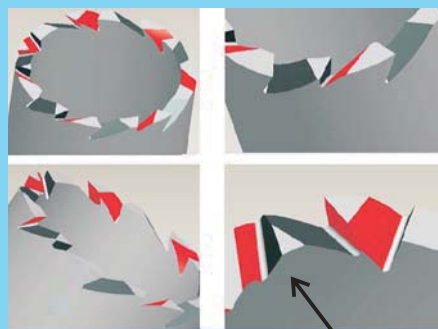


可依CAD/3D圖及樣品研磨任意形狀，齒形、結構、深淺度，鋒利性程度的取骨工具。
We can grind the tool for removing the bone with any requirement of any shape,
tooth form; structure; depth and sharpness according to the CAD/3D drawings.

- ★ 可依要求生產不同刃部材料類型（陶瓷類、鎢鋼類、超高防銹高級品不銹鋼類(AA)、鈦及鈦合金類、常規標準防銹高耐磨不銹鋼(A).....等系列）
- ★ Different cutting edge materials (ceramic, carbide, high anti-rust high grade stainless steel (AA), titanium and titanium alloys, conventional standard anti-rust high wear-resistant stainless steel (A) ...series) can be produced according to customers' requirement



用料AA級：
超高防銹高
品級不銹鋼(AA)
(HRC54 ± 2° 斷面)
AA grade material:
Ultra-high rust-proof
high grade stainless
steel (AA) (HRC54 ± 2° Section)



陶瓷
Ceramic



用料A級：
一般防銹高耐磨
不銹鋼(A)
(HRC45° ~64° 斷面)
A grade material:
General rust-proof
high wear-resistant
stainless steel (A)
(HRC45° ~64° Section)

※ 刃部加工等級：

AAA級：CNC超硬砂輪，鏡面研磨任意形狀之刃口，同心度◎，跳動↗，圓柱度 $\phi \leq 0.003\text{mm}$ (3 μm)，可任意的刃口鋒利程度。
A A級：CNC超硬砂輪，精研磨任意形狀之刃口，同心度◎，跳動↗，圓柱度 $\phi \leq 0.008\text{mm}$ (8 μm)，可任意的刃口鋒利程度。
A級：CNC超硬砂輪，一般研磨任意形狀之刃口同心度◎，跳動↗，圓柱度 $\phi \leq 0.012\text{mm}$ (12 μm)，可任意的刃口鋒利程度。
B級：CNC車削加工+熱處理+拋光處理，較差的刃口鋒利性，同心度◎，跳動↗，圓柱度 ϕ (0.10~0.20mm)
(100/ μm ~200/ μm)

※ Cutting edge machining grades:

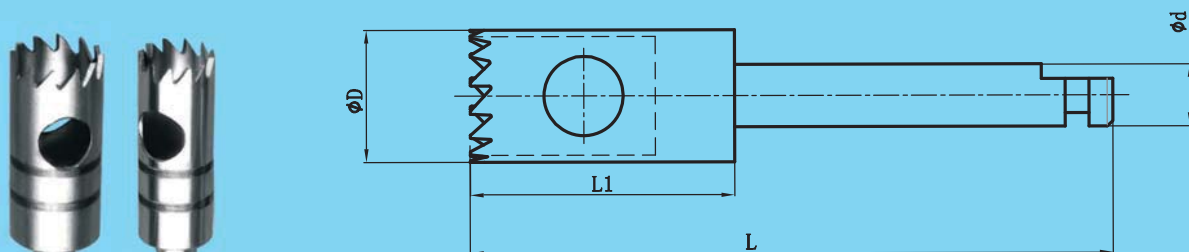
Class AAA: CNC super hard grinding wheel, mirror surface grinding for any shape of cutting edge. Concentricity ◎, runout ↗, cylindricity $\phi \leq 0.003\text{mm}$ (3 μm), any sharpness of cutting edge.
Class A A: CNC super hard grinding wheel, finish grinding for any shape of cutting edge. Concentricity ◎, runout ↗, cylindricity $\phi \leq 0.008\text{mm}$ (8 μm), any sharpness of cutting edge.
Class A : CNC super hard grinding wheel, general grinding for any shape of cutting edge. Concentricity ◎, runout ↗, cylindricity $\phi \leq 0.012\text{mm}$ (12 μm), any sharpness of cutting edge.
Class B : CNC lathe work + heat treatment + polishing treatment, worse sharpness of cutting edge. Concentricity ◎, runout ↗, cylindricity ϕ (0.10~0.20mm) (100/ μm ~200/ μm).

※ 刃部材料類型：

1. 超高防銹不銹鋼類(AA)(HRC54° ± 2° 斷面) (常備常規)
2. 常規標準防銹高耐磨不銹鋼類(A) (HRC45° ~64° 斷面)
3. 鈦及鈦合金類(HRC35° ~42°)系列.
4. 陶瓷類(HRA85° ~94°)系列, (HRC67° ~84°)系列.
5. 鎢鋼類(HRA81° ~94°)系列, (HRC60° ~84°)系列.

Material of cutting edge:

1. ultra-high anti-rust high wear-resistant stainless steel(AA)(HRC54° ± 2° Section)(regular stock)
2. general anti-rust high wear-resistant stainless steel(A) (HRC45° ~64° Section)
3. Titanium and Titanium alloy (HRC35° ~42°) series
4. Ceramic (HRA85° ~94°)series, (HRC67° ~84°) series
5. Carbide (HRA81° ~94°) series, (HRC60° ~84°) series



部分尺寸 some size

	刃徑 φD Diameter	4.1	5.0	6.0	7.0	8.0	4.5	5.5	6.5	7.8
	刃長 L1 length of cut 刃の長さ	10	10	10	10	10	14.85	14.85	14.85	14.85
	柄徑 φd Shank Dia.	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
	總長 L Overall Length 總長さ	24.3	24.3	30.85	30.85	30.85	30.85	30.85	30.85	30.85

材料:

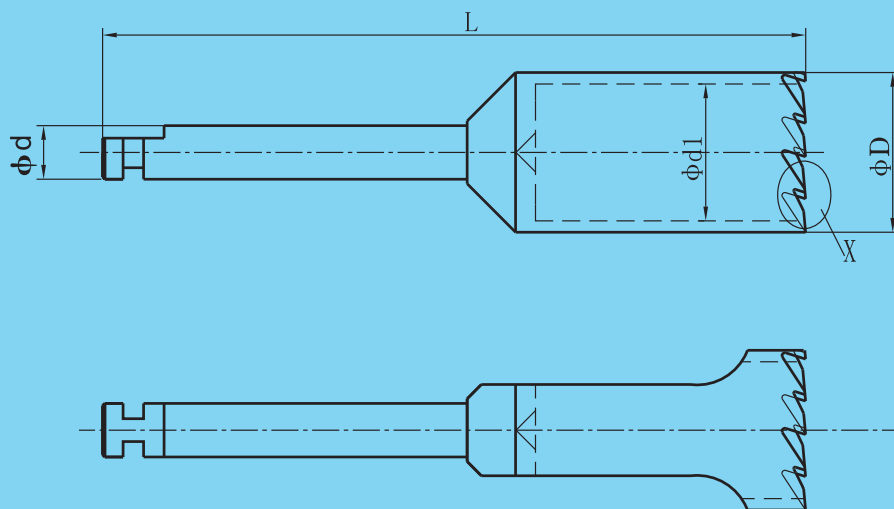
- ① 超高防銹高耐磨不銹鋼系列(AA)(HRC54° ± 2° 斷面)(常備常規)
- ② 常規標準防銹高耐磨不銹鋼系列(A)(HRC45° ~ 64° 斷面系列)

Material:

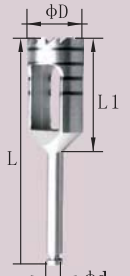
- ① Super-high anti-rust high wear resistance stainless steel series(AA)(HRC54° ± 2° Section)(regularly stock)
- ② General anti-rust high wear resistance stainless steel series(A)(HRC45° ~ 64° Section series)



可加工任意尺寸、不同角度、不同鋒利性、
不同定位方式、精度、公差公差、形狀結構、齒形及齒數
Can process any size, tolerance, shape, structure, teeth form and teeth number.



部分尺寸(AA):some size(AA)

	刃徑 φD Diameter	4.1	5.0	6.0	7.0	8.0	4.5	5.5	6.5	7.8
	刃長L1 Length of cut 刃の長さ	10	10	10	10	10	14.85	14.85	14.85	14.85
	柄徑 φd Shank Dia.	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
	總長L Overall length 總長さ	24.3	24.3	30.85	30.85	30.85	30.85	30.85	30.85	30.85

部分尺寸(AA):some size(AA)

	刃徑 φD Diameter	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	9.0	10	11	12
	刃長L1 Length of cut 刃の長さ	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
	柄徑 φd Shank Dia.	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
	總長L Overall length 總長さ	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6

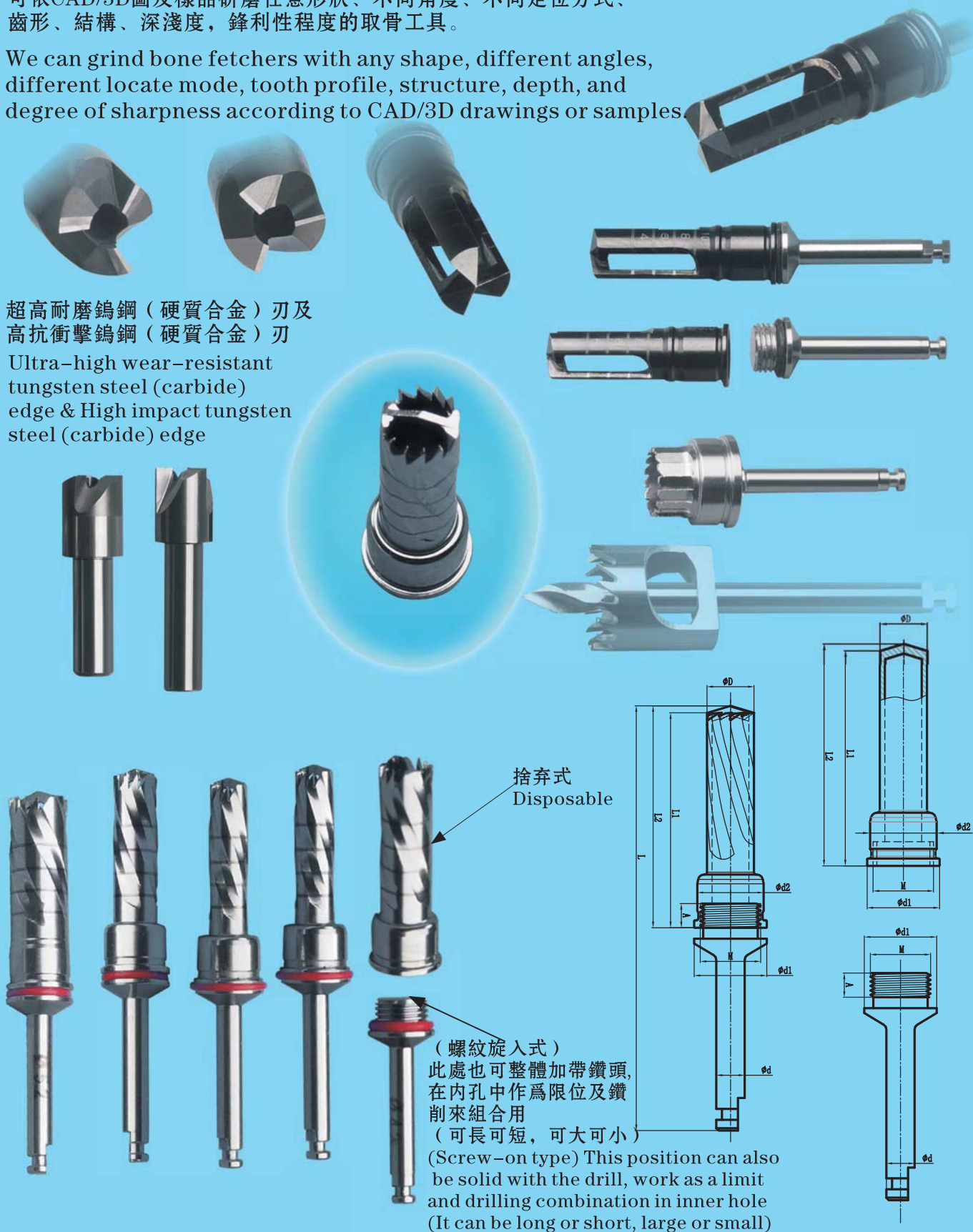
φD均為外徑尺寸，內孔比外徑小1mm；總長可以按貴司要求生產，壁厚常規見0.5mm，也可以0.25;0.3mm,可以根據貴司需要生產。All the φD are out diameters. The inner holes are 1mm smaller than out diameters. The total length can be produced according to your esteemed company's requirement. The normal wall thickness is 0.5mm. 0.25mm,0.3mm,or sizes as per your requirement are all OK.

可依CAD/3D圖及樣品研磨任意形狀、不同角度、不同定位方式、齒形、結構、深淺度，鋒利性程度的取骨工具。

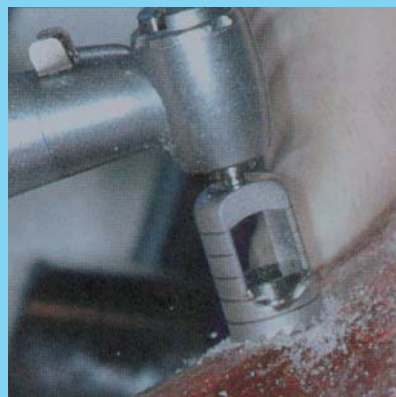
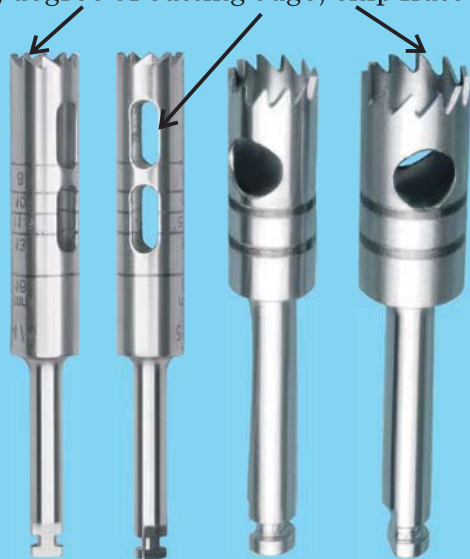
We can grind bone fetchers with any shape, different angles, different locate mode, tooth profile, structure, depth, and degree of sharpness according to CAD/3D drawings or samples.

超高耐磨鎢鋼（硬質合金）刃及
高抗衝擊鎢鋼（硬質合金）刃

Ultra-high wear-resistant
tungsten steel (carbide)
edge & High impact tungsten
steel (carbide) edge

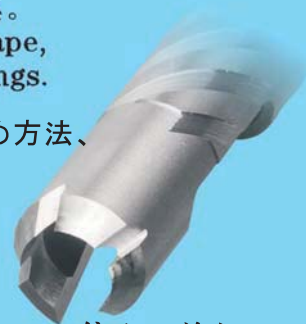


可超硬研磨任意刃口角度、方式、結構及刃口鋒利程度、容屑槽大小等要求之制品
We can produce products with any requirement for angle of cutting edge, type, structure, degree of cutting edge, chip flute size.



可依CAD/3D圖及樣品研磨任意形狀，齒形；結構；深淺度；鋒利性程度的取骨工具。
We can grind the tool for removing the bone with any requirement of any shape, tooth form; structure; depth and sharpness according to the CAD/3D drawings.

CAD/3D図面またはサンプルに基づいて、あらゆる形状、各角度、各位置決め方法、
齒型、構造、深さ、鋭利さのトレフィンが研磨ができる



偏心刃旋切
Eccentric rotary-cutting



部分尺寸(AA):some size(AA)

	刃徑 ΦD Diameter	3.0	4.0	5.0	6.0	7.0
	刃長 L1 Length of cut 刃の長さ	11.3	11.3	11.3	11.3	11.3
	柄徑 Φd Shank Dia.	2.35	2.35	2.35	2.35	2.35
	總長 L Overall length 總長さ	31	31	31	31	31

ΦD均為外徑尺寸，內孔比外徑小1mm；總長可以按貴司要求生產，壁厚常規見0.5mm，也可以0.25;0.3mm,可以根據貴司需要生產。All the ΦD are out diameters. The inner holes are 1mm smaller than out diameters. The total length can be produced according to your esteemed's requirement. The normal wall thickness is 0.5mm. 0.25mm,0.3mm,or sizes as per your requirement are all OK.

外斜口
external oblique opening

可超高鋒利型
ultra-high sharp
一般鋒利型
general sharp

材料:

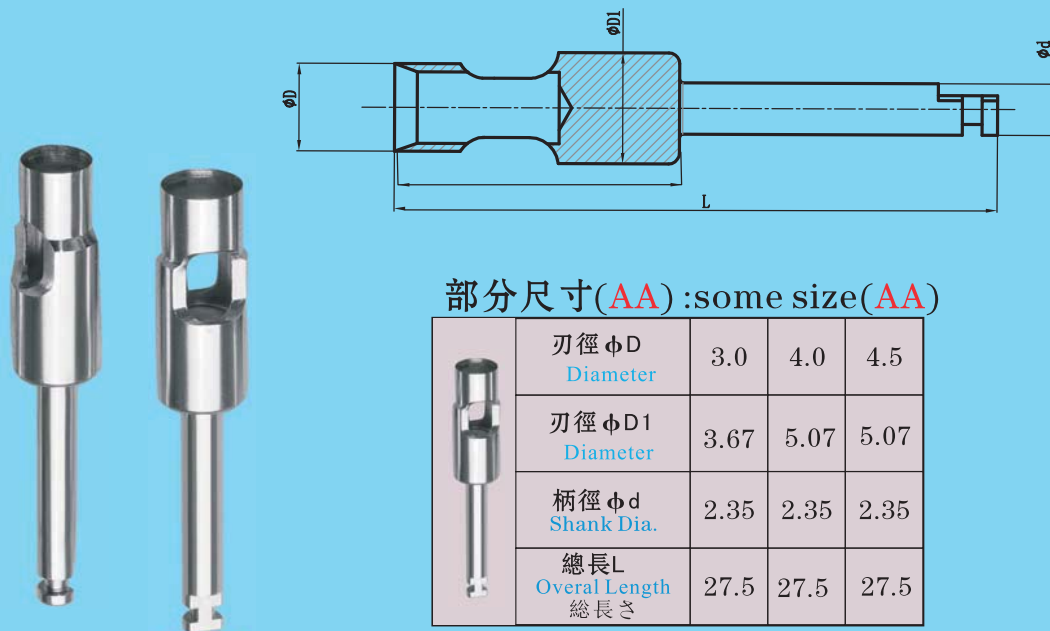
- ①超高防銹高耐磨高硬度不銹鋼系列(AA)(HRC54° ± 2° 斷面)(常備常規)
- ②常規標準防銹高耐磨不銹鋼系列(A)(HRC45° ~64° 斷面 系列)

Material:

- ①Ultra high rust-proof, high wear-resistant & high-hardness stainless steel series (AA)(HRC54° ± 2° Section)(regular stock)
- ②General anti-rust high wear resistance stainless steel series(A)(HRC45° ~64° Section series)

內斜口
internal
oblique opening

可加工任意尺寸、公差、形狀、結構、刃口角度、鋒利性要求
Can process any size,tolerance,shape,structure,cutting edge
angle and sharpness.



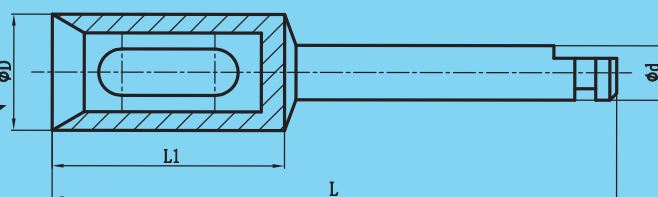
材料:

- ① 超高防銹高耐磨高硬度不銹鋼系列(AA)(HRC54° ± 2° 斷面)(常規常備)
- ② 常規標準防銹高耐磨不銹鋼系列(A)(HRC45° ~64° 斷面 系列)

Material:

Ultra high rust-proof, high wear-resistant & high-hardness stainless steel series (AA)(HRC54° ± 2° Section)(**regular stock**)
② General anti-rust high wear resistance stainless steel series(A)(HRC45° ~64° Section series)

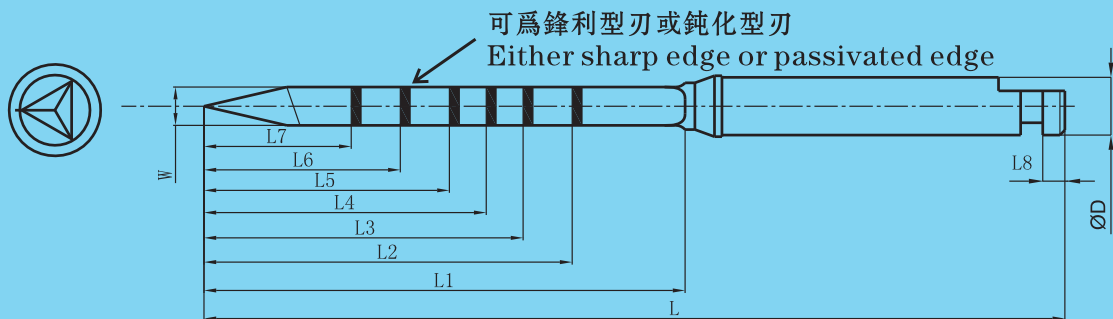
可超高鋒利型&一般鋒利型
ultra-high sharp&general sharp



部分尺寸(AA):some size(AA)

	刃徑 ϕD Diameter	3.0	4.0	5.0	6.0
	刃長 $L1$ length of cut 刃の長さ	11.3	11.3	11.3	11.3
	柄徑 ϕd Shank Dia.	2.35	2.35	2.35	2.35
	總長L Overall Length 總長さ	31	31	31	31

ϕD 均為外徑尺寸，內孔比外徑小1mm；總長可以按貴司要求生產，壁厚常規見0.5mm，也可以0.25;0.3mm,可以根據貴司需要生產。All the ϕD are out diameters. The inner holes are 1mm smaller than out diameters. The total length can be produced according to your esteemed's requirement. The normal wall thickness is 0.5mm. 0.25mm,0.3mm, or sizes as per your requirement are all OK.



可研磨3-12棱之成型錐度
We can grind profile taper with 3-12 arris.

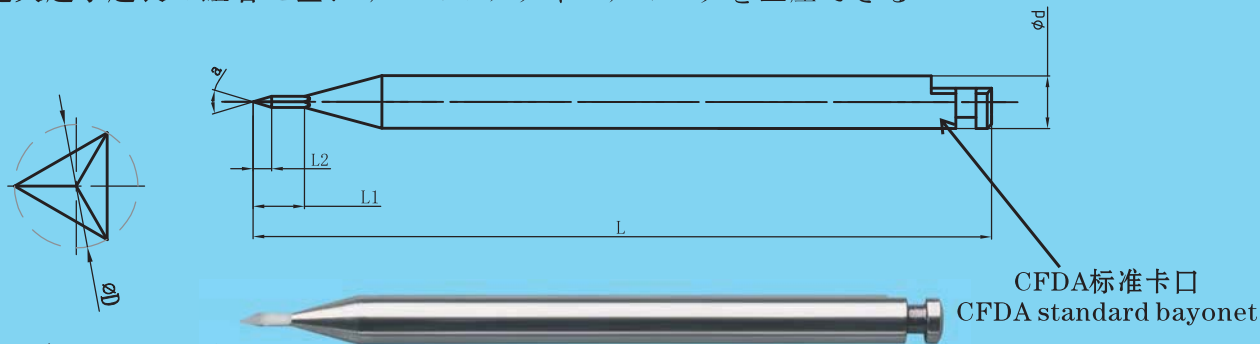
- ① 表面可黃色/黑色/亞光/亮光處理
Yellow/Black/Shiny/Matt treatment
- ② 可依要求做任意長度、寬度及深度大小的凹槽。
Grooves of any length, width and depth can be made as required.



★ 依圖依樣尺寸公差要求可生產特殊、複合、異型、超大超微細超長組合成型制品。

We can produce special, compound, special-shaped, Super large, Super thin, Super long combined forming products according to the requirements of drawings, samples, and size tolerance.

図面、サンプルまたは寸法公差の要求により特殊、複合、異型、超大超小超長の組合せ型シリーズのフライスディスクを生産できる



(微型刃至 $\Phi 0.50\text{mm}$)
(Micro edge to $\Phi 0.50\text{mm}$)

★ 可超硬、超精研磨。任意的柄部類型、芯厚、容屑槽寬度、刃背方式、鑽尖方式、內冷卻孔方式、刃部結構、刃口角度、刃口鋒利程度之要求、及高可至 $\pm 0.003\text{mm}$ ($3\mu\text{m}$) 的尺寸公差要求 We can produce with super hard and super finish grinding and satisfy your requirement of any type of shank, web thickness, width of chip flute, land, drill tip, inner cooling hole, structure of cutting edge, angle of cutting edge, degree of sharpness of cutting edge, and the dimension tolerance can be up to $\pm 0.003\text{mm}$ ($3\mu\text{m}$)

材料：

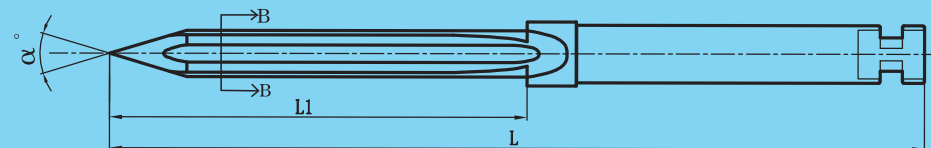
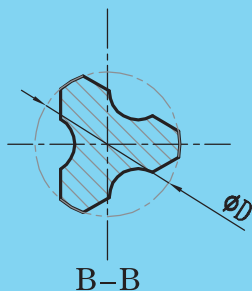
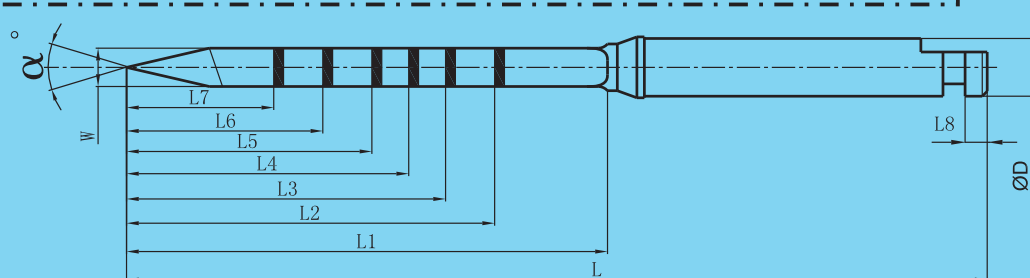
- ① 超高防銹高耐磨高抗冲击高韧性不锈钢系列（AA）(常备常规)
- ② 高抗冲击钨钢。
- ③ 超高耐磨高硬度钨钢。(超高耐用度,但较脆)

Material:

1. Ultra-high rust-proof, high wear-resistant, high-impact and high-toughness stainless steel series(AA)(regular stock)
2. Carbide with high shock resistance
3. Carbide with super-high wear resistance and high hardness(super-high durable, but more brittle)

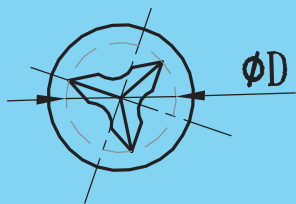
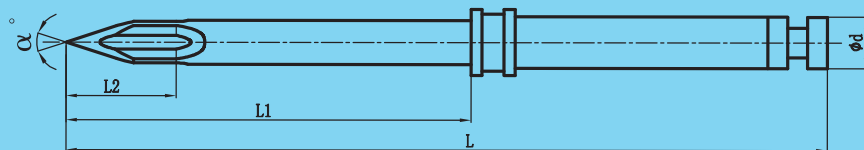
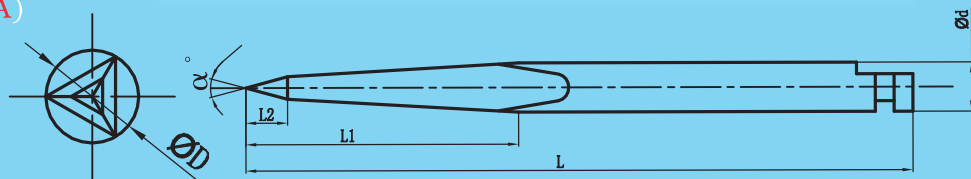
表面处理：黄色/黑色/亚光处理/光亮处理

Surface treatment: yellow/black/matt treatment



部分尺寸(AA)some size(AA)

	刃徑 ϕD Diameter	2.0	2.0
	刃長 L_1 Length of cut 刃の長さ	13.08	13.08
	柄徑 ϕd Shank Dia.	2.35	2.35
	總長 L Overall Length 総長さ	32	36



★可超硬、超精研磨。任意的柄部類型。芯厚。容屑槽寬度。刃背方式。鑽尖方式。內冷卻孔方式。刃部結構。刃口角度。刃口鋒利程度之要求。及高可至 $\pm 0.003\text{mm}$ ($3\mu\text{m}$) 的尺寸公差要求 We can produce with super hard and super finish grinding and satisfy your requirement of any type of shank, web thickness, width of chip flute, land, drill tip, inner cooling hole, structure of cutting edge, angle of cutting edge, degree of sharpness of cutting edge, and the dimension tolerance can be up to $\pm 0.003\text{mm}$ ($3\mu\text{m}$)

可依要求做任意長度、寬度及深度大小的凹槽。
Grooves of any length, width and depth
can be made as required.



硬質合金對焊型,高硬度、超耐磨,但抗崩刃性較差些。
Hard alloy butt welded, with high hardness
& superhigh wear resistance, but with
relatively poor chipping resistance



★可超硬、超精研磨,任意的柄部類型、芯厚、容屑槽寬度、刃背方式、鑽尖方式、內冷卻孔方式、刃部結構、刃口角度、刃口鋒利程度之要求,及高可至 $\pm 0.003\text{mm}$ ($3\mu\text{m}$)
的尺寸公差要求 We can produce with super hard and super finish grinding and satisfy your requirement of any type of shank, web thickness, width of chip flute,
land, drill tip, inner cooling hole, structure of cutting edge, angle of cutting edge, degree of sharpness of cutting edge, and the dimension tolerance can
be up to $\pm 0.003\text{mm}$ ($3\mu\text{m}$)

- ★ 可依要求生產不同刃部材料類型 (陶瓷類、鎢鋼類、高品級不銹鋼類、鈦及鈦合金類、一般不銹鋼.....等系列)
- ★ We will produce the cutting edge with different material types (ceramics, carbide, high-grade stainless steel, titanium and titanium alloys, general stainless steel,...)



※ 刃部加工等級:

AAA級: CNC超硬砂輪,鏡面研磨任意形狀之刃口,同心度◎,跳動↗,圓柱度 $\phi \leq 0.003\text{mm}$ ($3\mu\text{m}$),可任意的刃口鋒利程度。
A A級: CNC超硬砂輪,精研磨任意形狀之刃口,同心度◎,跳動↗,圓柱度 $\phi \leq 0.008\text{mm}$ ($8\mu\text{m}$),可任意的刃口鋒利程度。
A級: CNC超硬砂輪,一般研磨任意形狀之刃口同心度◎,跳動↗,圓柱度 $\phi \leq 0.012\text{mm}$ ($12\mu\text{m}$),可任意的刃口鋒利程度。
B級: CNC車削加工+熱處理+拋光處理,較差的刃口鋒利性,同心度◎,跳動↗,圓柱度 ϕ ($0.10 \sim 0.20\text{mm}$) ($100/\mu\text{m} \sim 200/\mu\text{m}$)

※ Cutting edge machining grades:

Class AAA: CNC super hard grinding wheel, mirror surface grinding for any shape of cutting edge. Concentricity ◎, runout ↗, cylindricity $\phi \leq 0.003\text{mm}$ ($3\mu\text{m}$), any sharpness of cutting edge.
Class A A: CNC super hard grinding wheel, finish grinding for any shape of cutting edge. Concentricity ◎, runout ↗, cylindricity $\phi \leq 0.008\text{mm}$ ($8\mu\text{m}$), any sharpness of cutting edge.
Class A: CNC super hard grinding wheel, general grinding for any shape of cutting edge. Concentricity ◎, runout ↗, cylindricity $\phi \leq 0.012\text{mm}$ ($12\mu\text{m}$), any sharpness of cutting edge.
Class B: CNC lathe work + heat treatment + polishing treatment, worse sharpness of cutting edge. Concentricity ◎, runout ↗, cylindricity ϕ ($0.10 \sim 0.20\text{mm}$) ($100/\mu\text{m} \sim 200/\mu\text{m}$).

※ 刃部材料類型:

1. 超高防銹不銹鋼類(AA)(HRC54° ± 2° 斷面) (常備常規)
2. 常規標準防銹高耐磨不銹鋼類(A) (HRC45° ~ 64° 斷面)
3. 鈦及鈦合金類(HRC35° ~ 42°)系列.
4. 陶瓷類(HRA85° ~ 94°)系列, (HRC67° ~ 84°)系列.
5. 鎢鋼類(HRA81° ~ 94°)系列, (HRC60° ~ 84°)系列.

Material of cutting edge:

1. ultra-high anti-rust high wear-resistant stainless steel(AA)(HRC54° ± 2° Section)(regular stock)
2. general anti-rust high wear-resistant stainless steel(A) (HRC45° ~ 64° Section) series
3. Titanium and Titanium alloy (HRC35° ~ 42°) series
4. Ceramic (HRA85° ~ 94°) series, (HRC67° ~ 84°) series
5. Carbide (HRA81° ~ 94°) series, (HRC60° ~ 84°) series

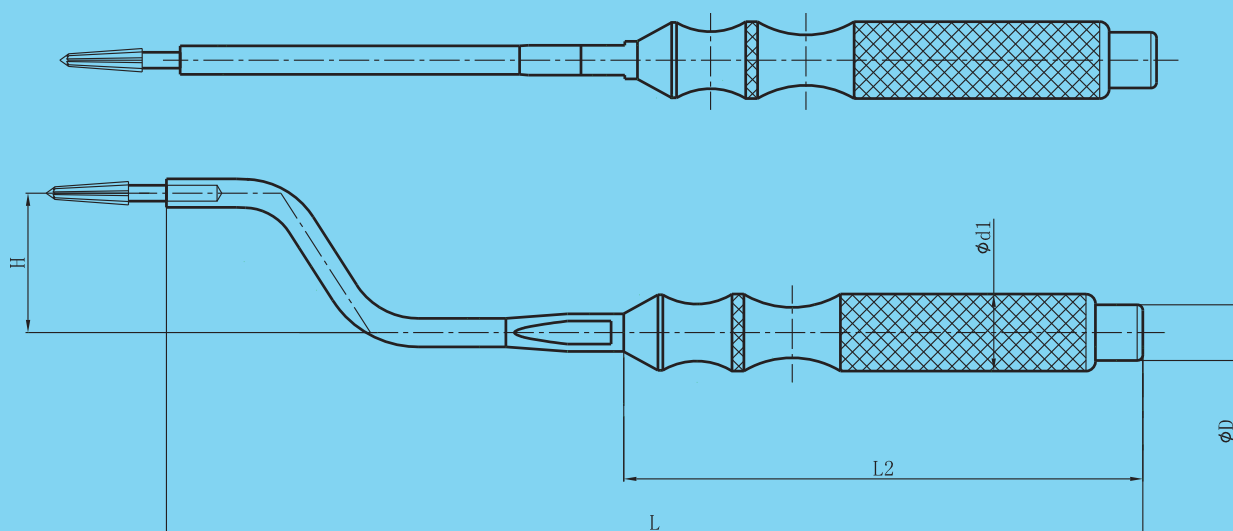
※ 可熱處理後硬料、超硬、超精研磨任意的柄部類型,孔徑、壁厚、牙型、牙數、刃口形狀、刃口類別,刃口之結構、角度、螺旋角,刃口鋒利程度之要求.....

By way of super hard and super finish grinding for hardened material after heat treatment, we can produce any type of shank and satisfy your requirement of any hole diameter, wall thickness, thread form, number of teeth, cutting edge shape, cutting edge type, structure of cutting edge, angle, helix angle, and sharpness requirements...

※ 產品成本由:

刃部材料類型+刃部加工等級+產品精度要求 = 組成不同使用用途、效果、檔次、性價比之制成品。

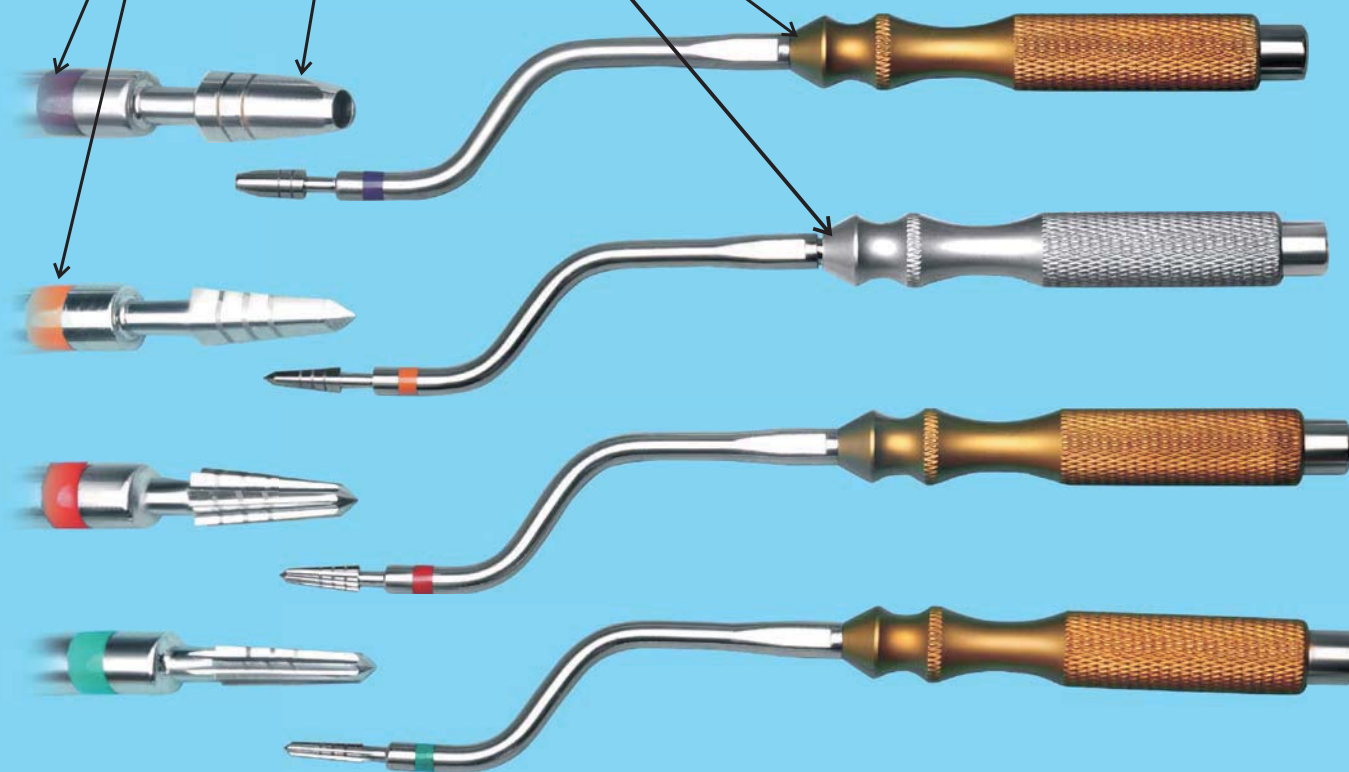
The cost of products includes: cutting edge material grade + cutting edge process grade + product precision requirements = combine final products with different application, effect, grade and cost-performance.



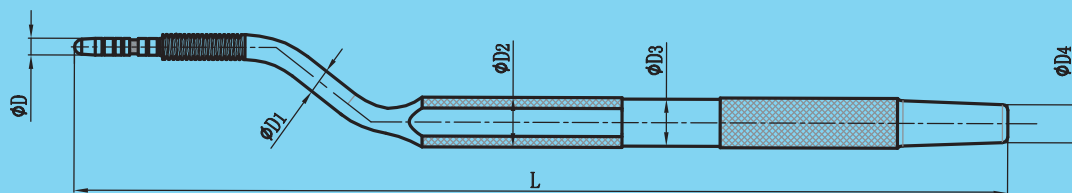
不同顏色之色圈
Different color
ring

不同顏色之塗層
Different color
coating

可以任意刃部結構，
形狀之生產。
It can be produced with any
flute structure and shape.



以下為常規在庫品，也可非標準，依圖依樣定制
Below are regular stock products ,
we can also make non-standard products according
to customers' drawings or samples



部分尺寸 some size

直徑 ΦD Diameter	2.0 (凹頭)	2.5 (凹頭)	3.0 (凹頭)	3.5 (凹頭)	4.0 (凹頭)	2.0 (圓頭)	2.5 (圓頭)	3.0 (圓頭)	3.5 (圓頭)	4.0 (圓頭)
柄徑 ΦD3 Shank Dia.	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
總長 L Overall length	168	168	168	168	168	168	168	168	168	168

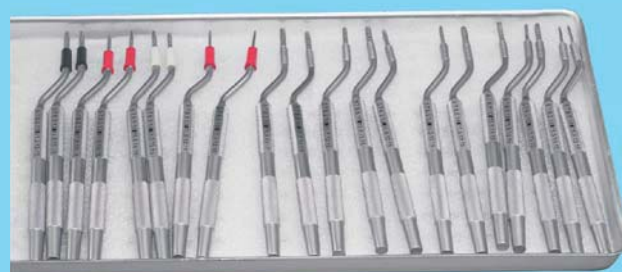
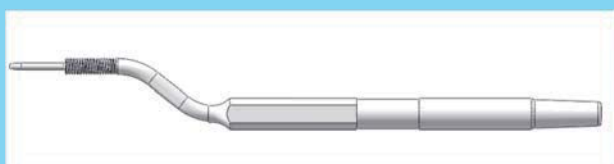


限位套材料：
①可不同顏色
的高耐磨醫
用塑料類
②可不同顏色
的高品級
金屬類



Material of stop collars:

- ① Can be high wear-resistant medical plastic with different color.
- ② Can be high grade metal with different colors.



捨棄式，
可更換。
Disposable,
replaceable.

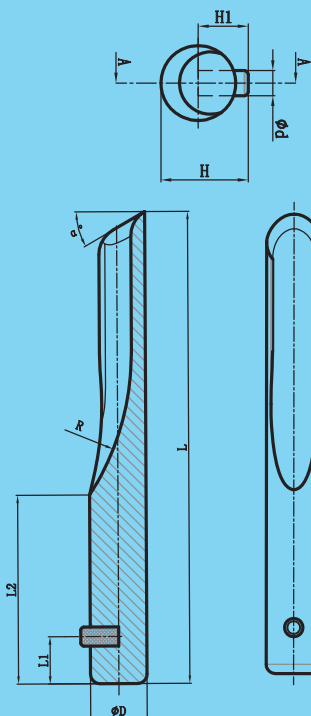
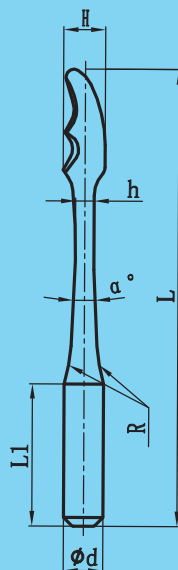
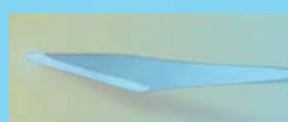
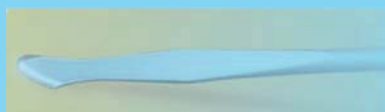
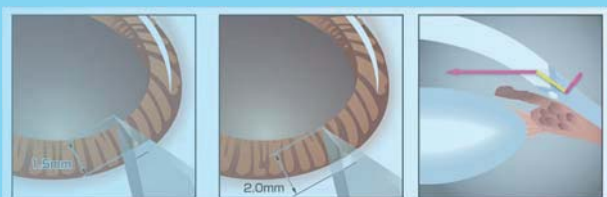
柄部可為以下材料，
並可處理多種顏色，
以區分：

- ① 鋁合金
- ② 鈦合金
- ③ PEEK/PPSU

Shank can be made
with materials as be
low and various colors
to distinguish:

- ① Aluminium alloy
- ② Titanium alloy
- ③ PEEK/PPSU

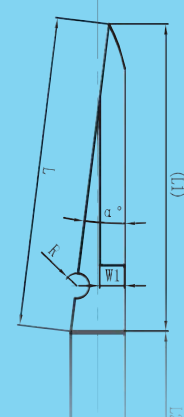
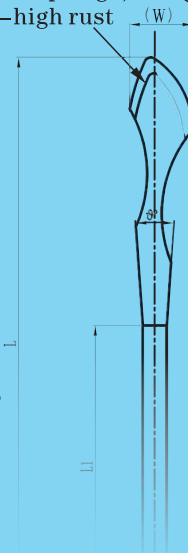
超鏡面研磨
Super mirror
surface grinding



超鋒利刃，超高防銹性
ultra-sharp edge,
ultra-high rust



Φd
(Φ1.0~Φ2.30mm)
系列series



★依圖依樣尺寸公差要求可生產特殊、復合、異型、超大超微細超長組合成型制品。

We can produce special, compound, special-shaped, Super large, Super thin, Super long combined forming products according to the requirements of drawings, samples, and size tolerance.

図面、サンプルまたは寸法公差の要求により特殊、複合、異型、超大超小超長の組合せ型シリーズのフライスディスクを生産できる

醫用工具及配件系列（手術刀/克氏針/精微切刀）

Medical tools and parts series (Surgical knives / Kirschner wires / Subtle cutter)

医療器具及び部品シリーズ(カッター、メス/キルシュナー鋼線/マイクロカッター)

(超鋒利刃口&超高耐磨&超高防銹&高精密度)
(Ultra-sharp edge & ultra-high wear-resistant & ultra-high rust & high precision)
(超銳利刃先&超耐磨耗&超防銹&高精度)

CNC磨削中心,可超精研磨任意形狀,結構,精度公差,的超鋒利成型刃口.超高防銹不銹鋼 (AA) (HRC54° ± 2° 斷面)

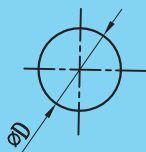
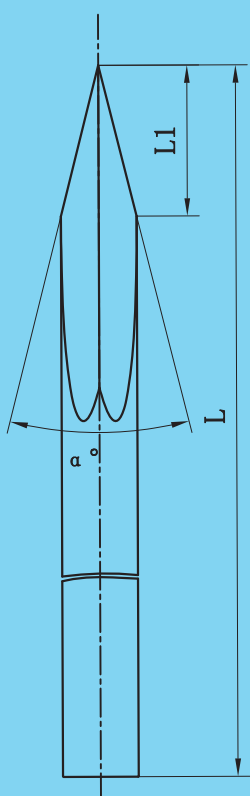
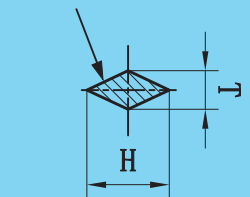
CNC Grinding Center, which can superfinish grind the ultra-sharp profile edge with any shape, structure and precision tolerance, also the ultra-high anti-rust stainless steel (AA) (HRC54° ± 2° Section)

全精研磨,超鋒利刃(非機加工成型的); 可微凹斜面, 刃超鋒利
Full finishing, ultra-sharp edge (not machined);
The bevel can be slightly concave, the edge is super sharp

可微細、成型、特殊形狀、超鋒利刃CBNC、高光潔度硬研磨成型

It can be micro, forming, special-shaped, super sharp-edged CBNC and high finish hard ground to mold

超鋒利全精研磨刃口
Super sharp full-finish grinding edge



Φd
(Φ0.620~Φ2.300mm)
系列series

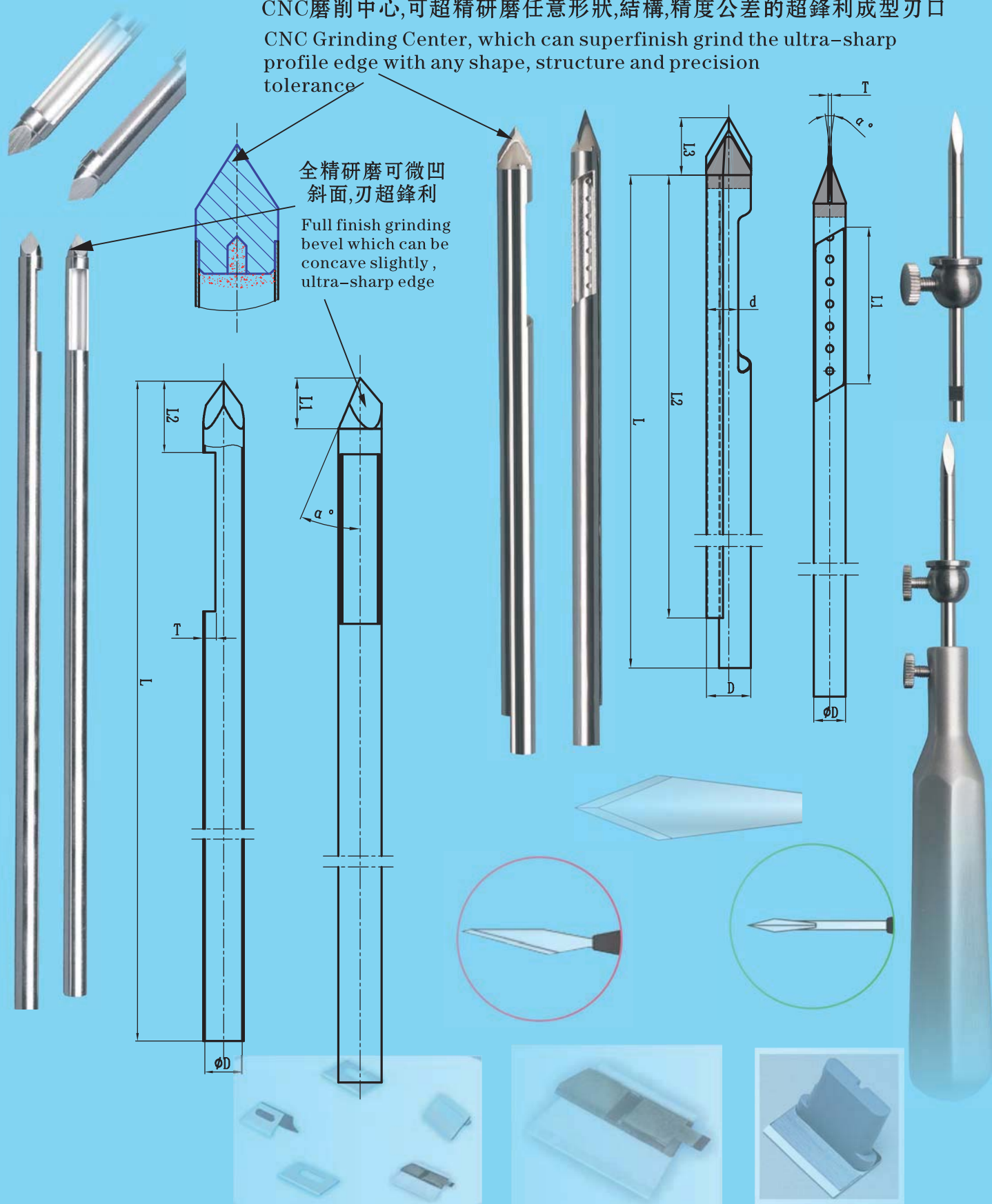
批量可協助開模注塑.
If in batch, we can assist in mold injection

CNC磨削中心,可超精研磨任意形狀,結構,精度公差,的超鋒利成型刃口

CNC Grinding Center, which can superfinish grind the ultra-sharp
profile edge with any shape, structure and precision
tolerance

全精研磨可微凹
斜面,刃超鋒利

Full finish grinding
bevel which can be
concave slightly,
ultra-sharp edge



CNC磨削中心,可超精研磨任意形狀,結構,精度公差的超鋒利
成型刃口.超高防銹不銹鋼 (AA) (HRC54° ± 2° 斷面)

CNC Grinding Center, which can superfinish grind the ultra-sharp profile edge
with any shape, structure and precision tolerance, also the ultra-high anti-rust
stainless steel (AA) (HRC54° ± 2° Section)

精研磨超鋒利刃
(非機加工成型的)
Precision grinding super sharp
(non-machining molding)

精研磨,超鋒利刃(非機加工成型的)
Precision grinding super sharp
(non-machining molding)

全精研磨之平斜面
Flat bevel of full
finish grinding

全精研磨之微
凹斜面,刃超鋒利
Slightly concave bevel
of full finish grinding,
ultra-sharp edge

可微細、成型、特殊形狀、
超鋒利刃CBNC、
高光潔度硬研磨成型

It can be micro, forming,
special-shaped, super
sharp-edged CBNC
and high finish hard
ground to mold

醫用工具及配件系列（手術刀/克氏針/精微切刀）

Medical tools and parts series(Surgical knives /
Kirschner wires / Subtle cutter)

醫療器具及び部品シリーズ(カッター、メス/キルシュナー鋼線/マイクロカッター) (超鋭利刃先&超耐磨耗&超防錆&高精度)

(超鋒利刃口&超高耐磨&超高防銹&高精密度)
(Ultra-sharp edge & ultra-high wear-resistant
& ultra-high rust & high precision)

依圖依樣尺寸公差要求可生產特殊、複合、異型、超大超細超長組合成型的系列刀具。

We can produce special, compound, special-shaped, super-large, super-thin/
super-long combined profile series tooling according to requirements of drawings,
samples and dimension tolerance.

圖面、サンプル、または寸法の公差要求により特殊、複合、異型または超大、超細、
超長の組合せ成型のシリーズカッタを生産できる。



★可超硬、超精研磨、任意的柄部類型、芯厚、容屑槽寬度、刃背方式、鑽尖方式、內冷卻孔方式、刃部結構、刃口角度、刃口鋒利程度之要求，及高可至 $\pm 0.003\text{mm}$ ($3\mu\text{m}$) 的尺寸公差要求 We can produce with super hard and super finish grinding and satisfy your requirement of any type of shank, web thickness, width of chip flute, land, drill tip, inner cooling hole, structure of cutting edge, angle of cutting edge, degree of sharpness of cutting edge, and the dimension tolerance can be up to $\pm 0.003\text{mm}$ ($3\mu\text{m}$)

醫用工具及配件系列（手術刀/克氏針/精微切刀）

Medical tools and parts series(Surgical knives /
Kirschner wires / Subtle cutter)

医療器具及び部品シリーズ(カッター、メス/キルシュナー鋼線/マイクロカッター) (超鋭利刃口&超高耐磨&超高防銹&高精密度)

(Ultra-sharp edge & ultra-high wear-resistant
& ultra-high rust & high precision)

依圖依樣尺寸公差要求可生產特殊、複合、異型、超大超細超長組合成型的系列刀具。

We can produce special, compound, special-shaped, super-large, super-thin/
super-long combined profile series tooling according to requirements of drawings,
samples and dimension tolerance.

図面、サンプル、または寸法の公差要求により特殊、複合、異型または超大、超細、
超長の組合せ成型のシリーズカットを生産できる。

可加工任意的槽型及
深度、精度要求

We can process with
any groove type and
any depth, accuracy
requirement

★可超硬、超精研磨。任意的柄部類型。芯厚。容屑槽寬度。刃背方式。鑽尖方式。內冷卻孔方式。刃部結構。刃口角度。刃口鋒利程度之要求。及高可至 $\pm 0.003\text{mm}$ ($3\mu\text{m}$) 的尺寸公差要求 We can produce with super hard and super finish grinding and satisfy your requirement of any type of shank, web thickness, width of chip flute, land, drill tip, inner cooling hole, structure of cutting edge, angle of cutting edge, degree of sharpness of cutting edge, and the dimension tolerance can be up to $\pm 0.003\text{mm}$ ($3\mu\text{m}$)

醫用工具及配件系列（手術刀/克氏針/精微切刀）

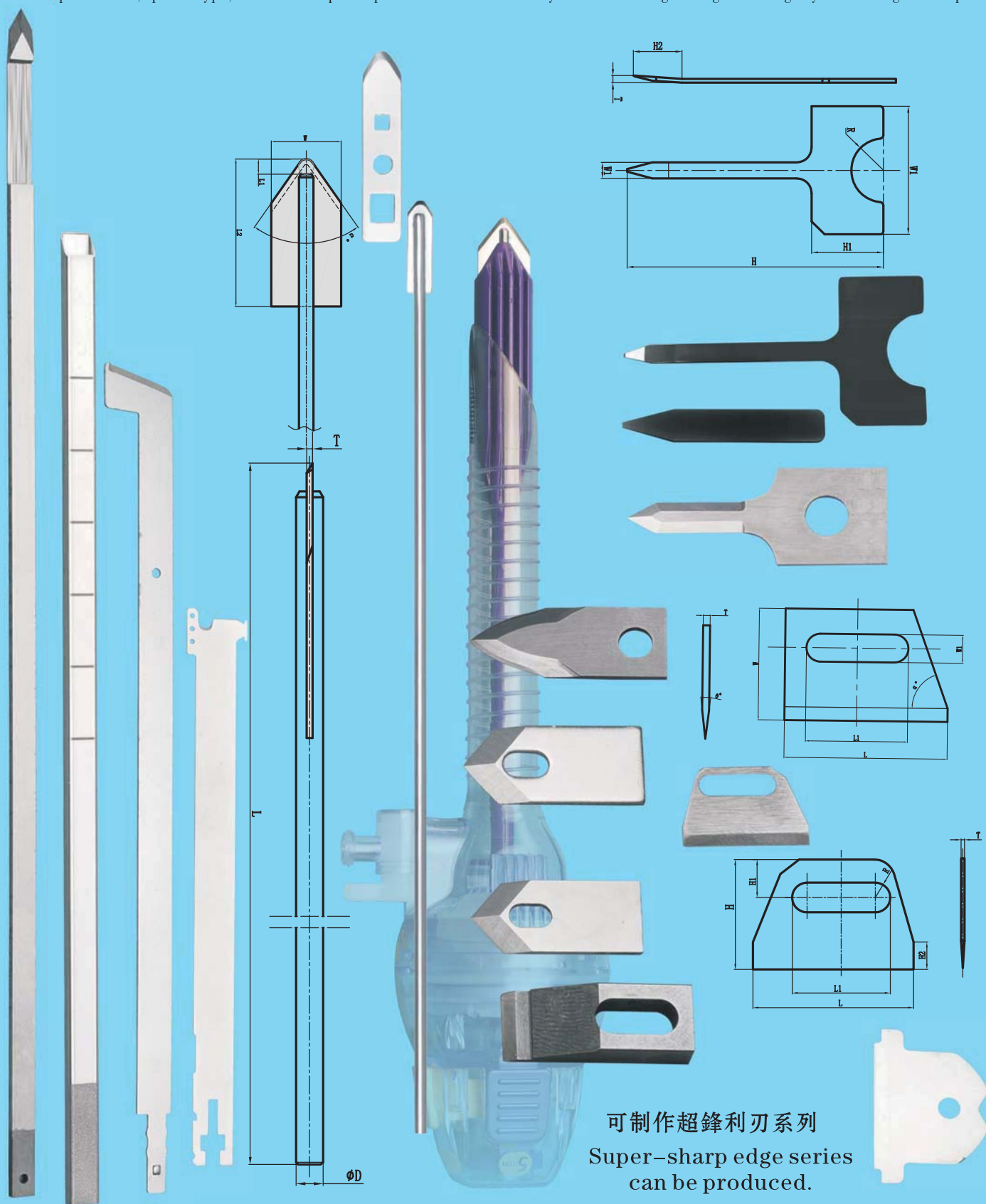
Medical tools and parts series(Surgical knives /
Kirschner wires / Subtle cutter)

医療器具及び部品シリーズ(カッター、メス/キルシュナー鋼線/マイクロカッター)

(超鋒利刃口&超高耐磨&超高防銹&高精密度)
(Ultra-sharp edge & ultra-high wear-resistant
& ultra-high rust & high precision)

(超銳利刃先&超耐磨耗&超防銹&高精度)

可以依圖依樣鏡面研磨加工任意材種，形狀、特殊、異型、精度公差之產品。We can make tools with any material, any shape,
special kind, special type, abnormal shape and precision and tolerance by mirror surface grinding according to your drawings or samples



可制作超鋒利刃系列
Super-sharp edge series
can be produced.

醫用工具及配件系列（手術刀/克氏針/精微切刀）

Medical tools and parts series(Surgical knives / Kirschner wires / Subtle cutter)

医療器具及び部品シリーズ(カッター、メス/キルシュナー鋼線/マイクロカッター)

(超鋒利刃口&超高耐磨&超高防銹&高精密度)
(Ultra-sharp edge & ultra-high wear-resistant
& ultra-high rust & high precision)
(超銳利刃先&超耐磨耗&超防銹&高精度)

不銹鋼,也可整體式極超微粒鑽石鎢鋼之結構
Stainless steel. It can also be solid ultra-fine
particle diamond tungsten steel structure

極超微粒鑽
石鎢鋼、
超鋒利刃

Ultra micro-grain diamond
carbide, ultra sharp edge

可制作超鋒利刃系列
Super-sharp edge series
can be produced.



可以依圖依樣鏡面研磨加工任意材種，形狀、特殊、異型、精度公差之產品。We can make tools with any material, any shape, special kind, special type, abnormal shape and precision and tolerance by mirror surface grinding according to your drawings or samples

可以生產任意尺寸形狀
 We can produce any size with any shape for these products.



捨棄式成型
 刀具
 Disposable
 profile cutting tool.

刃口CNC成型精研磨，超鋒利，超高的使用壽命使用壽命是不銹鋼產品的100倍以上。
 The cutting edge is processed by CNC machine with profile finishing grinding, super sharpness and long lifetime. And the lifetime of these products is 100 times more than that of stainless steel products

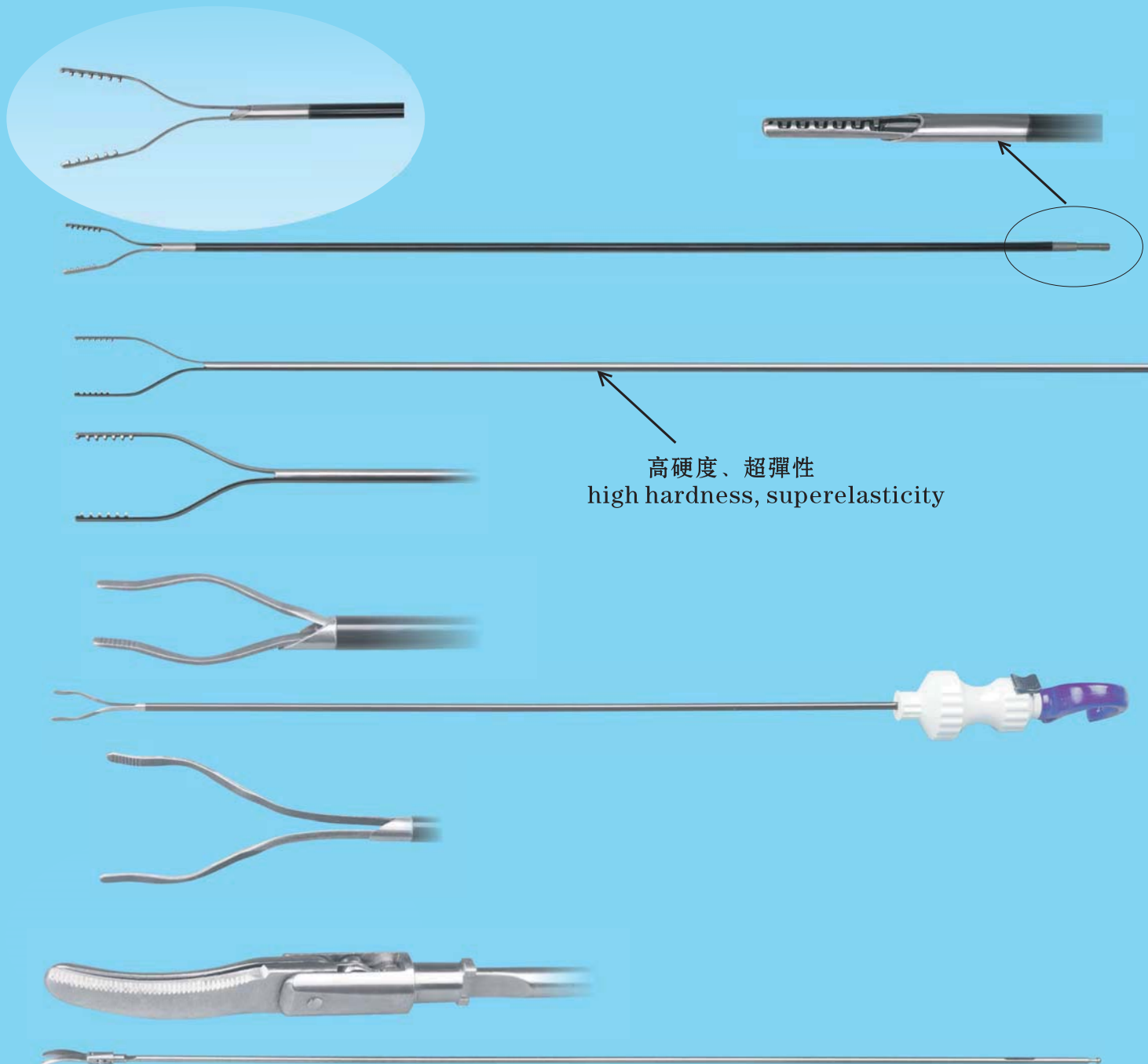


進口極超微粒鑽石鎢鋼
 Imported ultra micro-grain
 quality carbide

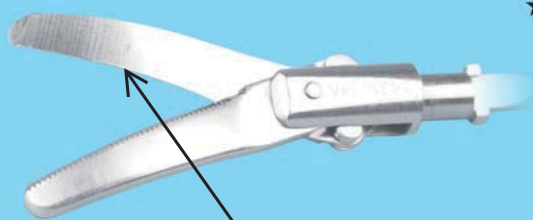
鏡面不銹鋼
 Mirror-surface
 stainless steel

進口高檔硅膠，手感
 極佳 Imported high-
 quality silicone rubber,
 excellent handfeel

把手最佳人體手握藝術形狀設計 The shape of handle is well designed based on the best hand holding way for human.



高硬度、超彈性
high hardness, superelasticity



可制作超鋒利刃系列
Super-sharp edge series
can be produced.

★、依圖依樣尺寸公差要求可生產特殊、復合、異型、超大超細 超長組合成型的系列產品。

We can produce products of special, compound, special-shaped, super-large, super-thin/super-long combined profile series according to requirements of drawings, samples and dimension tolerance.

図面、サンプル、または寸法の公差要求により特殊、複合、異型または超大、超細、超長の組合せ成型のシリーズ製品を生産できる。

依圖依樣尺寸公差要求可生產特殊、複合、異型、超大超細超長組合成型的系列刀具。
 We can produce special, compound, special-shaped, super-large, super- thin/
 super-long combined profile series tooling according to requirements of drawings,
 samples and dimension tolerance.

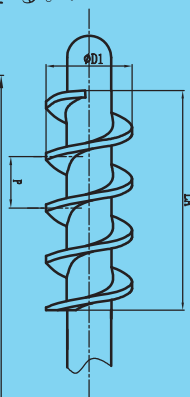
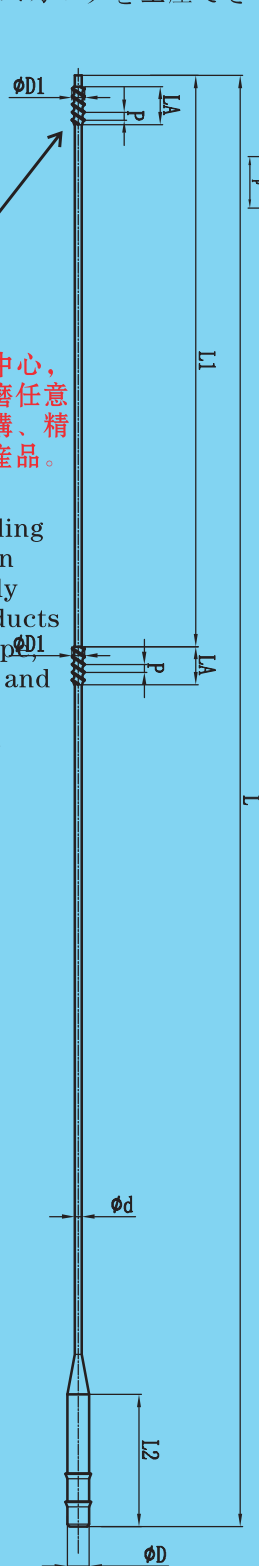
図面、サンプル、または寸法の公差要求により特殊、複合、異型または超大、超細、
 超長の組合せ成型のシリーズカッタを生産できる。



微細、超長、超精研磨
 Superfine & Superlong &
 Superfinishing Grinding

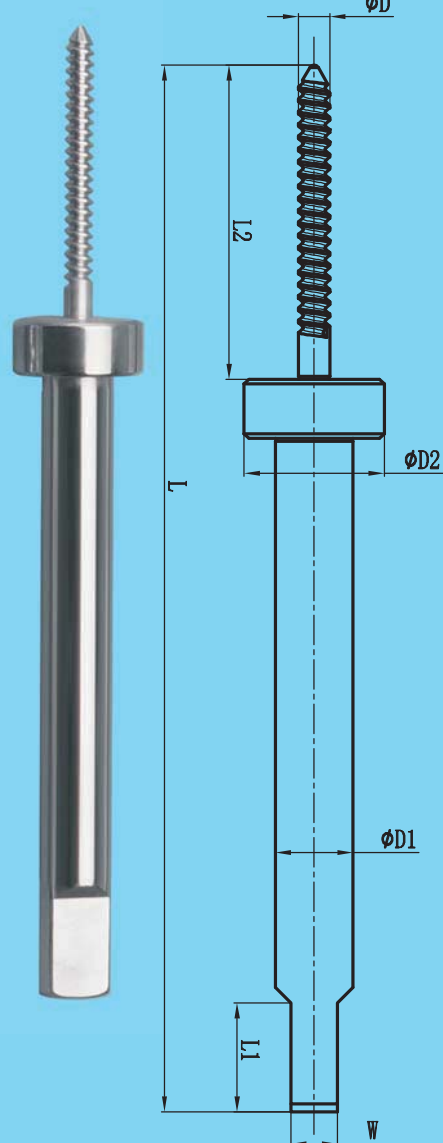
CNC磨削中心，
 可超精研磨任意
 形狀、結構、精
 度公差的产品。

CNC grinding
 center, can
 superfinely
 grind products
 of any shape,
 structure and
 precision
 tolerance.



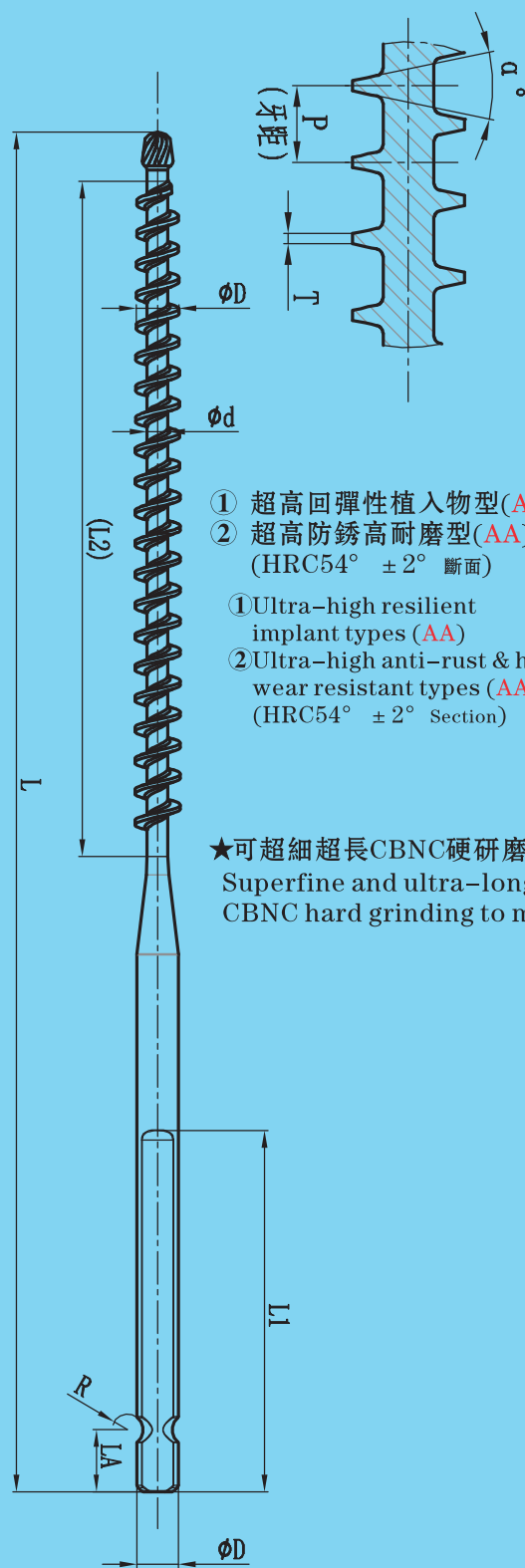
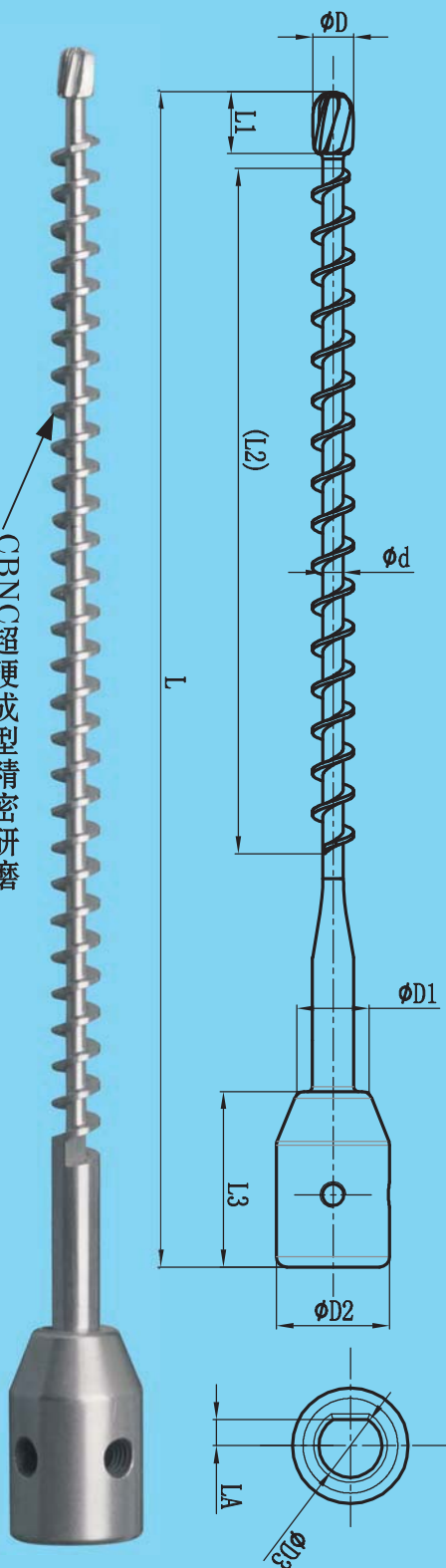
- ① 超高回彈性植入物型(AA)
- ② 超高防銹高耐磨型(AA)
 (HRC54° ± 2° 斷面)
- ① Ultra-high resilient
 implant types (AA)
- ② Ultra-high anti-rust & high
 wear resistant types (AA)
 (HRC54° ± 2° Section)

★可超細超長CBNC硬研磨成型
 Superfine and ultra-long
 CBNC hard grinding to mold



- ★、任意形狀、尺寸公差的热處理後的超硬、超精研磨（可帶内冷却孔）
- ★ Ultra-hard & super-finishing grinding after heat treatment for any shape & tolerance (It can be with inner cooling hole)

CBNC superhard forming precision grinding
超硬成型精密研磨



- ① 超高回彈性植入物型(AA)
- ② 超高防銹高耐磨型(AA)
(HRC54° ± 2° 斷面)

- ① Ultra-high resilient implant types (AA)
- ② Ultra-high anti-rust & high wear resistant types (AA)
(HRC54° ± 2° Section)

★可超細超長CBNC硬研磨成型
Superfine and ultra-long
CBNC hard grinding to mold