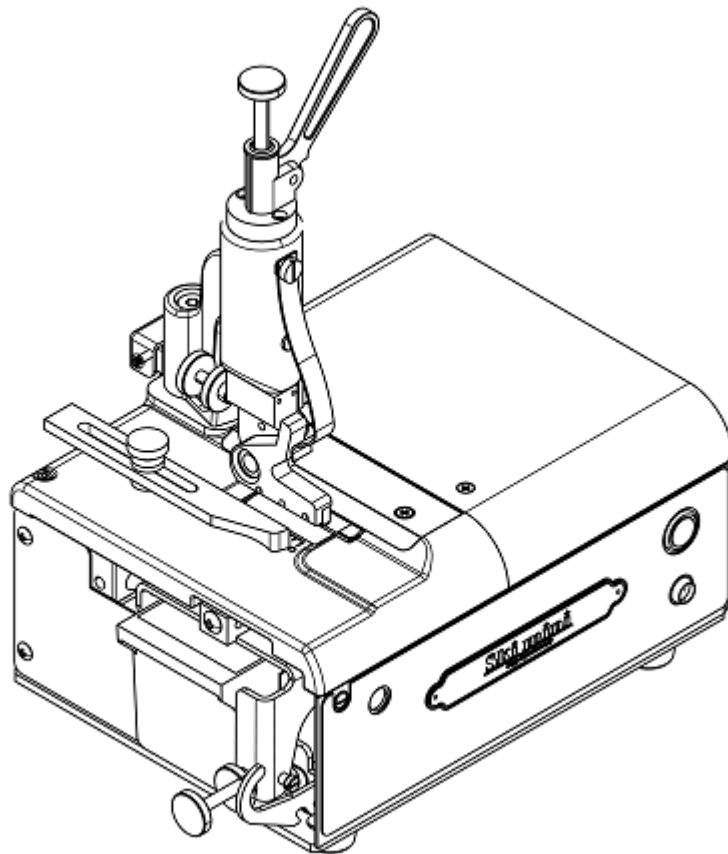


***NP-S7B* Ski-mini**

INSTRUCTION MANUAL

(AC100V-240V)



NIPPY[®]



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1. Before using

■ Safety Precautions ■

- ◆ Read this "Safety Precautions" carefully before use.
- ◆ After reading, keep where you can see at any time.

 WARNING	Risk of death or serious injury from improper use.
<ul style="list-style-type: none">● Use only <u>AC 100V-240V</u>.● In the following cases, turn off the power switch and unplug.<ul style="list-style-type: none">☑ When leaving the machine.☑ After using the machine.☑ When a power failure occurs during use.☑ When abnormality, a failure occurs.● For the prevention of electric shock, short circuit and fire accident, do not apply excessive force to the cable during use.● For the prevention of electric shock, short circuit and fire accident, Do not connect overloading an electrical circuit .● Opening the cover may cause an electric shock, Do not open the cover.● Do not use or keep machine out of water, extreme humidity (70% or more) or outdoors.● Do not use near volatile combustibles.● When unplugging the power plug, hold and unplug the power plug, not the cord.● Do not block the vent. Heat may build up inside and cause fire.	
 CAUTION	Risk of injury or damage to property from improper use.
<ul style="list-style-type: none">● Use the machine on a stable platform or after installing on a table.● Ensure enough brightness.● Do not use in direct sunlight● For the prevention of personal injury, do not put your finger on the cutting edge.● If taking the trash, be sure to turn off the main power before taking it.● Keep away this machine from children.● Never do remodeling of the machine, separating.● Do not regrind the broken blade and use it again.● For the prevention of personal injury, do not use the Leather skiving machine for anything other than its intended use.● When replacing blade, be sure to turn off the main power.● Use at room temperature of 5 °C to 35 °C.● Store at room temperature of -10 °C to 45 °C.	

■ Handling Instructions ■

- Do not burden the machine. (extremely thick or hard)
- Do not use where it gets wet. Avoid using wet hands.
- Be careful not to touch the cutting edge when replacing blade.
- Keep your fingers away from the blade while operating.
- Not to give excessive shock such as falls.
- Do not operate with the presser foot in contact with the roller or cutter.
- Do not operate the roller in contact with the blade.(It may cause the blade to chip or the sharpness to deteriorate quickly.)
- Do not stop the processed product and keep moving the skiving Machine. (It will cause the sharpness to deteriorate quickly)
- Never run continuously for more than 15 minutes. (interval 45 minutes)
- Be sure to keep the cardboard boxes that the machine was in.
 - (It is used when shipping to our company if there is a problem.)

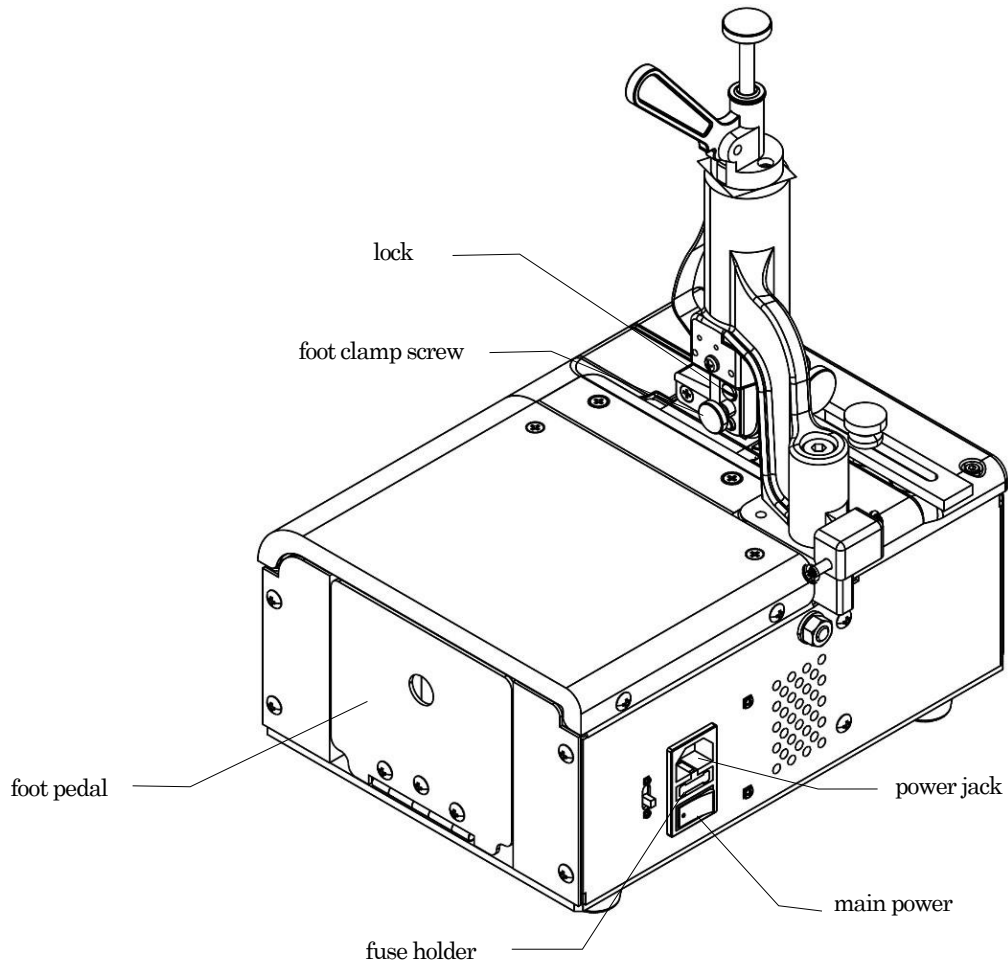
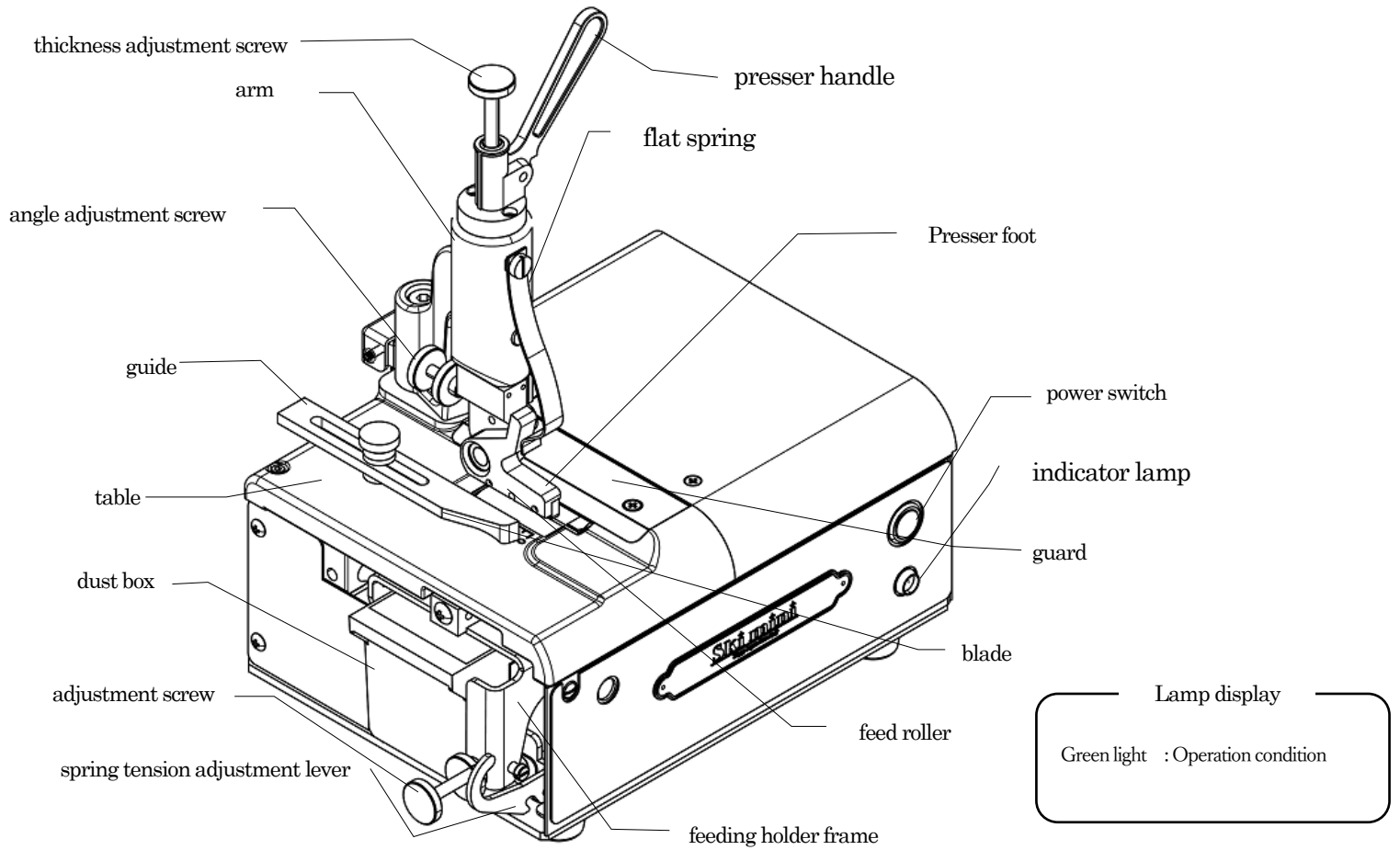
■ Safety device ■

- Spindle motor • Feed motor
 - ✓ There is a safety device that automatically shuts off the machine when a certain load is applied.
 - ✓ Once the safety device has been activated, turn off the main power and remove the one with tools that caused the overload.
 - ✓ At this time, be careful not to touch the blade with your hands.
 - ✓ If it can be confirmed that it has been removed, turn on the main power again and check that the indicator lamp is light in green before restarting operation.
- Main circuit
 - ✓ If the circuit is shorted, the fuse built into the main unit will blow.
 - ✓ If the fuse is broken, replace it with a new one. Refer to 8 page“ Fuse Replacement”.

■ Make sure to check the following items before work ■

- Check if each part has no loose screws.
- Check that the blade and presser foot are firmly fixed.
- Check if the presser foot is not in contact with the blade or roller and the roller is not in contact with the blade.
- Adjustment the thickness in trial and then work on it.

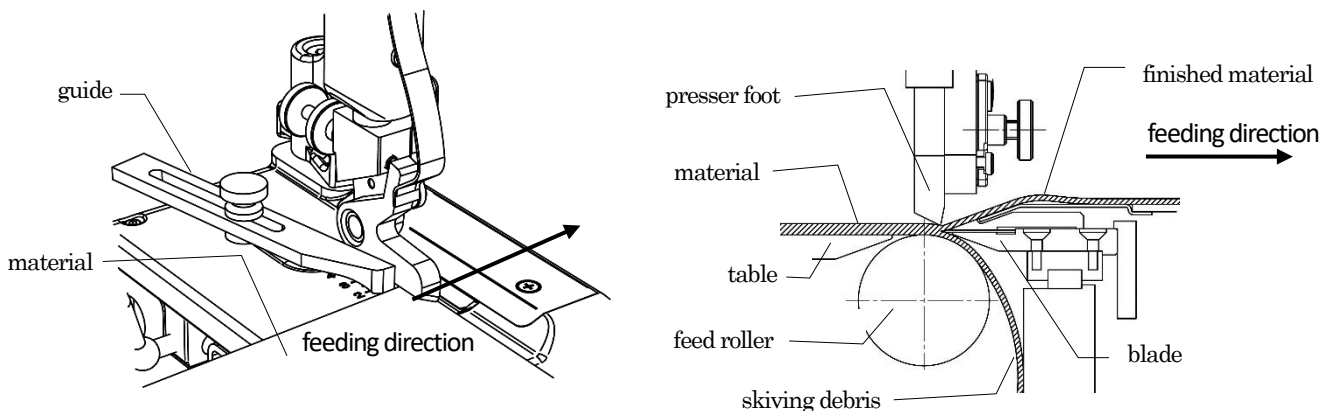
2. Name of parts



3. Operating Instruction (How to adjust each part)

(1) How to skive

- ① Turn on the main power on the back of the machine. (When the power is on, the indicator lamp lights up in green.)
- ② Adjust the guide to the desired width.
- ③ Adjust the presser foot to the desired thickness (Refer to the following for the operation method)
- ④ Turn on the power switch.
- ⑤ Feed the material between the feed roller and the presser foot while keeping it along the guide.



(2) Thickness adjustment • Presser foot handle set

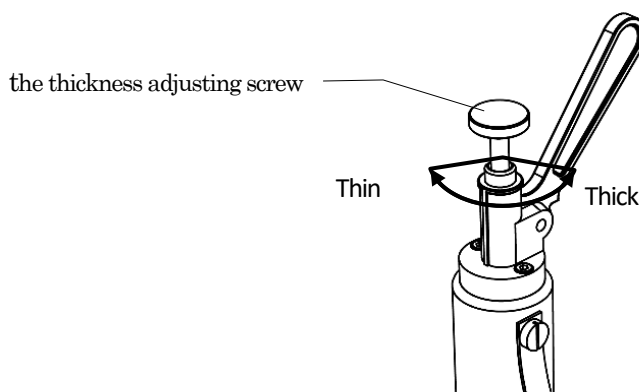
Turn the thickness adjustment screw to the right, the presser foot approaches the blade.

Turn to the left, wider distance from the blade. (The presser foot moves up and down by 1 mm in one rotation.)

By raising and lowering the presser handle, it is possible to raise and lower the presser foot with one touch without changing the thickness adjustment.

When skiving from the middle of workpiece or workpiece gets between feed roller and the blade, it is useful for removal work.

- ① When skiving thinly
The thickness adjusting screw is turned on the right direction.
- ② When skiving thickly
The steps of ① above should be performed in reverse order(left direction).

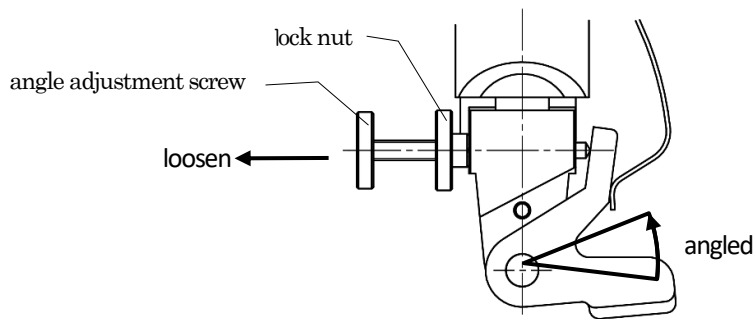


(3) Adjustment of presser foot angle (Diagonal skiving method)

- ① Replace with the 20 mm width plastic presser foot included in the accessories.
※The 20mm wide presser foot is already 15 ° angled compared to the 40mm one.
- ② When turning the angle adjustment screw left or right, changes the distance between the presser foot and the blade and adjust to any angle, fix firmly with lock nut.
(When Turned to the left with an angle. When turned to the right, it approaches parallel.)
- ③ After changing to any angle, adjust the presser foot up and down with the thickness adjustment screw.
At this time, the presser foot is lowered too much, be careful not to touch the feed roller.
- ④ If the angle and upper and lower position is decided, pass through the material as usual.

(Precaution)

Too much angle, note that the feed force of the material will be weak.



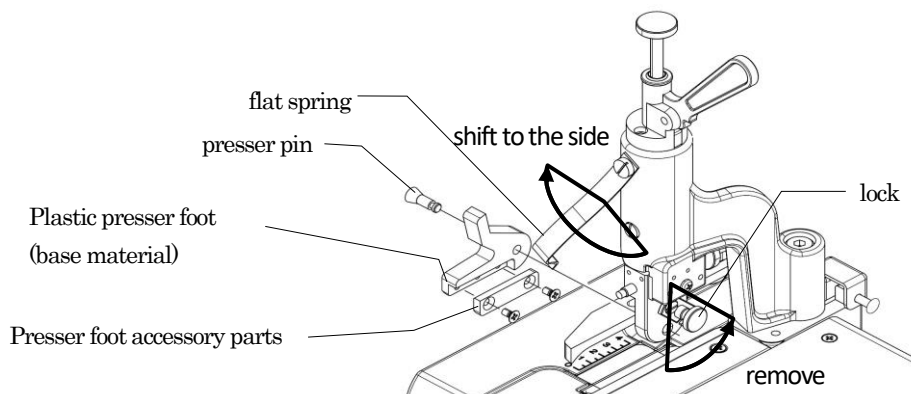
(4) How to replace presser foot

- ① Raise the thickness adjusting screw upward, remove the presser foot from the blade, shift the flat spring.
- ② Loosen the knurled screw of the presser foot and remove the lock and removed together with the pin for presser foot.
- ③ Remove the two set screws on the right side of the presser foot, replace tip attachment.
- ④ Attach the replacement presser foot by a reverse process.

(Precaution)

The replaced presser foot must be securely fixed. The thickness adjusting screw is fastened too tightly and it may impair the feed roll and the presser foot.

The thickness adjusting screw must be loosened in advance and replace. Then tighten the thickness adjusting screw and adjust the presser foot height.

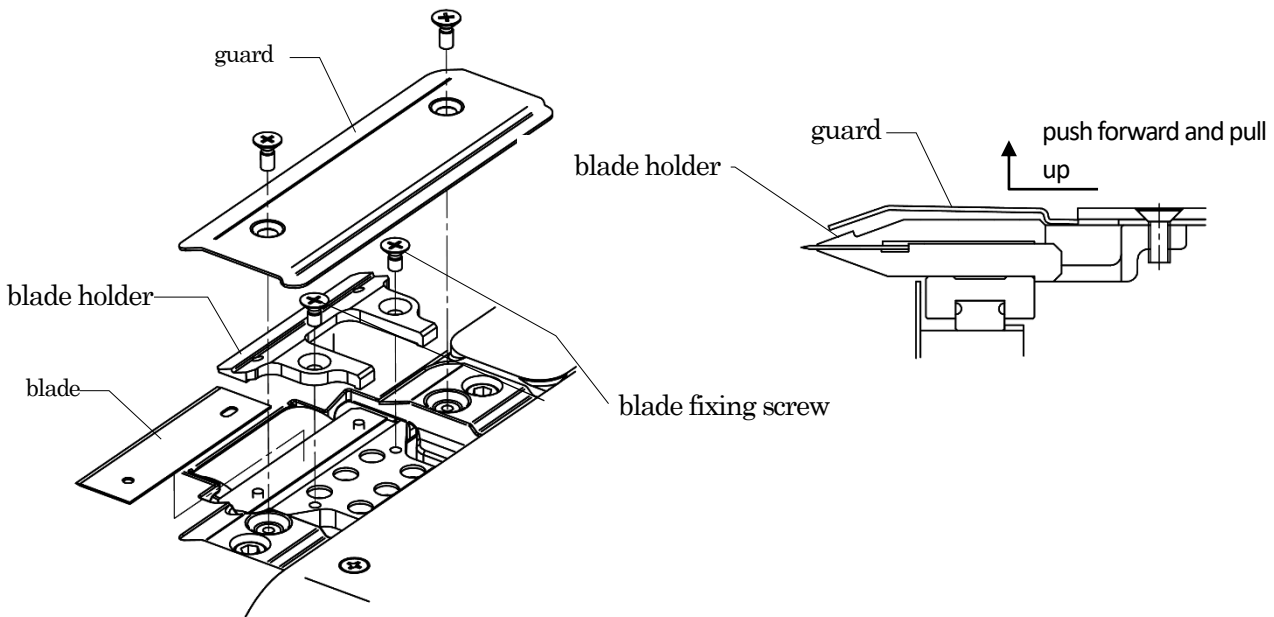


(5) Blade replacement

- ① Turn off the main power.
- ② Loosen the screw of the guard with the accessory driver, remove the guard.
- ③ Loosen the blade fixing screw with the accessory driver, remove the blade holder.
- ④ Replace the blade and assemble in the reverse process.

(Precaution)

- Work carefully not to touch the cutting edge.
※If you touch edge of blade, please wear protective gloves etc.
- Work carefully not to drop the removed screw inside the machine.
- Tighten the blade fixing screw little by little alternately to the left and right, tighten firmly at the end.



(6) Feed roll adjustment

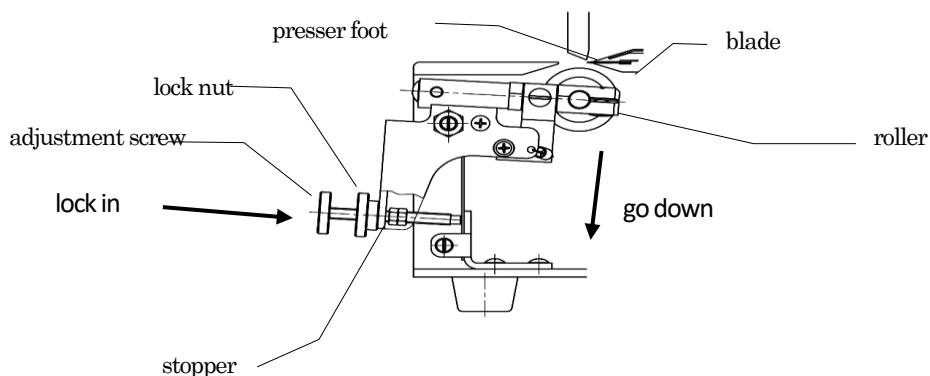
The feed roll and blade's space is properly adjusted depend on the thickness of a work piece.

Turning the adjustment screw to the right increases the distance between the roller and the blade, turn to the left to narrow.

Once the position is determined, turn the lock nut and fix the adjustment screw.

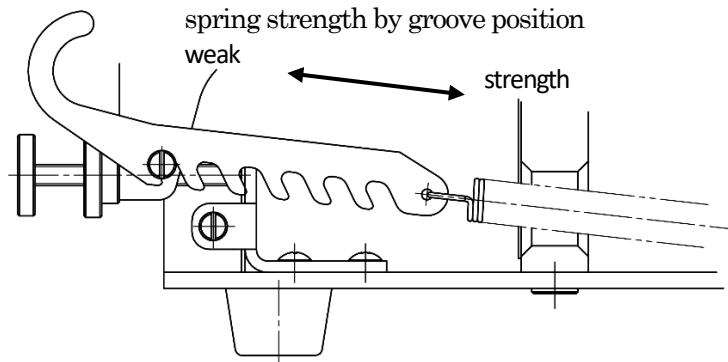
(Precaution)

Not to contact between the roller and the blade, the stop position at the stopper is the upper limit position.



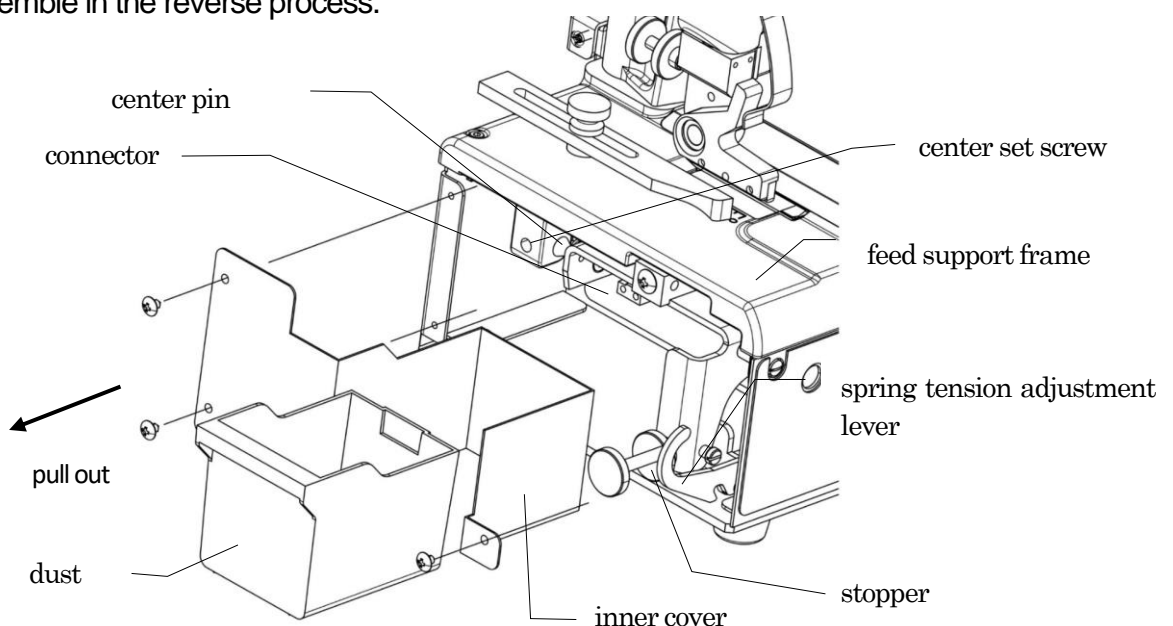
(7) Position adjustment of spring tension adjustment lever

- ① When a hard workpiece is skived
Pull the spring tension adjustment lever forward and hang in the back groove, strengthen the force of the spring.
- ② When a soft workpiece is skived
Hang in the front groove of the spring tension adjustment lever, weaken the force of the spring.



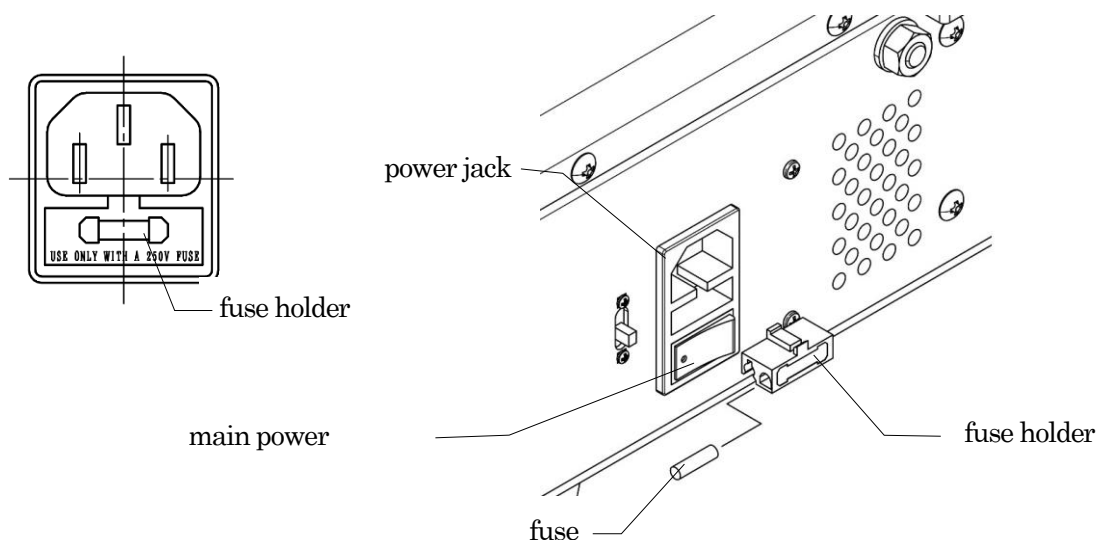
(8) Removing the feed holder frame

- ① Pull out the dust box.
- ② Hook the spring tension adjustment lever on the side of the stopper.
- ③ Loosen the screws of inner cover with the accessory driver and remove the cover.
- ④ Loosen the center set screw with the accessory hex wrench and pull the center pin sideways while supporting the feed support frame with your hand, the feed support frame will be removed.
- ⑤ After pulling out the feed support frame, disconnect the feed motor harness from the connector.
- ⑥ Assemble in the reverse process.



(9) Fuse replacement

- ① Turn off the main power and unplug the power cord.
 - ② Pull out the fuse holder of the power jack.
 - ③ Replace a new fuse, assemble in the reverse process.
Use a commercially available 5A, 250V miniature glass tube fuse. ($\phi 5.2 \times 20\text{mm}$)
- The fuse holder is attached in a spare fuse.



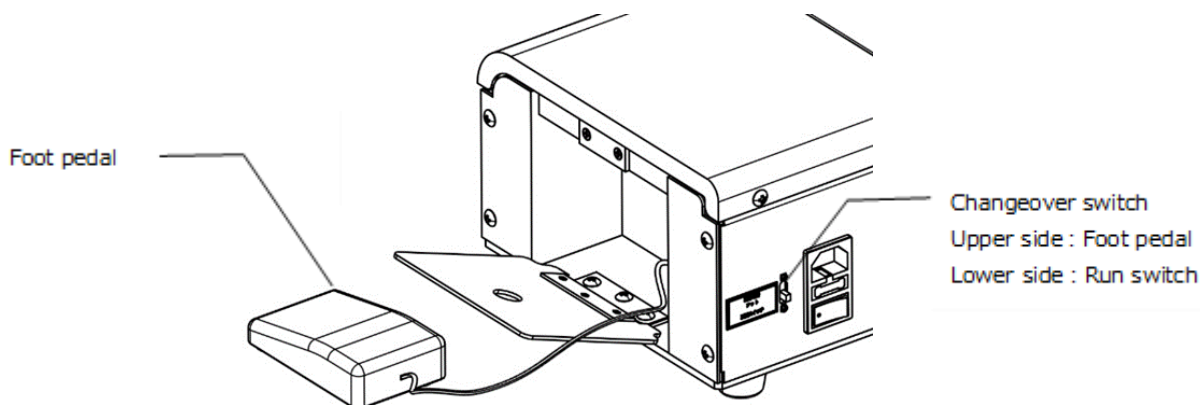
(10) Operation switching between run switch and foot pedal

There is operation switching between run switch and foot pedal on the back of the main unit. The upper side is the foot pedal, and the lower side is the run switch.

(Precaution)

Note that when switching to the foot pedal, if you hold down the pedal, it will start moving immediately.

Note that if the power switch is operation mode, it will start moving immediately when you switched it.



【Stop the back switch ⇒ Operation】

Switching operation	Operation	Behavior
Set the back switch to the run switch	Press the run switch	Start operation
	Press the foot pedal	No reaction
Set the back switch to the foot pedal side	Press the run switch	No reaction
	Press the foot pedal	Start operation

(11) How to operate the foot pedal

Take out the foot pedal from the right side and install the pedal in any position to use it.

Avoid the place where stepping errors are likely to occur or places that are prone to collapse.

Make sure the back operate switching is on the foot pedal side.

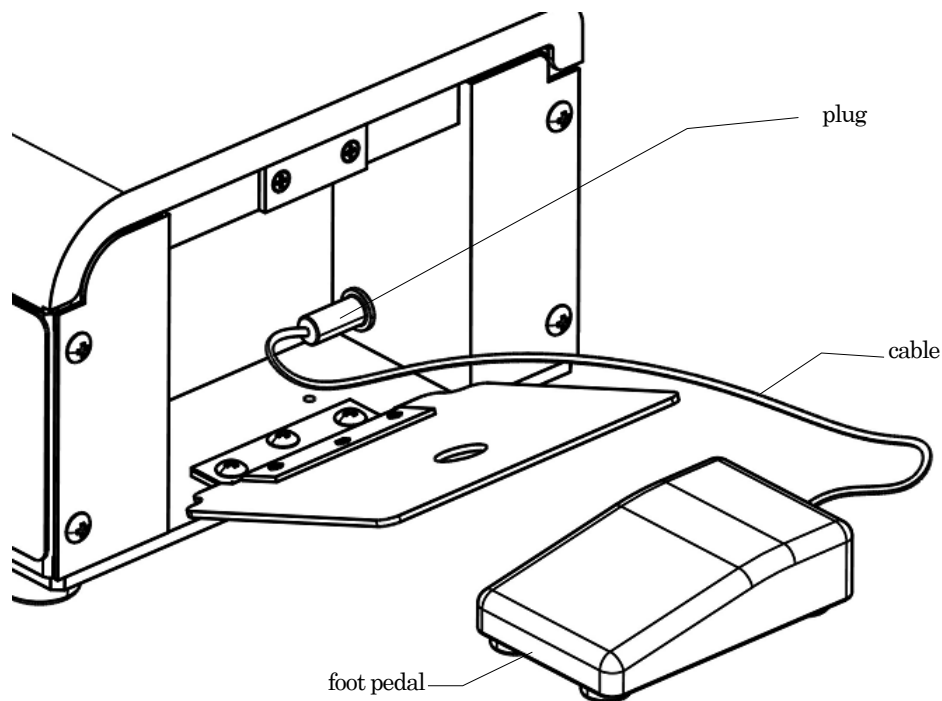
It only moves while with the main power on and pressing the foot pedal.

By turning the foot pedal on / off, you can control the feed speed. It is useful when you want to work on a curve or slowly.

(Precaution)

Do not bend the cable forcibly.

The plug isn't removable.



4. Abnormality of machine and its cause and adjusting method

Abnormality	Cause	Adjusting method
Work piece does not enter the machine smoothly	The up and down space between presser foot and the blade is wide	Thin the skiving thickness, because it is too thick
	The space between the feed roll and the blade is wide	Bring the feed roller as close to the blade as possible
	The space between the feed roll and the blade is narrow	When a work piece is thick, lower the feed roll little by little
	The blade doesn't cut well	Replace with a new one
	Spring tension adjustment lever too strong	Weaken spring tension adjustment lever as much as possible
	The surface of the presser foot is worn out	Replace with a new one
	Slippage of presser foot is bad	Apply Teflon tape to the presser foot sliding surface
Leather does not enter between presser foot and flat blade	The up and down space between the presser foot and the blade is narrow	Increase the space between presser foot and blade
	The space between the feed roll and the blade is narrow	Increase the space between feed roll and blade
Leather isn't skiving (or cleanly)	The blade doesn't cut well	Replace with a new one
	The up and down space between the presser foot and the blade is wide	Thin the skiving thickness, because it is too thick
Wavy stripes are present on the skived surface	The edge of the blade is partly broken or the blade doesn't cut well	Replace with a new one
	The blade is not completely fixed	Tighten the blade holder screw
Anskived portions are left	The presser foot is not completely fixed	The setting screw for the presser foot is loose, fix the presser foot not to move
	The presser foot contacts with the feed roll	Loosen the thickness adjusting screw, and raise the presser foot
	Uneven portions exist on the feed roll	The feed roll is defective, replace the roll
	Not pushing the center pin of the feed support frame completely	Push the center pin completely and tighten center set screw

Abnormality	Cause	Adjusting method
Work piece goes under the blade	The space between presser foot and the blade is narrow	Thick the skiving thickness, because it is too thin
	The presser foot is below the blade edge	Raise the presser foot
	The space between the feed roll and the blade is too wide	Bring the feed roll closer to the blade
	The sharpness of the blade is bad	Replace with a new one
	The spring tension adjuster is too device is too weak	Strong the spring tension adjuster
The skived scrap is rolled upward	The dust is full of dust box	Throw away the dust
	There are irregularities on the surface of the feed roll	Replace with a new one
The sharpness of the blade gets worse soon	stopping and running the processed skiving piece in the middle of work	Finish the processed product to the end
	Skiving for something thick, hard or hard to cut	When skiving something that is likely to damage the blade, replace with a new one frequently
Blade doesn't move	Foreign matter is caught at both ends of the blade	Because the safety device is working, Eliminate the cause of overload (such as the dust)
	Main power or power switch is off	Turn on main power or power switch
	Spindle motor failure	Replace with a new one
	Power supply circuit failure	Request repair from our company
The feed roll doesn't move	Foreign matter such as shavings is caught	Because the safety device is working, Eliminate the cause of overload (such as the dust)
	Feed motor failure	Replace with a new one
	Power supply circuit failure	Request repair from our company
Cannot turn on	Power cord is not stuck	Plug in the power code
	The fuse is blown	Replace fuse with a new one
	Power supply circuit failure	Request repair from our company

5. Specifications

M O D E L	NP-S7B
Power source	AC 100V – 240V
Rated frequency	50/60Hz
Power consumption	80W
R a t e d t i m e	15min
U s e d f u s e	5A 250V miniature glass tube fuse (φ5.2×20mm)
Dimensions	H390×W330×D240mm
Standard skiving thickness	2.5mm (depends on the type of leather)
W e i g h t	10.5kg
Accessories	<ul style="list-style-type: none"> • Feed foot pedal • Presser foot handle set • 2 kinds of Plastic presser foot (40mm、 20mm) • Power code (Plug : A type or C type) • Blade 5pcs set (for replacement) • Screwdriver, 2 kinds of Hex wrench • INSTRUCTION MANUAL (this document)

6. PRODUCT WARRANTY

WARRANTY

We will repair the product without charge for any failure that should occur in normal use for 1 year after purchase showing this warranty. In the case of follows, it is charged whether they occur during the warranty period or not.

- Spare parts (blade, feed roll, presser foot) are out of compensation
- Malfunction occurred in wrong use or carelessness such as falls
- Repair or remodeling except the regular store
- The damage by a natural disaster such as fire, earthquake, storm, flood damage, thunderbolt and abnormal voltage

MODEL	NP-S7B	Product Number		
Date of purchase			Warranty period	1 Year
Customer	Address			
	Name			
	Tel			
Store				

MEMO

NIPPY®

■ MANUFACTURE AND SALES ■

NIPPY KIKAI CO., LTD.

767-1 Shimomiyaki-cho, Kasai, Hyogo 675-2105 Japan

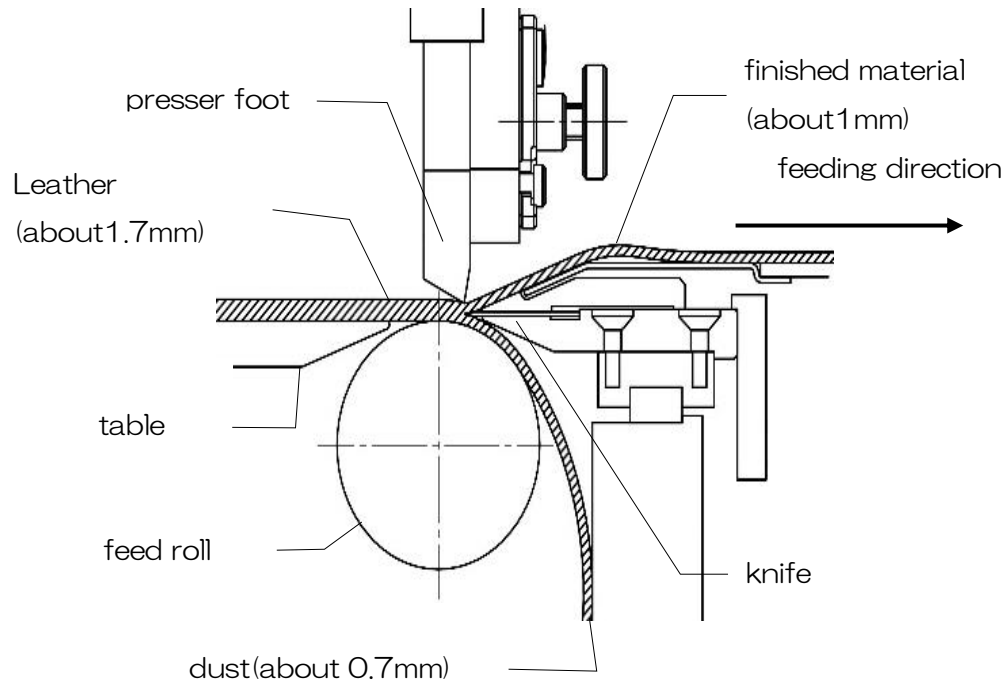
TEL: +81-790-49-1414 FAX: +81-790-49-2266

E-mail: info@nippy.jp URL: <http://www.nippy.jp/>

Skimini Initial setting

The space of presser foot and knife is the initial settings that you can skive the leather about 1.7mm leather to about 1mm.

When using leather of about 1.7 mm, you can use it as is without adjusting.



※The thickness may change depending on the type and quality of leather.



If you are having trouble using or adjusting the Skimini, you can see the YouTube video list from the QR code.