

NEWS LETTER

ALFA MIRAGE Co., Ltd.

Abrasives, Buff & Points



Polishing Compound & Polishing Process

Polishing is very important part of jewelry making.

Achieving a great finish can elevate the finishing of jewelry with right polishing process. In this newsletter, I would like to introduce about Polishing process with right Abrasives, Buff & Points.

Treatment before Polishing & Buffing

Most important part of polishing is to prepare surface well.

Taking extra time can help you save valuable time at the polishing stage.



Filing

Files are used to shape and finish your pieces, removing excess metal and solder to tidy up your design. Large scratches should be removed with a file, and porosities (small holes made during casting) should be filled.

Sanding

The next stage for ensuring your jewelry is to ensure you don't forget to sand your piece. The secret to a really high shine is all in the pre-polish. The more time and effort you put into this stage the better the results will be.

Buffing & Polishing Process

STEP 01 First Polishing

In this first stage of polishing, professionals use a rough abrasive to smooth away any scratches in the metal. This type of buffing smooths by cutting away the excess metal. It will remove small scratches left after sanding and smooth's the surfaces. However it will not produce a bright polish.

STEP 02 Medium Polishing

In this stage, intermediate compounds continue to cut and smooth the metal material. This type of polishing produces more shine than the first.

STEP 03 Final Polishing (Mirror finish)

This step is to get a smooth, bright, high luster final finish. There are many different polishing and buffing compounds. Some people separate them into additional categories with 3 or 4 different levels of polishing and buffing.

Tips & Precautions

The first thing that comes to mind in the polishing process may be "be careful not to burn yourself. It is also important to polish the product at the right angle so that it does not get blown away. Needless to say, it is important to keep in mind basic safety work such as not getting your hair caught in the buffing motor and wear safe glasses. Also, if the surface does not shine well, go back to the previous step. Remaining small scratches will not be cleaned up at the final buffing process.

It is human nature to think that the next process will cover up previous polishing process, but "laziness" is the enemy of polishing. If you are sincere in your approach to the technique, the precious metal will surely shine. This may be one of the good points of "polishing.

What is the best polishing compound?

It is very difficult to choose best one because the compounds are used for different reasons by different people depending on the buffing and polishing you are doing. Please try various types of polishing compound and find best polishing compound for you.

Recommended Items for Final Polishing



POLISHING COMPOUND MIDORI SERIES

Specially designed for mirror finish luster of Platinum, Gold and Silver. It gives beautiful high shine luster with its very fine grains. Another advantage is that you can finish buffing surface of metal clean without heavy stained black spot caused by buff heat so that you can just go on ultrasonic cleaning to finish.

*Tips (Please try with self-responsibility)

Little amount of this dry and fine abrasive could be used for polishing pearl or after rhodium plated to finish surface smooth.

Item Code	501-040	501-046
Model	Midori	Blue
Weight		150 g
Application	Final / Lustering / Mirror finish	



Polished with other compound



Polished with Midori / Blue



What is the difference between Midori & Blue?

Basically, the same particles of abrasives are used for both Midori & Blue. Therefore, the performance of polishing will be almost same. The differences are **the color** and **the oil** used. These bring different taste of finishing, surface. It's difficult to say the taste though, some prefer to Midori with shinny high luster and others prefer to Blue with blueish high luster. We recommend the Midori for the new user as universal high luster polishing compound.

Tip of using Midori, Blue polishing compound

Please use them with the soft buff. Our polishing compounds contains much less oil than other brands. So, **DO NOT** put your buffing with too much compound. Just small amount of compounds on buff works fine to get a better result. Very dry compound brings high shine luster and best finish with clean surface.



POLISHING COMPOUND D-24 / D-36

Excellent medium dry compounds for silver, white gold and any white metals. D series have a composition with a very light cutting and high luster finish. D-36 works for stainless, titanium, and also plastic.

Item Code	501-011	501-012
Model	D-24	D-36
Weight	460 g	480 g
Application	Lustering	Lustering

Made in Japan



POLISHING COMPOUND KOYO

High quality polishing compound helps productivity and good finish.

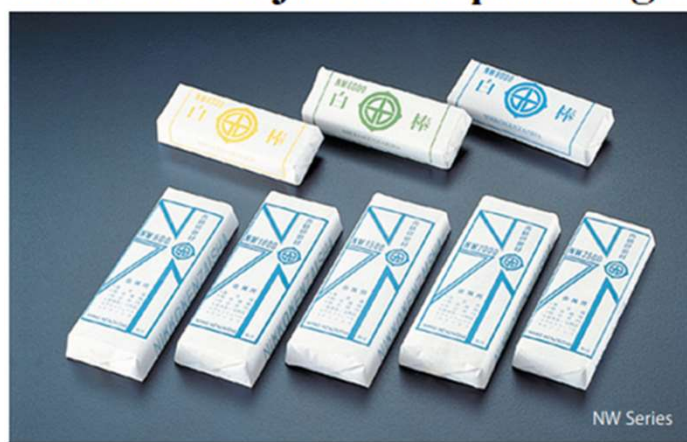
ALOX-5: For final finish, to achieve a distinctive luster.

Green Rouge K-1: General purpose for preliminary finishing applications.

Item Code	501-002	501-003
Model	KOYO ALOX-5	KOYO Green Rouge K-1
Weight	320 g	480 g
Application	Final	Luster

Made in Japan

NW-Series adjust to all polishing stages from first to final(#800 - # 8000)



POLISHING COMPOUND NW SERIES

The finest compounds for polishing ultra bright finishing for platinum. NW Series are manufactured under strict quality control.

*Polishing must be done in steps in order to achieve best results.

Item Code	501-015	501-016	501-017	501-018	501-019	501-020	501-021	501-022
Model	#800	#1000	#1500	#2000	#2500	#4000	#6000	#8000
Weight	400 g	400 g	400 g	400 g	300 g	230 g	230 g	230 g
Application	First		Medium			Fine	Final	Super Shine

Made in Japan

HIGH-QUALITY JAPANESE BUFF



High-quality Japanese buff made of high-end materials.
There are two types depending on the polishing process.

Stitched

Stiffer than unstitched buff



Unstitched

Standard buff



Stitched Buff

The more rows of stitching, the stiffer the buff will be.



Stitched Buff is typically for use with a cutting compound at the **rough polish stage**.

Unstitched Buff

It has 1 row or no stitching near the center.

Unstitched Buff is often used for **medium or final polishing** and give a smooth polishing surface.

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CHAMOIS BUFF					CHAMOIS COMBINATION BUFF				
									
<p>Chamois is soft, pliant leather which provides beautiful mirror finish. Excellent for silver, WG, PT.</p>					<p>Combination of high-grade chamois leather and soft flannel cloth. Excellent for PT and silver.</p>				
Item Code	Type	Diameter (mm)	Hole Size (mm)	Ply	Item Code	Type	Diameter (mm)	Hole Size (mm)	Ply
307-031	Unstitched	φ 150	φ 15	25	307-035	Unstitched	φ 150	φ 15	25
307-032	Unstitched	φ 125	φ 12.7	25	307-036	Unstitched	φ 125	φ 12.7	25
307-033	Unstitched	φ 100	φ 12.7	25	307-037	Unstitched	φ 100	φ 12.7	25
307-034	Unstitched	φ 80	φ 3	25	307-038	Unstitched	φ 80	φ 3	25

MINI BUFF

**High-quality Japanese buff made of high-end materials.
Designed for polishing small and difficult to reach areas.**

Easy & Convenient

Mini buff can be polished by attaching it to a mandrel or handpiece such as a grinder, which is easy and convenient and can be done without a large buffing motor.



Unstitched
Standard buff



Stitched
Stiffer than unstitched buff

For use with mandrels.



Let me give you some examples,

For silver

Medium finish with pink or green → Final finish with blue or chamois

For gold and platinum

Up to medium finish with pink or green → final finish with blue or calico

The process required will vary depending on the level of finish. So, please try different methods and find the best one for you! For reference, green and blue are the most popular in Japan.

MINI GREEN BUFF			
			
Medium			
Most popular standard buff. Excellent medium finish for gold, silver, and PT.			
Item Code	Type	Diameter	Contents
307-039	Unstiched	φ 20 mm	12 pcs
307-040	Stiched	φ 20 mm	12 pcs









MINI PINK BUFF			
			
Medium			
Stiffer than green buff. Excellent medium finish for PT, WG.			
Item Code	Type	Diameter	Contents
307-041	Unstiched	φ 20 mm	12 pcs
307-042	Stiched	φ 20 mm	12 pcs

MINI BLUE BUFF			
			
Medium / Final			
Softer than green buff. Very popular among craftsmen for final finish. Excellent for silver, PT.			
Item Code	Type	Diameter	Contents
307-043	Unstiched	φ 20 mm	12 pcs

MINI CALICO BUFF			
Mirror / Final			
Calico is fine, weave, thin and supple. Ideal for finishing due to resistance to polishing marks. Excellent for Gold, PT.			
Item Code	Type	Diameter	Contents
307-044	Unstiched	φ 20 mm	12 pcs
307-045	Stiched	φ 20 mm	12 pcs
MINI CHAMOIS BUFF			
Mirror			
Chamois is soft, pliant leather which provides beautiful mirror finish. Excellent for silver, WG, PT.			
Item Code	Type	Diameter	Contents
307-046	Unstiched	φ 20 mm	12 pcs
MINI CHAMOIS COMBINATION BUFF			
Mirror			
Combination of high-grade chamois leather and soft flannel cloth. Excellent for PT and silver.			
Item Code	Type	Diameter	Contents
307-047	Unstiched	φ 20 mm	12 pcs

MINIATURE MANDRELS

Precision model Onoshima brand, quality miniature mandrels 2.34mm shank. Stable, no vibration, excellent for diamond, polishing disks, polishing buff, all precision works.

Item Code	Model	Style	Shape	Item Code	Model	Style	Shape
304-444	Precision (Made in Japan)	Regular		304-449	Standard (Made in Korea)	Regular	
304-445		Reverse		304-450		Reinforced	
304-446		1/2-head		304-451		Large-head	
304-447		Large-head					
304-448		With-Cap					



DIAMOND DISK

High cost-performance Diamond disk. Good for cutting, polishing, and burring. Please use with miniature mandrel.

Item Code	304-452	304-453	304-454	304-455	304-456	304-457
Grit	#200	#600	#1200	#200	#600	#1200
Size	$\phi 25 \times 0.3 \text{ mm}$			$\phi 22 \times 0.1 \text{ mm}$		

Made in Japan

ROLL PAPER POINT

It has around 550mm length (450mm for #240) Japanese Aluminium oxide abrasive paper rolled up and it is marked different colors for different grits. Just tear off the paper after used. Save time and enhance working efficiency with high quality abrasive paper. Maximum speed of rotary hand piece less than 8,000 rpm.

Item Code	304-118	304-119	304-120	304-121	304-122	304-123
Grit	#240	#320	#400	#600	#800	#1000
Size	$\phi 11-15 \times 27 \text{ mm}$					

Made in Japan

<https://www.youtube.com/watch?v=o-gNazYRXEo&t=22s>



Roll Paper Point /Mounted Sand paper Cartridge /Roll Sanders/ jewelry polish, Japanese tool

It has around 550mm length (450mm for # 240) Japanese Aluminum oxideabrasive paper rolled up and it is marked different grits. Just tear ...

www.youtube.com

SILICONE WA-POINT

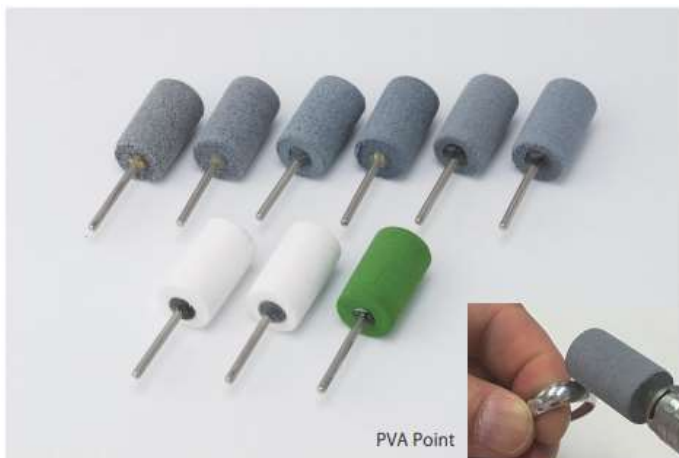
Improved cutting efficiency. You can cut well at the same time, it makes jewelry surface smooth for next step of polishing shine. Save lots of time.

Item Code	304-413	304-414	304-415	304-416
Shape	#13 Bullet	#10 Knife-edge	#11 Flat-edge	#28 Point

100 pcs / pack

Made in Japan





PVA Point

PVA POINT

Made from PolyVinyl Alcohol and much characterized by its sponge type structure. It has elasticity effect, providing smooth mirror finish without scratches and heat generation. Good for polishing Gold, Silver and PT, and at the same time it brings good shine. Works good especially silver mid to final finish.

Item Code	304-001	304-002	304-003	304-004	304-005	304-006
Grit	#120	#220	#320	#400	#600	#800
Cut	Rough					
Size	φ 15 x 25 mm					

Item Code	304-007	304-008	304-009
Grit	#1000	#1500	GREEN
Cut	Medium	Medium-fine	
Size	ø 15 x 25 mm		

<https://www.youtube.com/watch?v=R020CLxC5d0>



PVA Point/ jewelry, watch, glasses frame polishing grits # 120 to # 1000, Green finish

Made from PolyVinyl Alcohol and much characterized by its sponge type structure. It has elasticity effect, providing smooth mirror finish without scratches and heat generation. Polishing good for Gold, Silver and PT, and at the same time it brings good shine. Works good especially silver mid to final finish. Made ...

www.youtube.com



Dressing Stone

DRESSING STONE

Reshape the points for smooth and exposing the fresh abrasive

Item Code	304-45
Model	Coarse
Material	
Dimensions	

Points can be shaped like this to polish hard-to-reach or small areas.



 ALFAMIRAGE CO., LTD.

3-2-19, MIYAKOJIMAHONDORI MIYAKOJIMA-KU, OSAKA 534-0021, JAPAN

TEL : +81 6 6924 2631 FAX : +81 6 6924 2044

E-mail: sales@alfamirage.com

Website: <https://www.alfamirage.com>