



Superhard Cutting Tool Application Solution Provider

PCD/CBN INSERT SERIES



Henan UHD Ultrahard Tools Co., Ltd

CONTENTS



	P03-04
标准刀片型号注释表 Standard insert type notes table	
	P05-06
整体聚晶立方氮化硼刀片 (UBN) 系列 Integral Polycrystalline Cubic Boron Nitride Insert (UBN) Series	
	P07-08
整体焊接立方氮化硼刀片 (USN) 系列 Integral Brazed Cubic Boron Nitride Insert (USN) Series	
	P09-10
复合焊接立方氮化硼刀片 (UPN) 系列 Composite Brazed Cubic Boron Nitride Insert (UPN) Series	
	P11-12
全贴面PCBN刀片系列 Full-Face PCBN Insert Series	
	P13
全贴面PCD刀片 Full-Face PCD Insert Series	
	P14
滚珠丝杆CBN旋风铣刀片系列 CBN Whirling Insert Series for Ball Screws	
	P15-18
应用实例 Application Cases	

Company profile

Henan UHD Ultrahard Tools Co., Ltd is located in Zhengzhou, the industrial base for abrasives & grinding in China. The company was established in 2018 with more than 30 employees and covers an area of 3,800m². It is a key high-tech enterprise engaged in research and development, production and sales of superhard cutting tools.

We have achieved breakthroughs in the technology of precision superhard cutting and grinding tools. At present, the company owns 6 sets of indexable full-automatic CNC tool grinders, 2 sets of digital cutting edge micro-processing equipment, and 1 set of high-precision cutting edge passivation value detection machinery, with an annual production capacity of 500,000 pieces of PCBN/PCD inserts.

Our value is quality-oriented, sincere management, continuous innovation, and customer service.

UHD Ultrahard Tools is a team full of passion and dream, with an international vision, and with advanced management system. In addition to supplying products, it also provides comprehensive solution to customers.



Standard insert type notes table

C	N	G	N	12	04	04	T	01	020	R	A
1	2	3	4	5	6	7	8	9	10	11	12
1. Insert shape				2. Main clearance angle			4. Chipbreaker and fixing form				
S		C					N				
R		T					W				
L		V					X				
D		W									

3. Tolerance (m, s, ic)

Grade symbol	Tolerance			
	m	s	ic	
E	±0.025	±0.025	±0.025	
G	±0.025	±0.13	±0.025	
M	±0.08	±0.13	±0.05	
U	±0.13	±0.13	±0.08	

5. Cutting Edge Length (mm)

lc mm	C	D	R	S	T	V	W	L
3.97			03	03	06		02	
4.76			04	04	08		03	
5.56			05	05	09	09		
6.35		07	06	06	11	11		
8			08					
9.525	09	11	09	09	16	16	06	
12.7	12	15	12	12	22		08	
14				14				
15.875	15		15	15				
16.0	16		16					
16.58								16.5
18.75								21.97
19.05			19	19				

6. Thickness (mm)

Unit:mm			
	01:S=1.59 T1:S=1.98 02:S=2.38 03:S=3.18	T3:S=3.97 04:S=4.76 05:S=5.56 06:S=6.35 T6:S=6.80	07:S=7.94 08:S=8.0 09:S=9.52 10:S=10.0 12:S=12.0

7. Corner radius

	00 r=Round 04 r=0.4 08 r=0.8 12 r=1.2 16 r=1.6 20 r=2.0 24 r=2.4
--	--

9. Chamfer width

	010 byn=0.10 020 byn=0.20 050 byn=0.50 080 byn=0.80 100 byn=1.00
--	--

8. Cutting edge shape

F		Sharp edge
E		ER process edge
T		Negative rake
K		Double negative rake
S		Negative rake+ ER process edge

10. Chamfer angle

	15 yn=15° 20 yn=20° 25 yn=25° 30 yn=30° 35 yn=35°
--	---

11. Tool Left/Right hand

12. Tipped CBN insert mode

N	2N	3N	4N	6N	8N	A	Q	E
One tip	2 tips	3 tips	4 tips	6 tips	8 tips	Soldering	Full face	Special shape

整体聚晶立方氮化硼刀片 (UBN) 系列

Integral Polycrystalline Cubic Boron Nitride Insert (UBN) Series

Features and advantages of integral CBN inserts

★ Especially suitable for large cutting depth rough machining, to improve processing efficiency

Since there is no welding part, it is most suitable for rough machining of cast iron with large cutting depth, and can make up for the chipping and flaking of brazed inserts during rough machining.

★ Used for high-precision machining.

It has extremely high wear resistance and chipping resistance.

★ Achieve an overall cost reduction.

All knife corners and edges can be used as cutting edges, offering good economy. Meanwhile, multiple regrinding operations are feasible, which saves energy and reduces consumption.

Integral Polycrystalline Cubic Boron Nitride Insert (UBN) Material List

Grade	Features	Applicable Industries
UBN S1	It features excellent wear resistance and impact resistance, suitable for high-speed continuous or interrupted cutting. It is applicable to the rough machining and semi-finishing of alloy cast iron, gray cast iron and ductile iron.	Automotive components, air conditioning compressors, bearings, gears, crankshafts, etc.
UBN S2	It exhibits excellent wear resistance and heat resistance, and is suitable for high-speed continuous cutting. It is applicable to the semi-finishing and finishing of alloy cast iron, gray cast iron, and ductile iron.	Automotive components, construction machinery, etc.
UBN S3	It features excellent wear resistance and impact resistance, and is suitable for low-speed interrupted cutting. It applies to the rough machining or semi-finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Wind power generation, gears, construction machinery, slewing bearings, etc.
UBN S4	It has excellent wear resistance and impact resistance, suitable for high-speed continuous cutting. It is applicable to the semi-finishing or finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Wind power generation, gears, construction machinery, slewing bearings, etc.
UBN X3	It has good impact resistance and wear resistance. It is suitable for heavy rough machining of high-hardness materials such as alloy cast iron, gray cast iron and ductile iron.	Metallurgical rolls, compressors, water pumps, mining machinery, etc.

Specifications for Integral PCBN Insert (UBN)

									
Specification	Size				CBN grade				
ISO	L	φIC	S	R	UBNS1	UBNS2	UBNS3	UBNS4	UBNX3
RNGN201000	20	20	10	0					●
RNGN200800	20	20	7.94	0			●		●
RNGN150700	15.875	15.875	7.94	0			●		●
RNGN120700	12.7	12.7	7.94	0		●	●		●
RNGN120400	12.7	12.7	4.76	0	●	●	●	●	●
RNGN090400	9.525	9.525	4.76	0	●	●	●		●
RNGN060300	6.35	6.35	3.18	0		●	●	●	●
SNGN201020	20	20	10	2.0		●	●	●	●
SNGN150716	15.578	15.875	7.94	1.6		●	●	●	●
SNGN120712	12.7	12.7	7.94	1.2	●	●	●	●	●
SNGN120408	12.7	12.7	4.76	0.8	●	●	●	●	●
SNGN090408	9.525	9.525	4.76	0.8	●	●	●	●	●
SNGN090304	9.525	9.525	3.18	0.4		●	●	●	●
SCGN090408	9.525	9.525	4.76	0.8		●	●	●	●
CNGN120408	12.7	12.7	4.76	0.8		●	●	●	●
CNGN120712	12.7	12.7	7.94	1.2		●	●	●	●
CNGN160808	15.875	15.875	7.94	0.8		●	●	●	●
DNGN070404	6.35	6.35	4.76	0.4		●	●		●
DNGN110408	9.525	9.525	4.76	0.8		●	●		●
DNGN150408	12.7	12.7	4.76	0.8		●	●		●
WNGN080404	8.7	12.7	4.76	0.4	●	●	●	●	●
WNGN080408	8.7	12.7	4.76	0.8	●	●	●	●	●
WNGN080412	8.7	12.7	4.76	1.2	●	●	●	●	●
TNGN160404	16.5	9.525	4.76	0.4	●	●	●	●	●
TNGN160408	16.5	9.525	4.76	0.8	●	●	●	●	●
TNGN160412	16.5	9.525	4.76	1.2	●	●	●	●	●
RCGX060500Y	6.35	6.35	5.0	0		●	●		●
RCGX090700Y	9.525	9.525	7.94	0		●	●		●
RCGX120700Y	12.7	12.7	7.94	0		●	●		●
RCGX201200Y	20	20	12	0		●	●		●
RCGX060500V	6.35	6.35	5.0	0		●	●		●
RCGX090700V	9.525	9.525	7.94	0		●	●		●
RCGX120700V	12.7	12.7	7.94	0		●	●		●
RCGX201200V	20	20	12	0		●			●

整体焊接立方氮化硼刀片 (USN) 系列

Integral Brazed Cubic Boron Nitride Insert (USN) Series

Features and Advantages of Integral Brazed CBN Insert

- ★ The tips of the integral brazed CBN cutting insert is exquisite and compact, with high wear resistance and the ability to withstand greater cutting forces.
- ★ Now vacuum brazed is adopted to replace the original high-frequency welding, and integral brazed is used to replace the previous single-side brazing. The advanced processing technology enhances the bonding strength between the cutting tips and the cutter body. Compared with previous integral composite inserts, it avoids the processing problems caused by the delamination of CBN layer, features long durability, reduces tool change time, and lowers the tool usage cost.
- ★ Thanks to the adoption of integral brazing technology, both sides of the insert can be processed, which increases cutting edges and improves the tool utilization rate.

Integral Brazed CBN Insert (USN) Material List

Grade	Features	Applicable Industries
USN100	It features excellent wear resistance and impact resistance, and is suitable for high-speed continuous or interrupted cutting. It is applicable to the rough machining and semi-finishing of alloy cast iron, gray cast iron and ductile iron.	Automotive components, air conditioning compressors, bearings, etc.
USN200	It features excellent wear resistance and heat resistance, and is suitable for high-speed continuous cutting. It is applicable to the semi-finishing and finishing of alloy cast iron, gray cast iron, and ductile iron.	Automotive components, construction machinery, etc.
USN650	It has excellent wear resistance and impact resistance, and is suitable for high-speed continuous cutting. It is applicable to the semi-finishing or finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Gear crankshafts, wind power generation, gears, construction machinery, etc.

Specifications for Integral Brazed CBN Insert (USN)

							
Specification	Size				CBN grade		
ISO	L	φIC	S	R	USN100	USN200	USN650
TNGA160404/08/12	16.5	9.525	4.76	0.4	●	●	●
TNGA220404/08/12	22	12.7	4.76	0.8	●	●	●
WNGA080404/08/12	8.7	12.7	4.76	0.4	●	●	●
WNGA080404/08/12	8.7	12.7	4.76	1.2	●	●	●
CNGA120404/08/12	12.7	12.7	4.76	1.2	●	●	●
DNGA110404/08/12	9.525	9.525	4.76	1.2	●	●	●
DNGA150404/08/12	12.7	12.7	4.76	1.2	●	●	●
VNGA160404/08/12	15.5	9.525	4.76	0.4	●	●	●

复合焊接立方氮化硼刀片 (UPN) 系列

Composite Brazed Cubic Boron Nitride Insert (UPN) Series

Summary of Composite Brazed CBN Inserts:

The cutting tip is small, which is suitable for semi-finishing or finishing fields with small unilateral allowances.

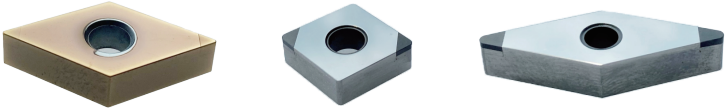
Compared with ordinary brazed inserts, it has the following advantages:

- ★ It is convenient for loading and unloading, enables quick and accurate positioning, and saves tool change time.
- ★ Its extremely high wear resistance greatly extends the service lifetime of the tool.
- ★ It enables high-speed and high-efficiency finishing.
- ★ It is easy to manage, and its logistics are lightweight and safe.

Composite brazed CBN Insert (UPN) Material List

Grade	Features	Applicable Industries
UPN201	It has excellent wear resistance and impact resistance, and is suitable for high-speed continuous or interrupted cutting. It is applicable to the rough machining and semi-finishing of alloy cast iron, gray cast iron and ductile iron.	Automobiles, air conditioning compressors, bearings, gears, crankshafts, etc.
UPN202	It has excellent wear resistance and heat resistance, and is suitable for high-speed continuous cutting. It applies to the semi-finishing and finishing of alloy cast iron, gray cast iron and ductile iron.	Automobiles, construction machinery, etc.
UPN603	It has excellent impact resistance and good wear resistance under low-speed conditions. It is suitable for heavy interrupted turning or milling.	Automotive parts, nickel-cobalt-based superalloys, cemented carbides, etc.
UPN601	It has excellent wear resistance and is suitable for high-speed continuous cutting. It is applicable to the finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Wind power generation, gears, bearings, automotive parts, etc.
UPN602	It has excellent wear resistance and is suitable for high-speed continuous to light interrupted cutting. It applies to the finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Wind power generation, gears, bearings, automotive parts, etc.
UPN605	It has excellent wear resistance and is suitable for high-speed continuous to light interrupted cutting. It applies to the finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Wind power generation, gears, bearings, automotive parts, etc.
UPN608S	It has excellent wear resistance and is suitable for high-speed continuous to moderate interrupted cutting. It is applicable to the finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Wind power generation, gears, bearings, automotive parts, etc.
UPN606	It has excellent wear resistance and is suitable for high-speed continuous to heavy interrupted cutting. It is applicable to the finishing of hardened steel workpieces, such as bearing steel, die steel, tool steel and other materials.	Wind power generation, gears, bearings, automotive parts, etc.

Specifications for Composite Brazed CBN Insert (UPN)

												
Specification	Size				CBN grade							
ISO	L	φIC	S	R	UPN201	UPN202	UPN603	UPN601	UPN602	UPN605	UPN608S	UPN606
TNGA160404	15.5	9.525	4.76	0.4	●	●	●	●	●	●	●	●
TNGA160408	15.5	9.525	4.76	0.8	●	●	●	●	●	●	●	●
TCGW110304	11	6.35	3.18	0.4	●	●	●	●	●	●	●	●
TCGW090204	9	5.56	2.38	0.4	●	●	●	●	●	●	●	●
TCGW080204	8	4.76	2.38	0.4	●	●	●	●	●	●	●	●
TPGW110304	11	6.35	3.18	0.4	●	●	●	●	●	●	●	●
TPGW090204	9	5.56	2.38	0.4	●	●	●	●	●	●	●	●
TPGW080204	8	4.76	2.38	0.4	●	●	●	●	●	●	●	●
WNGA080404	12.7	12.7	4.76	0.4	●	●	●	●	●	●	●	●
WNGA080408	12.7	12.7	4.76	0.8	●	●	●	●	●	●	●	●
WNGA060408	9.525	9.525	4.76	0.8	●	●	●	●	●	●	●	●
CCGW09T304	9.525	9.525	3.97	0.4	●	●	●	●	●	●	●	●
CNGA120404	12.7	12.7	4.76	0.4	●	●	●	●	●	●	●	●
CNGA120408	12.7	12.7	4.76	0.8	●	●	●	●	●	●	●	●
CNGA120412	12.7	12.7	4.76	1.2	●	●	●	●	●	●	●	●
DNGA110404	9.525	9.525	4.76	0.4	●	●	●	●	●	●	●	●
DNGA110408	9.525	9.525	4.76	0.8	●	●	●	●	●	●	●	●
DNGA150404	12.7	12.7	4.76	0.4	●	●	●	●	●	●	●	●
DCGW070204	6.35	6.35	2.38	0.4	●	●	●	●	●	●	●	●
DCGW11T304	9.525	9.525	3.97	0.4	●	●	●	●	●	●	●	●
DCGW150404	12.7	12.7	4.76	0.4	●	●	●	●	●	●	●	●
VNGA110304	6.35	6.35	3.18	0.4	●	●	●	●	●	●	●	●
VNGA160404	9.525	9.525	4.76	0.4	●	●	●	●	●	●	●	●
VCGW110304	6.35	6.35	3.18	0.4	●	●	●	●	●	●	●	●
VBGW110304	6.35	6.35	3.18	0.4	●	●	●	●	●	●	●	●
VCGW160404	9.525	9.525	4.76	0.4	●	●	●	●	●	●	●	●
VBGW160404	9.525	9.525	4.76	0.4	●	●	●	●	●	●	●	●
SCGW09T304	9.525	9.525	3.97	0.4	●	●	●	●	●	●	●	●
SNGA120408	12.7	12.7	4.76	0.8	●	●	●	●	●	●	●	●

Note: Please consult us for specifications not listed.

Full-Face PCBN Insert Material List

Grade	Features	Applicable Industries
UPN801	It has excellent wear resistance and impact resistance, and is suitable for low-speed interrupted turning or milling. It applies to the rough machining and semi-finishing of alloy cast iron, gray cast iron and ductile iron.	Automotive parts, tungsten carbide roll rings, etc.
BN91	It has excellent wear resistance and heat resistance, and is suitable for high-speed continuous cutting. It is applicable to the semi-finishing and finishing of alloy cast iron, gray cast iron and ductile iron.	Automotive parts, tungsten carbide roll rings, etc.

TCGW090204-Q	9.0	5.56	2.38	0.4	●	●		
TCGW110204-Q	11.0	6.35	2.38	0.4	●	●		
TCGW110304-Q	11.0	6.35	3.18	0.4	●	●		
RNGN050400-Q	5.0	5.0	4.76	-	●	●		
RNGN090400-Q	9.525	9.525	4.76	-	●	●		
RNMN120400-Q	12.7	12.7	4.76	-	●	●		
RCGN090700-Q	9.525	9.525	7.94	-	●	●		
RCGN120700-Q	12.7	12.7	7.94	-	●	●		
RCGX060500-Q	6.35	6.35	5.0	-	●	●		
RCGX090700-Q	9.525	9.525	7.94	-	●	●		
RCGX120700-Q	12.7	12.7	7.94	-	●	●		

Specifications for Full-Face PCBN Insert

Specification	Size				CBN grade			
ISO	L	φIC	S	R	UPN801	BN91		
CCGW060204-Q	6.35	6.35	2.38	0.4	●	●		
CPGW060204-Q	6.35	6.35	2.38	0.4	●	●		
CCGW09T304-Q	9.525	9.525	3.97	0.4	●	●		
SNGN090304-Q	9.525	9.525	3.18	0.4	●	●		
SNGN090404-Q	9.525	9.525	4.76	0.4	●	●		
SCGN090404-Q	9.525	9.525	4.76	0.4	●	●		
SNGN120404-Q	12.7	12.7	4.76	0.4	●	●		
SCGN120404-Q	12.7	12.7	4.76	0.4	●	●		
DNGN070204-Q	6.35	6.35	2.38	0.4	●	●		
DCGW070204-Q	6.35	6.35	2.38	0.4	●	●		
TNGN080204-Q	8.0	4.76	2.38	0.4	●	●		
TNGN090204-Q	9.0	5.56	2.38	0.4	●	●		
TNGN110304-Q	11.0	6.35	3.18	0.4	●	●		
TPGN090204-Q	9.0	5.56	2.38	0.4	●	●		
TPGN110304-Q	11.0	6.35	3.18	0.4	●	●		

Full-Face PCD Insert Material List

PCD Grade	Features	Applicable Industries
YD010	Fine diamond particles have good wear resistance and are suitable for continuous finish machining.	Carbide Roll Rings
YD025	Medium-grain diamond has both wear resistance and impact resistance, and is suitable for semi-finish machining.	Carbide Roll Rings
YD302	Coarse-grain diamond particles have good impact resistance and are suitable for rough machining.	Carbide Roll Rings

Note: YD stands for Full-face PCD insert.

Specifications for Full-Face PCD Insert

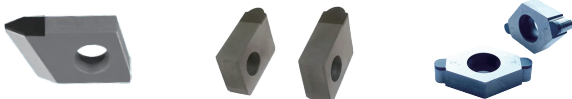
									
Specification	Size				PCD grade				
ISO	L	φIC	S	R	YD010	YD025	YD302		
RNGN040400	4.0	4.0	4.76	-	●	●	●		
RNGN050400	5.0	5.0	4.76	-	●	●	●		
RNGN090400	9.525	9.525	4.76	-	●	●	●		
RNMN120400	12.7	12.7	4.76	-	●	●	●		
RCGN090700	9.525	9.525	7.94	-	●	●	●		
RCGN120700	12.7	12.7	7.94	-	●	●	●		
RNMN150700	15.875	15.875	7.94	-	●	●	●		
RCGX060500	6.35	6.35	5.0	-	●	●	●		
RCGX090700	9.525	9.525	7.94	-	●	●	●		
RCGX120700	12.7	12.7	7.94	--	●	●	●		
RCGN040400	4.0	4.0	4.76	-	●	●	●		
RCGN090400	9.525	9.525	4.76	-	●	●	●		
RCMN120400	12.7	12.7	4.76	-	●	●	●		
RCGN090700	9.525	9.525	7.94	-	●	●	●		
RCGN120700	12.7	12.7	7.94	-	●	●	●		

Note: Please consult us for specifications not listed.

CBN Whirling Insert Material List

Grade	Features	Applicable Industries
UPN801	It has excellent impact resistance and is suitable for rough machining and semi-finishing in high-speed whirling milling. It's an economical product.	Ball Screw
UPN201	It has excellent impact resistance and is suitable for rough machining and semi-finishing in high-speed whirling milling. It's a type of high-efficiency product.	Ball Screw
UPN215	It has excellent wear resistance and is suitable for finishing in high-speed whirling milling. It can realize turning instead of grinding, and is a type of high-efficiency product.	Ball Screw
UPN608S	It has both wear resistance and impact resistance and is suitable for finishing in high-speed whirling milling. It can realize turning instead of grinding, and is a type of high-efficiency product.	Ball Screw

Specifications for CBN Whirling Insert

								
Specification	Size				CBN grade			
ISO	L	H	S	Contact angle	UPN801	UPN201	UPN215	UPN608S
D2.778-R	23	13.5	5.0	42-45°	●	●	●	●
D3.175-R	23	13.5	5.0	42-45°	●	●	●	●
D6.35-R	23	13.5	8.0	42-45°	●	●	●	●
D7.144-R	23	13.5	8.0	42-45°	●	●	●	●
D9.525-R	23	13.5	10.0	42-45°	●	●	●	●
D12.7-R	23	13.5	15.8	42-45°	●	●	●	●

Note: Please consult us for specifications not listed.

Precautions for Using Cutting Inserts

Target Products	Hazards	Measures
All Cutting Tools	Due to the sharp cutting edges, there is a risk of injury if touched directly with hands.	Especially when taking it out of the box and installing it on the machine, please use protective gloves and other protective equipment.
	Tool breakage or scattering may occur due to incorrect usage methods or improper application conditions.	Please use protective equipment such as safety guards and eye protection; Please use it within the recommended operating condition range.
	There is a risk of injury due to tool breakage or scattering, which can be caused by a sharp increase in cutting resistance from factors such as impact loads and excessive wear.	Please use protective equipment such as safety guards and eye protection; Replace the tool as soon as possible.
	There is a risk of injury or burns from the scattering of high-temperature cutting debris or the discharge of long chips.	Please use protective equipment such as safety guards and safety goggles; When removing chips, first stop the machine, put on protective gloves, and use tools like pliers or clamps for the operation.
	During the cutting process, sparks generated, heat and chips from tool breakage may pose a risk of ignition and fire.	Please use protective gear such as protective gloves. During the test run, be sure to check for vibration and abnormal noise.
	There is a risk of injury if you touch the burrs formed on the workpiece directly with your hands.	Please do not touch it directly with bare hands.
All Indexable Tools	If cutting is performed when the insert and its accessories are not properly secured, there is a risk of injury from the insert falling off and flying out.	Do not use auxiliary tools such as sleeves; please use the included wrench.
	There is a risk of the insert or tool breaking and scattering if excessive tightening is done using auxiliary tools such as sleeves.	Please use it within the recommended operating condition range; please refer to documents such as the operation manual and product catalog.
	The insert is used in high-speed rotation scenarios. It is extremely dangerous for the insert and its accessories to fly out due to the effect of centrifugal force. Adequate attention should be paid to safety during operation and handling.	Please strictly comply with the specified usage method.

Note: The content of this manual contains basic safety items. For other details, please refer to the operation manual of each tool, the catalog of various products, etc., or consult our company.

Application Cases



Application: Gear and bearing processing



Application: Automotive parts



Application: Roll processing

Application Cases



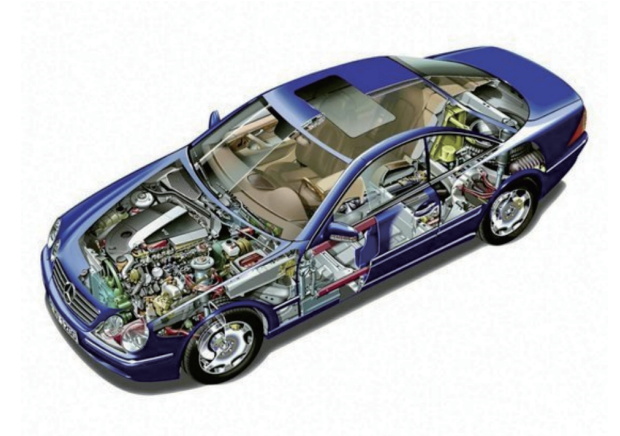
Application: Train components

Strive to Serve High-end Equipment Manufacturing Industry!

Application Cases

Professional Cutting Tools for Turning and Milling of Automotive Components:

Front and rear end faces of engines;
Heavy-duty truck gearbox housings;
Rough-machined / finished automotive brake discs;
Vibration-damping pulley wheels of automotive engines;
Flywheels of automotive engines;
Inner spherical cages of automotive propeller shaft universal joints;
Engine crankshafts;
Engine cylinder liners;
Automotive wheel hubs.



Professional Cutting Tools for Turning of Compressor Parts:

Upper Bearing;
Cylinder;
Crankshaft.



Professional Cutting Tools for Turning and Milling of Machine Tool Components:

Machine Tool Worktables;
Ball Screws;
Gears;
Guide Rails;
Machine Tool Housings.



Henan UHD Ultrahard Tools Co., Ltd

Superhard Cutting Tool Application Solution Provider

Company address: Building 20, Liando U Valley, No. 352 Lianhua Street, High-Tech Industrial Development Zone, Zhengzhou, Henan, China

Website: www.uhd-cbntools.com

Technical Support Email: info@ultrahard-china.com

Mobile: +86 19036951402

