

HOT SELL!

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HELP YOU BUY DIRECTLY FROM
MANUFACTURER IN CHINA.



HELP YOU BUY DIRECTLY FROM MANUFACTURER IN CHINA.



MATERIALS (FIND MORE)

Alumina, Bauxite, Garnet, Zircon Sand...



TOOLS (FIND MORE)

Cutting disc, Diamond Lapping Film,
Foam Abrasive Disc, Flap Disc ...



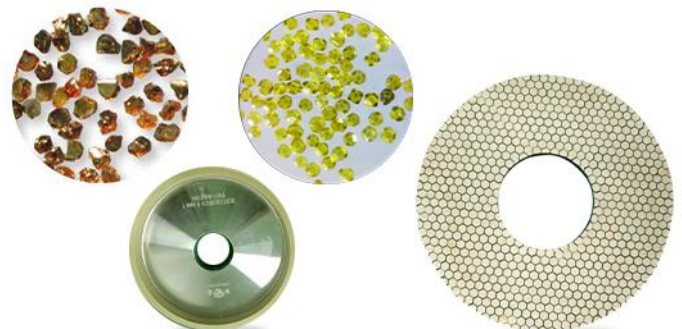
RELATED PRODUCTS (FIND MORE)

Label, Zirconia Beads, Vertical Sand Mill,
Horizontal Sand Mill...



SUPERHARD PRODUCTS (FIND MORE)

Diamond Powder, CBN powder,
Diamond Tools, CBN tools...





MATERIALS

(FIND MORE)



M01. Activated Aluminium Oxide

• Main features

- 1.Uniform ball size
- 2.High crush strength
- 3.Low abrasion
- 4.High adsorptive capacity

• Application

Adsorbent, water purifying agent, catalyst and catalyst carrier.



M02. Alumina grinding ball

• Main features

- 1.High whiteness
- 2.No pollution to grinding materials
- 3.High grinding efficiency
- 4.Competitive price

• Application

Ceramics, quartz, chemical industry and other industries.



M03. Aluminum hydroxide

• Main features

- 1.Extra pure
- 2.Basic raw materials of aluminum fluoride necessary for electrolytic aluminum industry

• Application

Use for industrial grade, like inorganic flame retardant additive
Use for pharmaceutical grade, like as an antacid.



M04. Aluminum Oxide

• Main features

- 1.Feedstock for aluminium smelters
- 2.China is rich in bauxite resources, with 2.3 billion tons of proven conservative reserves
- 3.Available from ultra coarse 12 mesh through to superfine 400

• Application

Used as abrasive, polishing agent, raw material for aluminum smelting and refractory.





M05. Aluminum Shot

• **Main Features**

- 1.Coating removal or paint removal
- 2.Lighter weight blast media
- 3.Use for work piece cannot tolerate etching or ferrous contamination

• **Application**

Surface spraying and polishing treatment of aluminum, zinc or thin-walled workpieces.



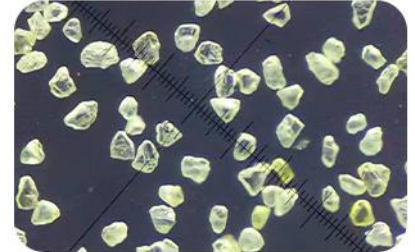
M06. Artificial Diamonds Powder

• **Main Features**

- 1.It has consistent crystal color
- 2.Regular shape
- 3.Good transparency
- 4.High strength and great thermal stability

• **Application**

Could applied to make diamond tools for sawing all kinds of hard stone and concrete, also suitable for geological drills.



M07. BCA Abrasive (Ceramic abrasive)

• **Main Features**

- 1.Better self sharpening
- 2.lifespan of up to 6x-10x longer than other abrasives

• **Application**

Used in bonded abrasives and coated abrasives.



M08. Black Fused Alumina

• **Main Features**

- 1.Moderate hardness
- 2.High toughness
- 3.High-temperature resistance
- 4.Consistent thermal stability

• **Application**

Use for coarse grinding preparatory to electroplating, as well as polishing and sandblasting stainless steel and produced metal products.



M09. Black Silicon Carbide (Carborundum Grit)

• **Main Features**

- 1.Extremely hard and also possesses high thermal conductivity and sharpness.
- 2.The combination of being hard and sharp makes it a perfect media for various surface blasting applications.
- 3.Size Available:

Abrasives

F16-F1200,P12-2500;

Refractory 0-1mm,1-3mm,3-5mm,200mesh,325mesh

• **Application**

Used in high-grade refractory material,metallurgical additive, refractory bricks.





M10. Boron Carbide (B4C)

• **Main Features**

1. Extremely hard boron-carbon ceramic
2. A covalent material used in tank armor

• **Application**

Bulletproof vests, engine sabotage powders, as well as numerous industrial.



M11. Boron Nitride

• **Main Features**

1. Advanced synthetic ceramic material available in solid and powder form
2. High heat capacity and outstanding thermal conductivity

• **Application**

1. It is widely used in precision machining and grinding of steel products,
2. For semiconductor materials,
3. In terms of optical applications, it is an ideal window material for high-power lasers and detectors.



M12. Brown Fused Aluminium Oxide

• **Main Features**

1. A very practical advanced refractory material
2. Tough, hard material with high strength, excellent wear and corrosion resistance and good thermal conductivity.
3. Size Available:
Abrasives F16-F1200, P12-P1200
Refractory 0-1mm, 1-3mm, 3-5mm, 200mesh, 325mesh

• **Application**

Used in coated and bonded abrasive tools, lapping and polishing processes, sandblasting, producing mold of precision casting, refractory materials and physical characteristics.



M13. Calcined Alumina

• **Main Features**

1. More pure than fused aluminum oxide.

• **Application**

1. Use for refractories grade, ceramics grade, polishing grade.
2. Precision-grade can be used in glass and metal lapping and polishing as well as on coated abrasive tapes.



M14. Calcined Bauxite

• **Main Features**

The main component is aluminum oxide, which is a hydrated aluminum oxide containing impurities and is a kind of earthy mineral. White or grayish white, brown yellow or light red due to iron.

• **Application**

1. Used for its anti-skid and high friction properties to make roadways safer.
2. Strong and highly durable material, which makes it ideal to prevent slips on factory floors and other surfaces.





M15. Fused Zirconia

• Main Features

1. Good mechanical properties and stability at high temperatures
2. Superior thermal resistance and corrosion resistance
3. Consistency of its physical and chemical characteristics
4. High chemical inertness

• Application

1. Refractory materials and casting
2. Investment casting
3. Dyes and pigments
4. Abrasive materials
5. Advanced ceramics and special products



M16. Garnet

• Main Features

1. Most versatile waterjet cutting product for a wide range of applications
2. Versatile abrasive for wide variety of applications
3. Optimised cutting speed with a precision edge
4. Consistent particle sizing that reduces downtime and maximises output

• Application

1. Sand blasting
2. Water jet cutter is used to cut steel and other materials
3. Medium for water purification



M17. Glass Bead

• Main Features

1. The most popular industrial abrasive for use in blast cabinets
2. Glass bead produces a high lustre satin finish with good recyclability
3. Available in a range of sizes from 45 microns to 850 microns

• Application

Automobile coating, road reflective material, petrochemical industry, water treatment material, ink, ink, dye, paint pigment, paper making, shot peening and other industries.



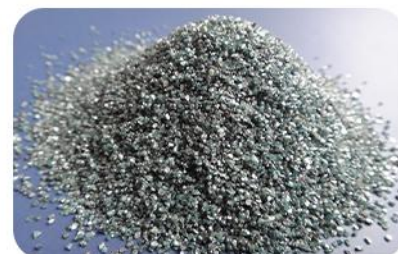
M18. Green Silicon Carbide

• Main Features

1. Highly pure and have extreme hardness
2. Strong cutting capacity
3. Stable chemical properties
4. Excellent thermal conductivity, and high strength at high temperatures.
5. Size Available:
Abrasives F16-F1200, P12-2500, JIS#240-JIS#3000
Refractory 0-1mm, 1-3mm, 3-5mm, 200mesh, 325mesh

• Application

Used in abrasives, blasting, polishing, cutting, refractories, electronics, ceramics, and steel production.





M19. Steel Shot

• Main Features

- 1.High quality steel shot
- 2.Meets all mil-spec approvals
- 3.Available in three grades and a range of particle sizes from S70 - S930

• Application

1. Cleaning
2. Derusting
3. Strengthening: like shot blasting strengthening
4. Shot peening
5. Shot blasting
6. Sanding
7. Pretreatment



M20. White Fused Aluminium Oxide

• Main Features

- 1.Clean and sharp abrasive with excellent abrasive qualities
- 2.Size Available:
Abrasives F16-F1200, P12-P1200.
Refractory 0-1mm,1-3mm,3-5mm, 200mesh,325mesh

• Application

Used in bonded / coated abrasives, refractories, body and vehicle armor blasting , polishing, lapping, anti-slip,laminates coatings and filtration.



M21. Zircon Sand

• Main Features

It is a mineral mainly composed of zirconium silicate. pure zircon sand is colorless transparent crystal, which is often dyed yellow, orange, red, brown and other colors due to different origins, different types and quantities of impurities.

• Application

- 1.Used in ceramics, specialty castings and various refractory applications.
- 2.Resistance to high temperature and abrasion make it extremely valuable in the manufacturing processes as well as ceramics such as glazes for tiles and sanitary wear.
- 3.In industry, it is mainly used as a raw material in making refractory bricks, furnace linings and producing pigments in the ceramic industry.



ABRASIVE TOOLS *(FIND MORE)*



T01. Alumina Polishing Belt

• **Main Features**

1. Micron-graded aluminum oxide for very fine finishes;
2. Film backing is strong and durable, reducing likelihood of yielding or deflection when run;
3. The polishing belt minimizes need for polishing compounds, reducing mess;
4. Flocked coating consists of electrostatically coated fibers and has abrasive coated fibers for a fine finish;
5. Running this belt with water is recommended.

• **Application**

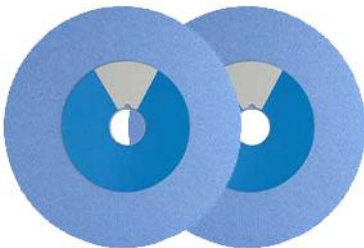
The mineral is micron-graded aluminum oxide coated on PET backing. Widely used for polishing roller, micro motor, etc.



T02. Ceramic Grinding Wheel

• **Main Features**

1. Ceramic grinding wheel has the characteristics of high strength, good heat resistance, sharp cutting, high grinding efficiency, not easy to heat and clog in the grinding process, small thermal expansion to control the machining accuracy and so on.
2. Compared with resin bonded grinding wheel, it solves the problems of low life and low grinding efficiency of resin bonded grinding wheel.



T03. Cloth Belt

• **Main Features**

1. Medium pressure and finer finishes than conventional belts;
2. Heat resistance to protect the metal surface;
3. Flexible backing to cover profiled surface;
4. High efficiency for grinding and finishing;
5. Ideal for intermediate finishing prior to buffing.

• **Application**

Use proprietary microreplication technology by coating micron-graded aluminum oxide particles on cloth to form pyramid structural article. High efficiency for grinding and finishing hard metals, soft metal, alloy, etc.



T04. Coated Abrasive Cloth Base

- **Main Features**

1. Coated abrasive cloth base is the carrier of abrasive used in coated abrasives, also can be called the base of coated abrasives.
2. Common types of base include paper, cloth, and composite base.



T05. Diamond Grinding Pad

- **Main Features**

1. Used dry or wet with water or oil-based lubricants;
2. Fast cutting and consistent fine finishing to tough materials;
3. Range of grades to achieve ideal tolerance;
4. Can be converted to different forms.

- **Application**

The mineral is diamond coated on PC substrate or PSA discs. Widely used for polishing metallography, metalworking, glass-thinning, sapphire, ceramic, etc.



T06. Diamond Hand Pad

- **Main Features**

Diamond hand pad is a hand-held tool, which can be easily and flexibly polished, trimmed and polished various parts.

- **Application**

It is suitable for stone, glass, ceramics, monocrystalline silicon, polysilicon, synthetic materials, hard alloy, aluminum alloy and other hard and brittle materials dressing and polishing.



T07. Diamond Lapping Film Disc

- **Main Features**

1. Most widely used diamond lapping film;
2. Fast cut, increased throughput;
3. Flatter surface and sharp edges;
4. Uniform finish.

- **Application**

Precisely graded diamond particles coated on a polyester film. Provide a consistent, repeatable finish and polish for fiber optic connector.

T08. Diamond Microfinishing Film

• **Main Features**

1. Used dry or wet with water or oil-based lubricants;
2. Fast cutting and consistent fine finishing to tough materials;
3. Range of grades to achieve ideal tolerance;
4. Can be converted to different forms.

• **Application**

Using electrostatic method by coating micron graded minerals on the high strength polyester backing. The sharp diamond mineral has prominent advantages to finish and polish hard metals, thermal spray coating, ceramics, carbides and granite.



T09. Foam Abrasive Disc

• **Main Features**

1. High efficient operation, material and time saving;
2. Fast cutting and precisely finishing control;
3. Evenly wearing and consistent using life.

• **Application**

Made of coating three-dimensional silicon carbide on the foam-backed disc. Can rapidly remove fine sand scratches on painted surface and show high efficiency especially for large panel repair.



T10. Flap Disc

• **Main Features**

1. Benchmark abrasives uses only the highest quality grains and backing material for flap discs.
2. The choice for welders and metal fabricators.
3. Free samples

• **Application**

Designed for grinding, blending, sanding and finishing on a wide range of material.



T11. Film Disc Roll

• **Main Features**

1. Ideal for the defect repair process of paint, clear coat and plastic;
2. Keep consistent cutting action and long life time;
3. Uniform finishing surface without damage and scratches;
4. Conveniently use with the mini orbital sander and easily peel.

• **Application**

Made by microreplication technology that the silicon carbide particles are coated on PET backings. The triangular pyramid surface is widely used for paint defect repair process in automotive finishing.



T12. Fine Fabric Disc

• Main Features

1. Used by handwork or together with sanding machine;
2. Used under wet or dry condition and environment friendly;
3. Used for flat and angled surface with high level uniformity.

• Application

Made of coating abrasive particles of silicon carbide and alumina on the flexible fabric pre-bonded with foam. Widely use to polish paint, wood, metal, composite, etc.



T13. Flannelette Piece

• Main Features

1. It is through the large roll of sandpaper on the back of the flocking, and then through the punching machine with various types of die stamping products.
2. There are round, rectangular, triangular sand and other shapes.

• Application

It is suitable for stone, glass, ceramics, monocrystalline silicon, polysilicon, synthetic materials, hard alloy, aluminum alloy and other hard and brittle materials dressing and polishing.



T14. Handle Impeller

• Main Features

1. The handle impeller is a kind of coated abrasives which is made of sand belt by the assembly line with alumina as the abrasive material and cloth as the substrate, and then laminated by sand belt and resin paste.
2. The shank impeller has the advantages of strong grinding force, sharp and long life, large grinding pressure, uniform surface treatment effect, sharp cutting and high processing efficiency.
3. It can save more time than manual grinding, and is the preferred grinding product for surface treatment.

• Application

Handle impeller is often used in stainless steel, copper, iron, aluminum, plastic, bamboo and other metal and non-metallic materials of various complex surface, deep space polishing and finishing.



T15. Mounted Points

• Main Features

1. Mounted points is a general term for a small grinding tool with a handle, which is used in electric mills, hanging mills, and hand drills.
2. There are many kinds: ceramic grinding head, rubber grinding head, diamond grinding head, emery cloth grinding and so on.





T16. Oil Stone

• Main Features

Oil stone refers to a kind of oil-rich rock. There are generally six kinds of materials: green silicon carbide, white corundum, brown corundum, boron carbide, ruby and natural jade.

• Application

It is suitable for stone, glass, ceramics, monocrystalline silicon, polysilicon, synthetic materials, hard alloy, aluminum alloy and other hard and brittle materials dressing and polishing.



T17. Polishing Wheel

• Main Features

1. Polishing wheel is a pressed flat wheel, which is made of a number of polishing wheels, each of which is evenly coated with a layer of polishing oil layer on the outer surface. There is no need to add oil separately during the polishing process.

2. Polishing wheel is divided into: polishing cloth wheel, hemp wheel, nylon wheel, wiring wheel, wind wheel, wool wheel, etc., more kinds.

• Application

It is simple in structure and easy to use.

Used for polishing workpiece surface and coating.



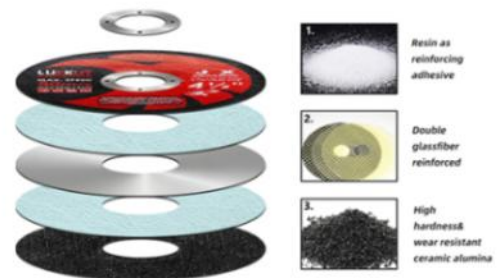
T18. Resin Bonded Cutting Discs

• Main Features

1. Multilevel, excellent fiberglass and resin as reinforced bonded material, high cutting efficiency.
2. Ultra-thin cutting piece wear-resistance, no broken edge and low dissipation for process.
3. Double side fiberglass nets extra high strength for added safety
4. More sharp and smooth incision, extend wheel life, high cost performance

• Application

It is widely used in boiler, construction, automobile and shipbuilding, machine manufacturing industries.



T19. Resin Grinding Wheel

• Main Features

1. High quality resin as binder, and multi-layer reinforced glass fiber reinforcing material strength of the product
2. The grinding ability, high grinding efficiency, long service life, good processing effect, use, feel is good, suitable for stone and glass.
3. Has the high shock resistance, tensile strength, bending strength, safety performance is high
4. The grinding speed of stainless steel and other metal materials is up to 80m/s.

• Application

It is widely used in weld grinding, burr, rust removal, surface polishing, grinding, edge and corner grinding fields.



T20. Sand Belt

• Main Features

1. Sand belt is a ribbon tool that can be ground and polished by using binder to bind abrasive to paper, cloth and other flexible materials.

2. It is a main form of coated abrasives.

It's basic composition is: substrate, abrasive and binder, together called the sand belt composition of the three elements.



T21. Steel Paper Grinding Disc

• Main Features

The steel paper grinding disc is a flake grinding tool made of the steel paper as the matrix and the synthetic resin is used to consolidate the abrasive on the matrix.

• Application

Structural foam disc has three-dimensional silicon carbide abrasive article on the surface, which can rapidly remove fine sand scratches on painted surface and show high efficiency especially for large panel repair.



T22. Scouring Pad

• Main Features

Scouring pad includes industrial scouring pad, civil scouring pad, sanding scouring pad, non-sanding scouring pad and other products.

• Application

The products are widely used in decoration, metal grinding and polishing, daily washing, and are widely used in the market of new products.

T23. Sand Paper Roll

• Main Features

1. The process of sand paper roll to bond abrasives to cloth or paper based raw materials, so it is called coated abrasives, also known as flexible abrasives, because the substrate is soft.

2. The product is very safe and has higher precision when polishing the workpiece, and has the advantage of low grinding cost.





T24. *Sponge Sandpaper*

• *Main Features*

Sponge sandpaper is made of sponge and abrasive. After gluing, flocking, compound, punching and other links of production and processing. It is a kind of polishing material with sponge as the matrix and abrasive sand planted on the sponge.

• *Application*

It is suitable for grinding and polishing the rough surface of solid wood furniture, metal stainless steel, automobile maintenance, machinery manufacturing, plastic glass, decorative crafts and other materials.



T25. *SG Wheels*

• *Main Features*

SG wheel is a new type of abrasive wheel, which has the advantages of high hardness, good toughness, sharp edge, large single feed and no burn. Compared with the ordinary corundum grinding wheel.

• *Application*

SG wheel is especially suitable for the grinding of aerospace alloys, special tool steel, special bearing steel, hard chrome plated materials, hard cast iron and new hard materials.



T26. *Thousand Impeller*

• *Main Features*

1. Thousand Impeller is made into gauze by the assembly line with alumina as the abrasive material and cloth as the substrate, and then made of gauze laminated and resin pasted.
2. The product is hard and wear-resistant working surface, has strong elasticity, has the characteristics of sharp cutting, high processing efficiency, no burn workpiece, stable physical and chemical properties, high safety, continuous operation is simple and convenient, more than manual grinding can save time, is the best surface treatment of mass grinding products.



RELATED PRODUCTS (FIND MORE)



R01. Balance Measuring Instrument

• Application

Used for checking the weight of cutting and grinding wheels.

Application size: 150-230MM, 300-400MM;



R02. Crusher

• Application

Auxiliary equipment of cutting and grinding wheels material-mixing equipment, is used to break abrasive into particles.



R03. Cutting And Grinding Wheel Making Machine

• Application

Can produce resin cutting and grinding wheels from $\Phi 100\text{mm}$ to $\Phi 400\text{mm}$ with different thicknesses. New functions of automatic blade taking, automatic constant volume feeding, automatic hole ring and label loading, can save time and labor.



R04. Eeepom Instrument

• Application

Used to stack the shaped cutting and grinding wheels neatly by quantity before heating by oven.



R05. Fiberglass Backing Plate

• Application

$\phi 75-230\text{mm}$, 5-14 plies, T27/T29/T28, non glue penetration, high strength and good toughness of fiberglass backing plate for flap disc, non-woven disc, felt wheel, etc.



R06. Flap Disc Machine

• Application

(Glue pume system +Feeding narrow belt frame)
Can produce T27/T29 flap discs from sizes 75mm to 180mm.



R07. Furnace



• Application

Used to dry, heat and cure the cutting and grinding wheels into the final shape. Widely used for many kinds of industrial products, such as metal products cleaning and drying, metal parts preheating, rubber products, plastic products, coating drying and curing, painting drying, electroplating, etc.



R08. Grinder

• Application

Surface grinder mainly grind the component surface to reach the required flatness by using the rotating of abrasive disc. According to table shape, it can be divided into rectangular table type and circular table type. According to the shaft type can be divided into horizontal shaft type and vertical shaft type.



R09. Grinding Machine

• Application

Used to grind the surface of components. Suitable for double side precision grinding for hydraulic actuators, hydraulic motor parts, auto steering pump parts, refrigeration compressor parts, oil pump nozzle parts, engine parts, high-precision bearings, seals, piston rings, measuring bladed tools, molds, instruments, carbide blades, ceramic valvecores, monocrystalline silicon sheets, magnetic material, powder metallurgy, etc.



R10. Hole Ring

• Application

Resin cutting wheel hole ring, resin grinding wheel hole ring, flap wheel hole ring, Iron core, gasket, super-thin cutting disc hole ring, matching hole ring, etc.



R11. Label

• Application

Used for cutting and grinding wheels by offset printing, uv offset printing, flexo printing, screen printing with different printing papers, such as coated paper, wood pulp black paper, super-pressure black paper, aluminum foil paper, high tenacity paper.



R12. Packing Machine

• Application

Used for the final packing of products, such as plastic sealing for cutting and grinding wheels.





R13. Particle Size Measuring Instrument

• Application

Different types of particle size measuring instrument can detect the particle size distribution for abrasive, abrasive substance, solid powder, emulsion, etc.



R14. Phenolic Resin

• Application

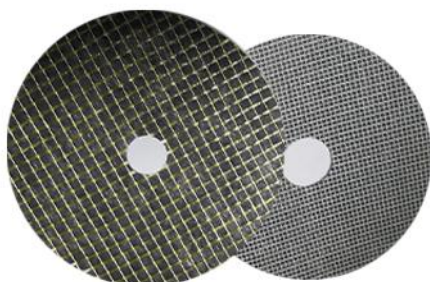
It's a yellow, transparent and blocky material with properties of good acid resistance, mechanical properties and heat resistance, widely used in anti-corrosion engineering, adhesive, flame retardant materials, cutting/grinding wheel manufacturing, etc.



R15. Reticular Mesh

• Application

Fiberglass reinforced net is made of fiberglass and resin, can strengthen the structure of the abrasive boned wheel, with the feature of non-sticking under normal circumstance. Usually use together with the black paper.



R16. Vertical Sand Mill

• Application

None mechanical sealing, easy installation and maintenance. None separation screen mesh, none clogging and cleaning. Efficient ultrafine grading and grinding can avoid over-grinding. It can realize nano ultrafine grinding for ceramic carbon material, energy material, inks, pigment, dye, etc.



R17. Horizontal Sand Mill

• Application

Suitable for large flow production and can realize nano grinding of various advanced materials like ceramic, carbon material, carbon fiber, graphite, carbon composite material, graphene, diamond, energy material, jet inks and pigment, dye, etc.



R18. Vibrating Screen

• Application

Use for screening out the particle size of the abrasive. Can meet the large output and high precision screening for different shapes of materials, such as spherical, cylindrical, platelike and even irregular shape.



SUPERHARD MATERIAL *(FIND MORE)*

CBN TOOLS



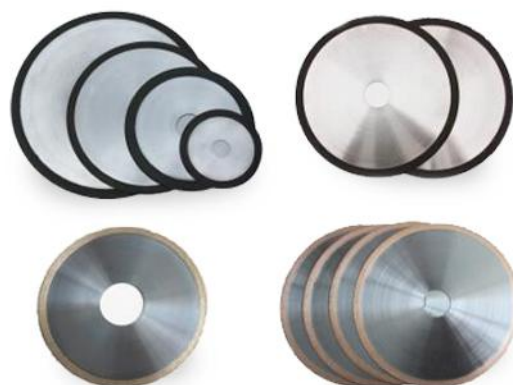
S01. CBN Cutting Disc

• **Main Features**

1. Sharp cutting, high processing efficiency;
2. High rigidity, high strength, long service life;
3. High precision.
4. Continuous cutting does not slip, no saw blade passivation phenomenon;
5. Narrow slit, can greatly improve the utilization of valuable raw materials.

• **Application**

Can be used for precision slotting machine cutting, smooth incision without cracking;



S02. CBN Ceramic Grinding Wheel

• **Main Features**

1. High material removal rate;
2. Good shape retention;
3. High surface finish;
4. High wear resistance

• **Application**

Milling cutter, drill, blade, flat drill, step reamer, woodworking tool, PCD and PCBN cutter, paper cutter, hobbing cutter and other grinding.



S03. CBN Electroplated Grinding Wheel

• **Main Features**

1. High material removal rate;
2. Good shape retention;
3. No need to trim;
4. Good molding effect;
5. The surface finish of the workpiece depends on the precision of the grinder.

• **Application**

Mainly used for high speed steel, hard alloy and other metal materials section difference parts processing.



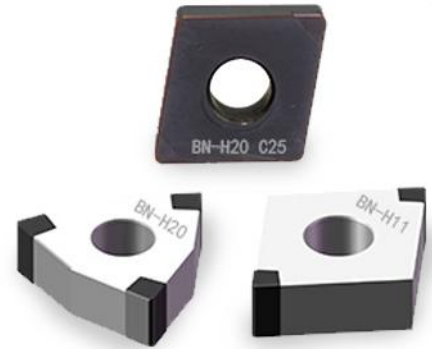
S04. CBN Insert

• Main Features

- 1.Excellent cost performance.
- 2.High machining efficiency.
- 3.Excellent surface quality.
4. Strong universality.

• Application

Cutting ultra hard materials with HRC over 60: high speed steel, hardened steel, gray cast iron, nodular cast iron, high alloy cast iron, high nickel chromium cast iron, high manganese steel and other hard to machine materials;



S05. CBN Metal Grinding Wheel

• Main Features

1. Good molding effect;
2. Workpiece does not break edge, maintain good performance;
3. Long service life;

• Application

Suitable for glass edge of linear shape, semicircle, duck beak shape molding grinding.



S06. CBN Resin Grinding Wheel

• Main Features

1. High material removal rate;
2. Good shape retention;
3. High surface finish;
4. High wear resistance

• Application

Milling cutter, drill, blade, flat drill, step reamer, woodworking tool, PCD and PCBN cutter, paper cutter, hobbing cutter and other grinding.



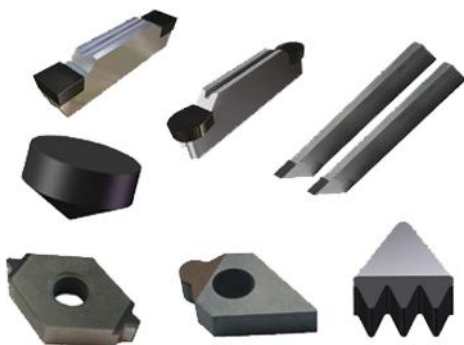
S07. CBN Slot Cutting Tool

• Main Features

- 1.Processing materials including cast iron, hardened steel, powder metallurgy and other ferrous metals
- 2.Processing part including: outer circle, end face, inner hole

• Application

Applied in automobile, air conditioning compressor, etc for turning the outer groove, end groove and inner hole groove of various cast iron, hardened steel, powder metallurgy and other ferrous metals.





S08. Diamond Band Saw

• Main Features

1. With energy saving, save raw materials;
2. Good cutting quality (smooth and smooth);
3. High cutting efficiency, good formability;
4. Not easy to crack and other four advantages.

• Application

Diamond band saw is the world's most advanced superhard material, brittle material straight line, curve cutting tools.



S09. Diamond Ceramic Bonded Grinding Wheel

• Main Features

1. It has high strength, good heat resistance, sharp cutting, high grinding efficiency, not easy to heat and plug in the grinding process, small thermal expansion to control the processing accuracy.
2. Compared with resin bonded grinding wheel, it solves the problems of resin diamond grinding wheel's low life, low grinding efficiency and the abrasive tool itself in the grinding process.

• Application

It was widely used in developed countries in Europe and the United States in wafers (semiconductor silicon and solar silicon), diamond composite sheets, diamond polycrystalline, diamond tools, cubic boron nitride, tungsten steel (hard alloy), new engineering structure ceramics, gems, crystals processing fields.



S10. Diamond Electroplated Bit

• Main Features

1. It is a kind of bit made by using electroplating principle to deposit metal (alloy) and encrusted diamond particles on the bit steel body to form a firm wear-resistant working layer (tire body).
2. There is no thermal damage to diamond during the whole bit fabrication process at low temperature (lower than 40°C), and the original strength of diamond is maintained, which is conducive to giving full play to the characteristics of artificial diamond;

• Application

It is a kind of drilling accessory which cuts rock into core or ground into powder by diamond. It plays a major role in boiler drilling. It is mainly used in geological core exploration, hydrogeological exploration, mineral core drilling and coal exploration.



S11. Diamond Electroplated Grinding Wheel

• Main Features

1. Electroplating process is simple, less investment, convenient manufacturing;
2. No need to repair, easy to use;
3. Single-layer structure determines that it can achieve a high working speed, foreign countries have been up to 250 ~ 300m/s;
4. Although only monolayer diamond, but still have enough life;
5. For roller grinding wheel with high precision, electroplating is the only manufacturing method.

• Application

It is used for grinding of glass, ceramics, ferrite, semiconductor materials and other hard brittle materials and metal materials, appearance processing of hard alloy materials.



S12. Diamond Indenter

• Main Features

1. The matrix of diamond indenter (commonly known as indenter handle) is mostly made of metal materials. According to different hardness test methods and different test conditions and test objects, the matrix materials used are also different.
2. Diamond indenter is to grind a high-quality natural diamond of specified weight into a standard geometric shape with certain technical requirements and insert it into the top of a cone or a regular pyramid, named as "diamond indenter" or "hardness tester indenter".

• Application

Diamond indenter is installed on the hardness tester, it is directly on the metal material to form indentation, is a key component to measure the hardness of materials.



S13. Diamond Pen

• Main Features

1. The manufacturing process of diamond pen is to use powder metallurgy method to position the diamond on the specification handle body, beautiful appearance and reasonable structure.
2. Diamond pens are divided into single particle and multi-particle diamond pens.
3. Different types of diamond pens correspond to the relative grinding wheel dressing.

• Application

Diamond pen, also called diamond grinding wheel dressing pen, is mainly used for diamond grinding wheel dressing.



S14. Diamond Roller

• Main Features

1. It is installed on the dressing device of the grinding machine, and the diamond roller dresses the ordinary ceramic grinding wheel or CBN grinding wheel, and then grinds the parts after the grinding wheel is formed, so that the outline, accuracy and size of the diamond roller are copied to the surface of the parts being processed by the grinding wheel.
2. The product precision consistency is good, the quality is stable, can significantly improve the production efficiency and product quality, reduce the manufacturing cost, easy to realize the grinding automation.

• Application

Diamond roller is a grinding wheel dressing tool with high efficiency, high life and low cost, which is used for mass molding grinding by special machine tools and gear grinding machines.



S15. Diamond Turning Tool

• Main Features

1. High quality natural diamond was selected, and the single crystal of natural diamond was welded to the tool bar by special welding process, which was made by special geometric Angle design and grinding technology.
2. According to customer requirements, it is processed into various angles and radians.

• Application

It mainly used for aspheric surface and free optical surface processing, Wiener processing, ultra-precision processing, such as: used for turning optical plexiglass, non-ferrous metal with high finish, ceramics and so on.

