

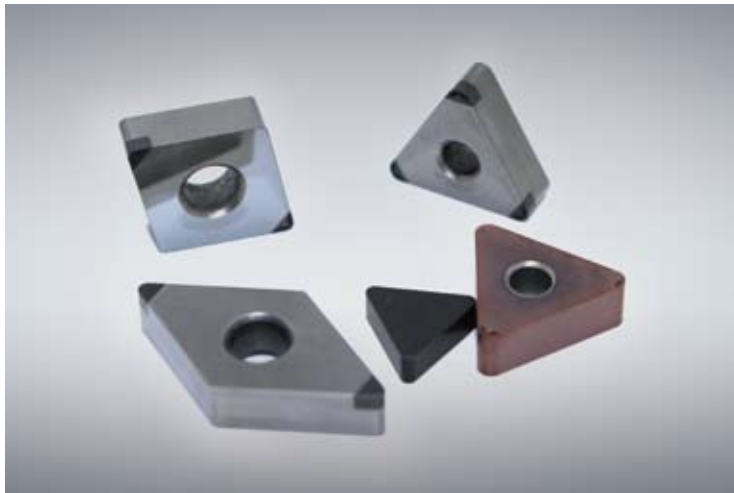
ULTRA PRECISION MACHINING

DIAMOND TOOLS



KOHER - New Line up

Coating Inserts Series



New special Coating technology has been applied to KOHER's CBN INSERT which would make greater performance with longer tool life on Hardened steel cutting process. Various grades and types of CBN inserts are managed as stock system to serve you at any time!

Coating Grade

N series | TiN Coating for General Use

A series | TiAlN Coating for Dry cutting & Milling

S series | NanoSi Coating for finishing

KOHER Chipbreaker Series

KOHER's PCD & CBN Chipbreaker Series is ready to provide you premium quality on cutting performance! Various design is available according to customer's request.



Z series | PCD/CBN Laser Chipbreaker

With laser machine, we have prepared Laser Chipbreaker insert lines. We create our own design to serve you the right tools!



G series | CBN Grinding Type Chipbreaker

KOHER's Grinding Type Chipbreaker makes a new outstanding performance on hard soft turning.



C series | KOHER PCD/Carbide Combined Chipbreaker

Patent No. 10-2015-0149455 KOHER- PCD Chipbreaker Insert!



KOREAN INTELLECTUAL PROPERTY OFFICE

KOHER Brazed Solid CBN Inserts

KOHER's Brazed Solid CBN insert line will give you higher performance on turning process than any other competitors. All high and low content CBN grades are available. Super Series has its unique and special design with Solid CBN tip brazed. KOHER's Super Series demonstrates its true ability on strong interrupted cut which frequently cause sever damage from the high impact.



KOHER - PCD/CBN Inserts

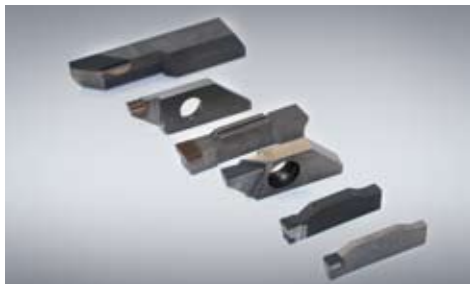
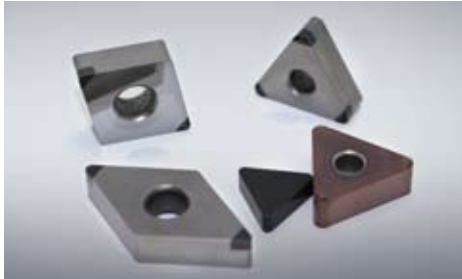
PCD / CBN Insert

Our KOHER PCD/CBN Inserts would improve your machining efficiency under our well experienced experts' technical feedback.

ISO Turning, Milling, Boring and Grooving Inserts

Special bites

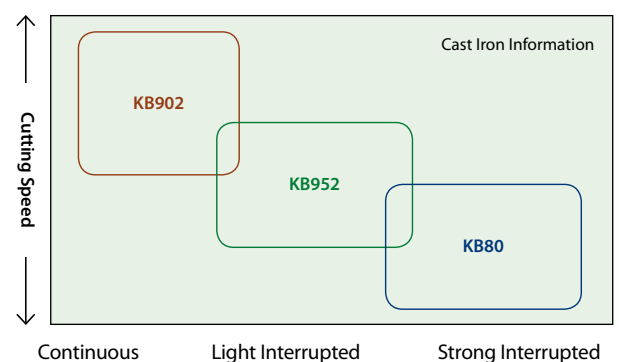
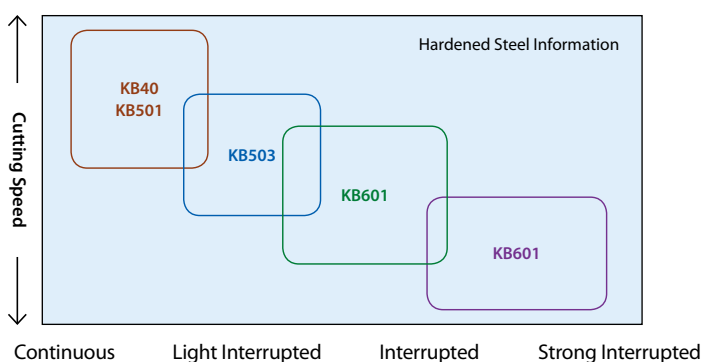
- Small diameter boring bite
- Optical lens mold core machining bite
- OPC Drum bite



KOHER PCD Grade Information

PCD	Grain	Grain(μm)	Features
Super Fine	KP01D / KP01E	Sub	DIA Average particle size < 1 μm Great performance in small CNC lathe process
Fine	KP05	5	Great wear resistance with excellent surface finishing DIA Average particle size < 5 μm
Fine	KP10	10	Great wear resistance Wide range of usage for normal Turning / Milling process
Mixed	KPM	30 + 4	High Abrasion + impact resistance Fiber Glass, Fiber Board, High Si Alloy Etc.
Coarse	KPC	30	Big Grain size with great wear + impact resistance High Si Alloy, Sintered Ceramic and Sintered Alloy Etc.

KOHER CBN Grade Information



Diamond Insert

Contact Lens Tools

KOHER provides you various Optic Tool Series with high accuracy even under 50nm waviness and 5nm Radius size control.



Applications

- DSLR Camera Lens Core Machining Process
- CD, DVD Lens core Machining Process
- Smart Phone, Tablet PC Camera Lens Process
- DOE Core Machining

Electro Optic Tools



Applications

- RGP Lens Machining
- Soft Lens Core Machining
- Ophthalmic Lens

Major Features

- Perfect Tool Design per Customer's needs
- Vacuum Brazing System
- Inspection System [Microscope x1000]
- Regrinding Service available

Automobile Tools

There are thousands of big and small single parts required to make one car in each various production line. Especially Alloy Wheels and DC motors industry require higher precision technology on part making process.



KOHER Armature Tools for DC Motor

- Natural & Mono Diamond Bite
- Natural Diamond V-Block

Mirror Facing Bite and inserts for Alloy Wheel

- Mono Crystal Bite : 1.2R / 2R / 3R
- Insert type / Solid type

Customized Rotating Tools

KOHER PCD Reamers & Burnishing Tools

We are manufacturing and supplying all kinds of PCD reamers especially in Automotive Industry which requires precision cutting performance. It is widely used to cut Aluminum alloy, Tungsten carbide and Composite materials. KOHER developed our own unique design to save your production cost efficiently. We are currently supplying to Japanese and European motor part companies located all over the world.



KOHER Coated Carbide Drill & Endmil

KOHER provides you Special Carbide Drill & Endmil Series with multi-step cutting edges by maintaining outstanding cutting clearance edge through WEDM processing and grinding. We control Run-out under $3\mu\text{m}$



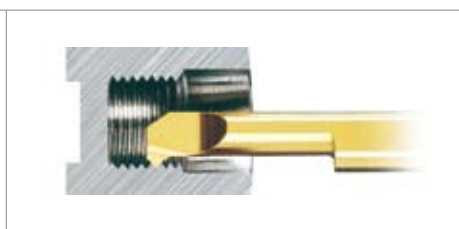
Shank Type

- Tungsten carbide Solid / Top Solid / Hardened Steel

SPD, Oil hole and Step endmil

- Long Drill
- General Drill [Oil hole, Step and Micro Drills]

KOHER Coated Carbide Small Diameter Tools



Carbide Materials

KOHER Carbide Series



Precision Moulding parts - RAM & POT

- Applicable Grade: JSF13, JF12, UF10~30

Forging / Powder moulding materials

- Applicable Grade: KG1~7, KM7~9

Cutting Tool materials

- Applicable Grade: K10T, KG1~2, JA30

Various kinds of Carbide bit for Mining industry

- Applicable Grade: JR20~JR60

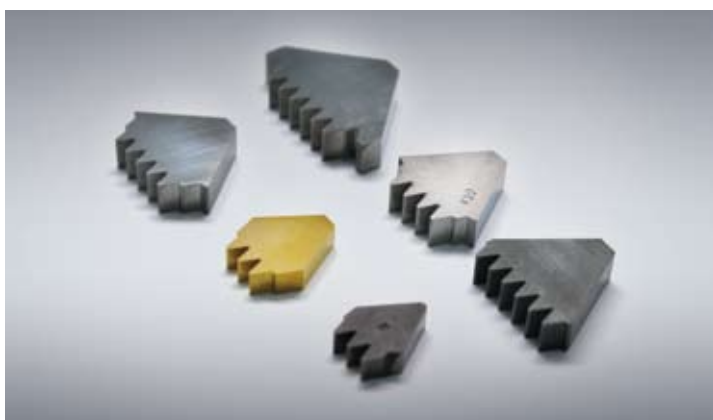
Wear resistant carbide materials

- Such as Carbide Punch and Dies. Ring, Rolls etc.
- Applicable Grade: JR60, JM40

Punch & Die

- Connector Part - Punch & Die, Stopper, Stripper
- Automobile Part - Guiding Bush, Roller

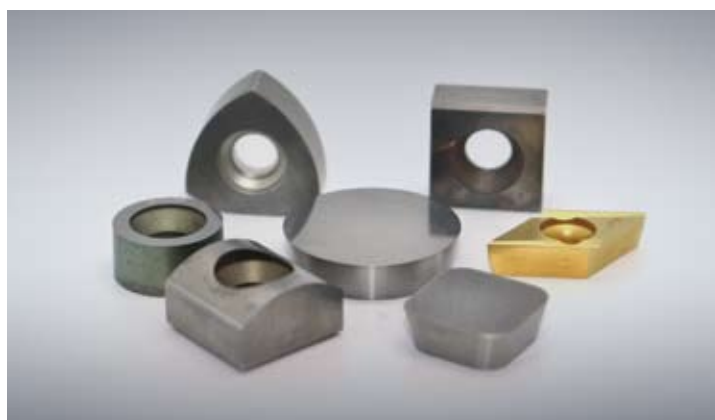
Customized Carbide Tools



Carbide Belt Pulley Forming Insert

For Groove machining pulley, our KOHER Forming Insert makes excellent performance on general Aluminum workpiece.

- KOHER N Series (TiN Coating) works outstanding cutting on Stainless steel process.(Single ~ Six Teeth are available)



H-Beam Cutter for bevel machining

- General Carbide bevel H-Beam cutter
- N Series is also available

Customized Rotating Tools

•Sawing

•CNC Milling / Drilling

•Edge Trimming

•Profiling



KOHER Metal Slitting Saws Series

There are many different kinds of carbide / HSS slitting saw series ready for your request!

T-cutter

- Carbide
- All Solid Type / Tip brazed Type

Metal Slitting Saw

- HSS SKH51
- OD : 50, 75, 100, 125, 150, 200mm
- ID : 25.4mm
- Thickness : 0.3, 0.5, 0.8, 1.0, 1.2, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0mm

Counterbore

- HSS SKH51
- Size : M3.0 ~30.0
- Flute : 4

Side Milling Cutter

- Application - Grooving steel, aluminum and stainless steel.
- High Cutting Speed available

Other customized tools are available





NEW VALUE CREATION & CONTRIBUTING TO HUMAN WELL-BEING & PREACHING THE GOOD NEWS



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