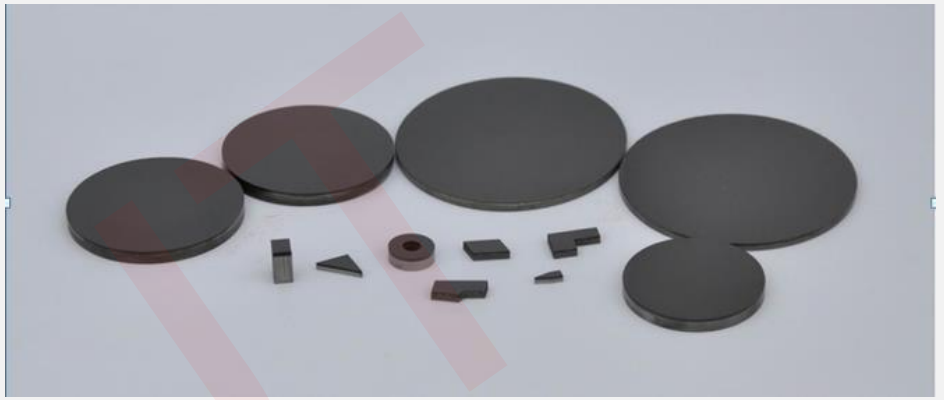
PCD Blanks			
Diameter (mm)	**Grit Size**	**Binder**	**Application**
48mm	5-25μm, 5-30um, 10um.	Metal Binder	Non-ferrous metals and alloys, such as aluminum, copper, aluminum and gray cast iron ,composite materials, of course, also for non-metallic materials, such as wood, fiberboard, ceramics, plastics, rubber, etc.
52mm			
60mm			
62mm			
Other Size could be customized			

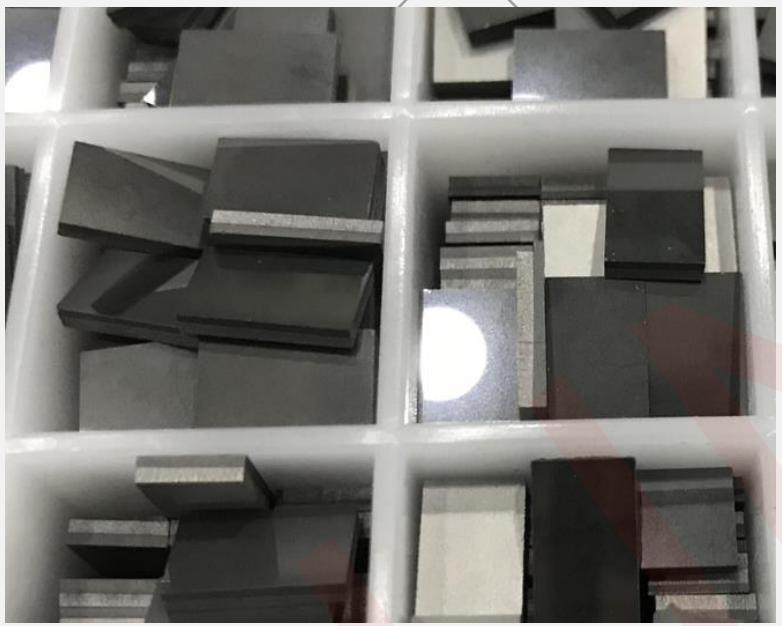




PCD Inserts Grades		
Grade	**Features**	**Application**
ICD10	High surface finish and high precision machining	Low silicon aluminum alloy, copper alloy, titanium alloy
ICD20	Balance of the wear resistance and impact resistance	Medium and low silicon aluminum alloy, graphite, inorganic composite materials, wood, etc.
ICD25	Good wear resistance	High silicon aluminum alloy, cast aluminum and Aluminum composites, etc.
ICD30	Excellent wear resistance	High silicon aluminum alloy, glass fiber, etc.

Model	Φi.c	S
CNGA120404	12.7	4.76
CNGA120408	12.7	4.76
CNGA120412	12.7	4.76
VCGW110302	6.35	3.18
VCGW110304	6.35	3.18
VCGW110308	6.35	3.18
VCGW160404	9.525	4.76
VCGW160408	9.525	4.76
VCGW160412	9.525	4.76
VNGA160402	9.525	4.76
VNGA160404	9.525	4.76
VNGA160408	9.525	4.76
VNGA160412	9.525	4.76
DCGW070202	6.35	2.38
DCGW070204	6.35	2.38
DCGW070208	6.35	2.38
DCGW11T302	9.525	3.97

Model	Φi.c	S
DCGW11T304	9.525	3.97
DCGW11T308	9.525	3.97
DNGA150404	12.7	4.76
DNGA150408	12.7	4.76
DNGA150412	12.7	4.76
TNGA160404	9.525	4.76
TNGA160408	9.525	4.76
TNGA160412	9.525	4.76
CCGW060202	6.35	2.38
CCGW060204	6.35	2.38
CCGW060208	6.35	2.38
CCGW09T302	9.525	3.97
CCGW09T304	9.525	3.97
CCGW09T308	9.525	3.97
WNGA080404	12.7	4.76
WNGA080408	12.7	4.76
WNGA080412	12.7	4.76





The PCD blanks (such as diameter 48mm, 52mm, 60mm, 62mm) coud be cut into different PCD segments for the non-ferrous metal and non-metallic materials cutting, especially for the stone cutting.

Material: PCD layer+Tungsten Carbide

PCD layer thickess: 0.3-0.6mm

Available grain size: 5μm, 10μm, 25μm, etc.

PCD blanks thickness: 1.6mm, 2.0mm, 3.2mm, etc.

PCD segments shape: square, round, rectangle, triangle, etc shape could be customized.

Welcome to Contact Us!

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