

Hand Meister



Hand Meister Series

Ultra-slim Diamond File MICRO FINISH

Round file with sharp ends

Square file with useful edges



Utility model granted



A variety of shapes and grits

Diamond File

Diamond Hand Stone Multi Finish



Tool Finish

Versatile for all materials



Vitrified diamond

For sharpening cutting tool edges



Resin bond diamond

Cera Finish

For various ceramics



Resin bond diamond

Giga Hard Lapper

Long tool life hand lapper



Sintered diamond

MICRO FINISH

It is Revolutionary!



Ultra-slim Diamond File

Square file

with useful edges

Even the top is angled

Many corners to use

□ 0.5
(0.4mm x 0.5mm)

□ 0.7
(0.5mm x 0.6mm)

All round types and the square types are all. **Reversible**

φ 0.4, φ 0.5, φ 0.7
#400
Newly released

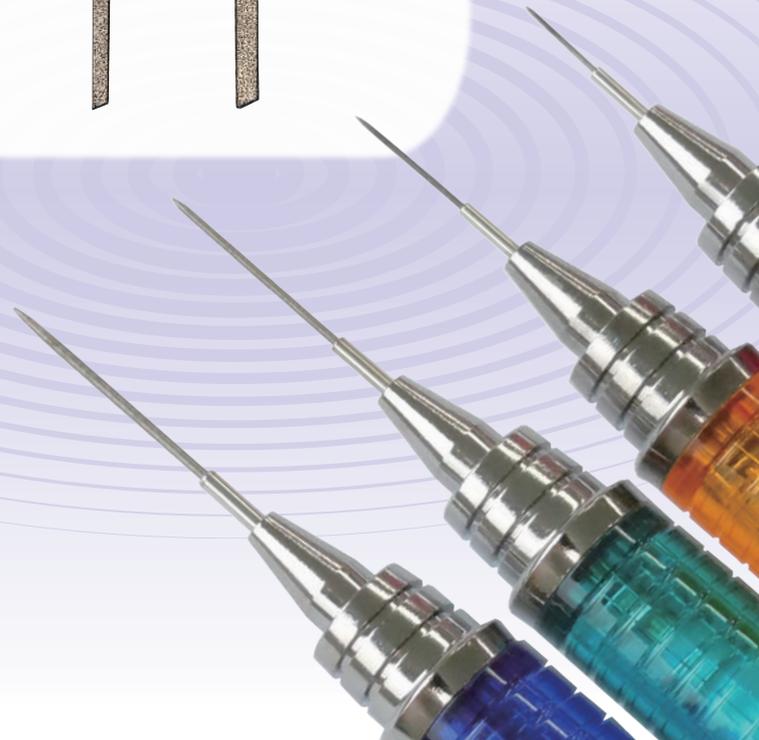


Round file

with sharp ends

Usable for narrower areas

- φ 0.3mm
- φ 0.4mm
- φ 0.5mm
- φ 0.7mm



Ultra Slim Diamond File

and Meister
micro finish

Micro Finish

**micro
finish**

Purposes of use

- Fine-tuning of molds
- Removal of micro burrs in narrow spots of precision components
- Repair of intricately shaped parts
- Areas hard to access with conventional tools
- Sharpening of small-diameter drill edges
- Small and narrow parts inside watches or clocks, etc.
- Removal of electrolytic layers after EDM

**Round file
with pointed edges**

Features

- Reversible with diamond on both ends.
- It is extremely slim
- Perfect to work on small and narrow areas such as the interior of small diameter parts, intricately shaped areas
- Lineup consists of four sizes; $\phi 0.3$, 0.4 , 0.5 , 0.7

Size and grit size

Type	Size	Grit size	Holder color
Electrodeposition $\phi 0.3\text{mm}$ L = 50mm	Reversible $\phi 0.3\text{mm}$ 50mm Electrodeposition area=21mm Electrodeposition area=21mm	#600	 Light blue
Electrodeposition $\phi 0.4\text{mm}$ L = 50mm	Reversible $\phi 0.4\text{mm}$ 50mm Electrodeposition area=21mm Electrodeposition area=21mm	NEW #400 #600 #800	 Pink, White Yellow White
Electrodeposition $\phi 0.5\text{mm}$ L = 50mm	Reversible $\phi 0.5\text{mm}$ 50mm Electrodeposition area=21mm Electrodeposition area=21mm	NEW #400 #600 #800	 Light blue, White Green Red
Electrodeposition $\phi 0.7\text{mm}$ L = 50mm	Reversible $\phi 0.7\text{mm}$ 50mm Electrodeposition area=21mm Electrodeposition area=21mm	NEW #400 #600 #800	 Black, Black Blue Black

Examples of use



Precautions

- Please check the size list and use it within the extent of the electrodeposition area.
- Please make sure to store it all the way to the tip inside the mechanical pencil when not in use.
- Please don't touch the ends because Micro Finish is extremely slim.
- Please set only one file per mechanical pencil. It may be clogged if more than one is installed.
- It's not suitable for writing.



One file per mechanical pencil! You can't write with it.



It would not break easily.

It won't break when properly used.

A commercially available mechanical pencil can be used as a holder!

Square file with useful edges

Features

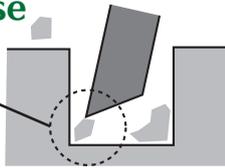
Reversible with diamond on both ends.
Both ends are tapered and you may use it for pinpoint work in narrow areas.
Numerous edges make it possible to work in corners.
The square column shape allows you to use its flat parts and improves work efficiency.

Size and grit size

Type	Size	Grit size	Holder color
Electrodeposition 0.5 (0.4mmx0.5mm) L = 60mm	Reversible L=60mm Electrodeposition area=27mm Electrodeposition area=27mm 20° 20° 0.4mm 0.5mm	#600 #800	Yellowish green Brown
Electrodeposition 0.7 (0.5mmx0.6mm) L = 60mm	Reversible L=60mm Electrodeposition area=27mm Electrodeposition area=27mm 20° 20° 0.5mm 0.6mm	#600 #800	Purple Pink

Examples of use

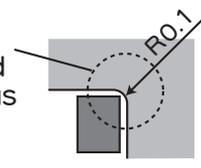
Remove extra bits in narrow grooves with the angled end



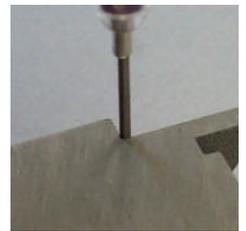
Remove machining dust



The edges of file can be used to make a radius corner sharp



Radius after wire cutting



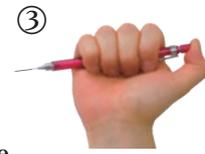
How to use



① Insert it in a mechanical pencil from the top with the side to be used facing downward.



② Hold the mechanical pencil about 10 mm above a desk and allow the file to come out, and then push it back into the mechanical pencil.



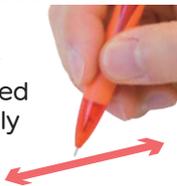
③ Then, hold the mechanical pencil horizontally and adjust the length by clicking the mechanical pencil.

Sintered diamond file, size and grit size

Type	Size	Holder Color
Sintered diamond 0.5 (0.4mmx0.4mm) L = 20mm	L=20mm Protrusion limit = 1 mm 0.4mm 0.4mm	Orange

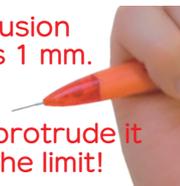
How to use PCD

Back and forth movement only because sintered diamond is easily breakable!



Protrusion limit is 1 mm.

Don't protrude it over the limit!



Don't put too much force.



Don't use the sides!

Lineups

Basic set 10 files per set

A basic set consists of 10 files of the same shape, size and grit. Different shapes and grits cannot be combined.

※ Shown in the photo is ø0.5 mm, #600
The case is separable.
Please use the colored stickers for size reference.



Starter set

- 3 files of any one size of 0.3 mm, 0.4 mm, 0.5 mm, and 0.7 mm.
- Grit size: Any of #400, #600, or #800. (0.3 mm is only available for #600)
- The sintered diamond file is only available as a starter set which includes one file.

■ Square file and round file



※ 1 Micro Finish is included in the pencil

■ Sintered diamond file



※ 1 sintered diamond file is included in the pencil

Diamond Hand Stone

Original grip that gives perfect fit for your hands

Versatile for all materials

Multi Finish

Vitrified diamond

For various ceramics

Cera Finish

Resin bond diamond

For sharpening cutting tool edges

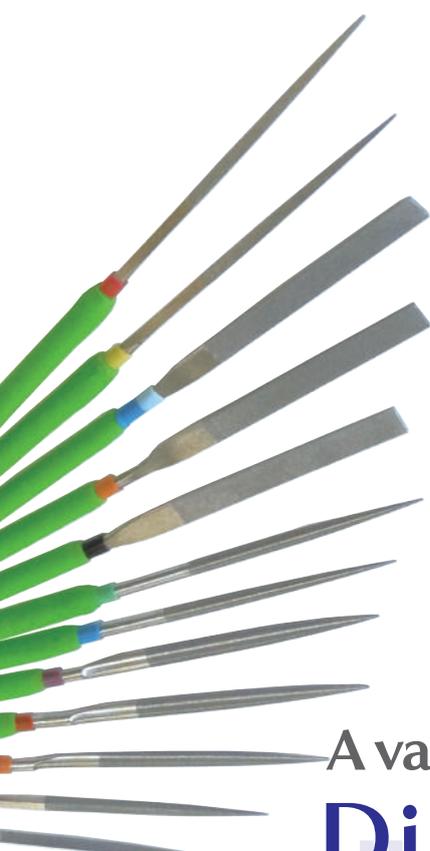
Tool Finish

Resin bond diamond

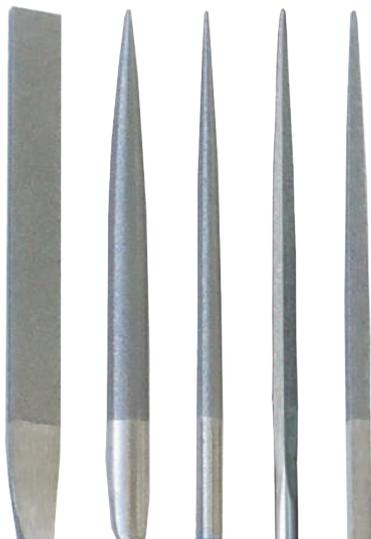
Long tool life hand lapper

Giga Hard Lapper

Sintered diamond



Flat Half round Round Triangle Square



10W

5W

3W



A variety of shapes and grits

Diamond File

- Easy to grip, non-slip handle
- Colors for easy identification
- A variety of grits for all purposes

Diamond file

Special hand tools Made in Japan

Hand Meister

diamond handstone

Diamond Hand Stone

Multi Finish

Vitrified diamond

Resin bond diamond

Cera Finish

Resin bond diamond

Tool Finish

3 sizes available



※Shown in the photo is Multi Finish

Multi Finish

Hard to deform, Long lasting



Because of the characteristics of vitrified diamond (e.g. strength of grit holding capacity), it holds its shape well and is a long lasting bond. It can be used for multiple purposes, including chamfering, deburring and finishing. It's a must-have product for your workshop.

Mainly used for: Hard metal, non-ferrous metal, hardened steel, glass, PCD, reinforced plastic, carbon, hard rubber, etc.
Purposes: Deburring, finishing, smoothing, chamfering, and finish processing for corners and details of metal molds

Cera Finish

Clog resistant, Chip resistant



- Hard to clog!
- Suitable for edge chamfering to avoid stress concentration that may cause cracking)

Mainly used for: Alumina, zirconia, silicon nitride, silicon carbide, etc.

Purposes: Chamfering, microfabrication of the outer or inner perimeter and uneven areas of workpieces

Tool Finish

Remove as much as you want, Remove exactly what you target

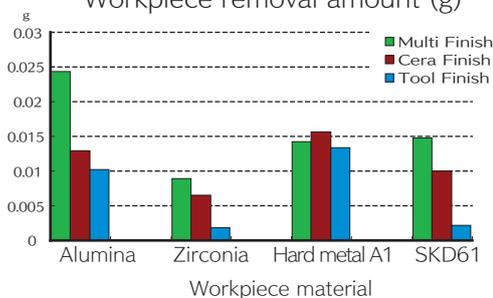


The bond is soft and grabs the material well, and is designed so that your fingers can feel the material you are working on. It can be effectively used for chipping prevention, deburring, and precise measuring for honing.

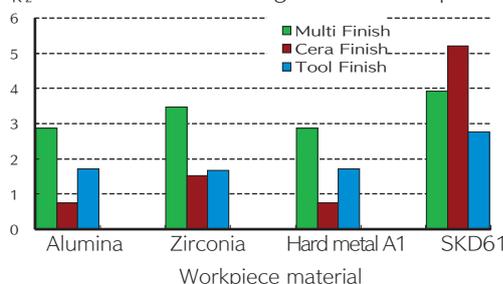
Mainly used for: Hard metal, high speed steel, etc.

Purposes: End milling, honing for drills, etc., nose radius processing, and sharpening cutting tool edges

Workpiece removal amount (g)



Finished surface roughness of workpieces (Rz)



Grinding conditions

Grinding stone size: 10W x 3X x 40L

Grit: #600

Load: 1 kg

Stroke: 31 mm

Frequency: 34 times/min

Duration: Hard metal A1, Alumina 10 min.

Zirconia, SKD61 20 min.

Grinding lubricant: Water

Hand Meister Series

Hand Meister

giga hard lapper

Giga Hard Lapper

giga hard lapper

Sintered diamond

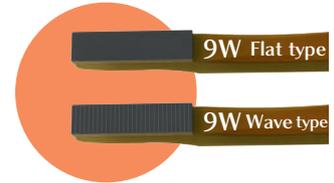


Giga Hard Lapper

Most suitable for preventing chipping, Super long lasting because it is sintered diamond

Mainly used for: Hard metal, ceramic, soft steel, etc.

Purposes: Chipping prevention, light chamfering, and deburring



Hand Meister

diamond yasuri

Diamond File

The bright green handles are made from a rubber material which minimalizes workload while you work. Color rings make it easy to identify the grits.

We have a unique lineup of grits to meet your needs for use on various materials, purposes, and processes.

Mainly used for: Hard metal, nonferrous metal, hardened steel, glass, reinforced plastic, carbon, hard rubber, etc.



Shapes



diamond yasuri

Repeated examinations were conducted to get improvement of corners. We made even surface of the coating in order to improve the holding power of the diamond. As a result, it is very long lasting shape edges thanks to our unique diamond coating technology!

Color rings for easy identification

Grit size	#80	#100	#120	#140	#170	#200	#230	#270	#400	#600	#800	#1000
Color	Light blue Blue	Purple	Blue	Yellow	White	Orange	Brown	Green	Red	Light blue	Black	Orange Red

Smooth grinding High cutting performance

With the angular and high fractural abrasive we use, it grabs well and the cutting edge is constantly renewed, so it retains good and sharp cut.

Easy grip material Easily identifiable handle

A rubber material adopted that realize less straining even after long hours of work. The non-slip handle makes your work easier. Furthermore, the color rings by each grit size make it easy to identify.

12 different grit sizes 21 variations

Wide variations enable efficient work performance.

At a magnification of 60(x)



Micro Finish



Shape		Square file					Round file									
Size		□0.5(0.4x0.5)	□0.7(0.5x0.6)	□0.5	φ0.3	φ0.4				φ0.5			φ0.7			
Grit size		# 600	# 800	# 600	# 800	-	# 600	# 400	# 600	# 800	# 400	# 600	# 800	# 400	# 600	# 800
Product number	Set of 10 files	S5-600 Yellowish green	S5-800 Brown	S7-600 Purple	S7-800 Pink	※1	R3-600 Light blue	R4-400 Pink, White	R4-600 Yellow	R4-800 White	R5-400 Light blue White	R5-600 Green	R5-800 Red	R7-400 Black, Black	R7-600 Blue	R7-800 Black
	Set of 3 files	S5-600S Yellowish green	S5-800S Brown	S7-600S Purple	S7-800S Pink	PC5 S Orange	R3-600S Light blue	R4-400S Pink, White	R4-600S Yellow	R4-800S White	R5-400S Light blue White	R5-600S Green	R5-800S Red	R7-400S Black, Black	R7-600S Blue	R7-800S Black
Color																

Diamond Hand Stone

※● is in stock, ○ is coming soon.

Product number Shape	Product number			Multi Finish MF	Cera Finish CF	Tool Finish TF	Giga hard lapper GH
	3x10x40L 3mm Diamond layer 10mm	3x5x40L 3mm Diamond layer 5mm	5x3x40L 5mm Diamond layer 3mm				
# 100	100-10	100-5	100-3	○	○	○	 ※9mm width, flat 9mm width, wave
# 200	200-10	200-5	200-3	○	○	○	
# 400	400-10	400-5	400-3	●	●	○	
# 600	600-10	600-5	600-3	○	○	○	
# 800	800-10	800-5	800-3	○	○	○	
# 1000	1000-10	1000-5	1000-3	○	○	●	
# 1200	1200-10	1200-5	1200-3	○	○	○	
# 1500	1500-10	1500-5	1500-3	○	○	○	
# 2000	2000-10	2000-5	2000-3	○	○	○	

Diamond files



※● is in stock, ○ is coming soon.

Grit size/ Color	# 80 Light blue Blue	# 100 Purple	# 120 Blue	# 140 Yellow	# 170 White	# 200 Orange	# 230 Brown	# 270 Green	# 400 Red	# 600 Light blue	# 800 Black	# 1000 Orange Red
S5 Flat	○	○	○	○	○	○	○	○	○	○	○	○
S5 Half round	○	○	●	○	○	○	○	○	○	○	○	○
S5 Round	○	○	○	○	○	○	○	○	○	○	○	○
S5 Square	○	○	○	○	○	○	○	○	○	○	○	○
S5 Triangle	○	○	○	○	○	○	○	○	○	○	○	○
S8 Flat	○	○	○	○	○	○	○	○	○	○	○	○
S8 Half round	○	○	●	○	○	○	○	○	○	○	○	○
S8 Round	○	○	○	○	○	○	○	○	○	○	○	○
S8 Square	○	○	○	○	○	○	○	○	○	○	○	○
S8 Triangle	○	○	○	○	○	○	○	○	○	○	○	○
S10 Flat	○	○	○	○	○	○	○	○	○	○	○	○
S10 Half round	○	○	○	○	○	○	○	○	○	○	○	○
S10 Round	○	○	○	○	○	○	○	○	●	●	○	○
S10 Square	○	○	○	○	○	○	○	○	●	●	○	○
S10 Triangle	○	○	○	○	○	○	○	○	●	●	○	○
S12 Flat	○	○	○	○	○	○	○	○	○	○	○	○
S12 Half round	○	○	○	○	○	○	○	○	○	○	○	○
S12 Round	○	○	○	○	○	○	○	○	●	●	○	○
S12 Square	○	○	○	○	○	○	○	○	●	●	○	○
S12 Triangle	○	○	○	○	○	○	○	○	●	●	○	○
T5 Flat	○	○	●	○	○	○	○	○	○	○	○	○

Manufacturer

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