

# 524676 ELECTRIC MULTI-PURPOSE SHARPENER

**TOOLEX<sup>®</sup>**  
**Industrial**



## INSTRUCTION MANUAL




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## 1. SPECIFICATIONS

Model Number	524676
Volt/Frequency	240V/50Hz
Input Power	65W
Max. Speed	6700 RPM
Max. Wheel Diameter	$\frac{3}{8}$ " (10mm)
Drill Diameter	$\frac{7}{64}$ " - $\frac{3}{8}$ " (3mm - 10mm)
Net Weight	1.65 Kg

## 2. SYMBOLS

	<b>Danger</b>	Indicates an imminently hazardous situation which, if not avoided, will result in death.
	<b>Warning</b>	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	<b>Caution</b>	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

	Warning
	Read the Instruction manual
	Wear eye protection, ear muffs and helmet

	Wear foot protection
	Wear gloves

## Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep the manual in a safe and dry place for future reference.

## Safety Warnings And Precautions

When using electrical tools, basic safety precautions should always be used including the following: Unplug from outlet when not in use, before putting on or taking off any parts and before cleaning. To protect against electrical shock, do not immerse cord, plug or appliance in water or any other liquid. To reduce the risk of unintentional starting, make sure that the switch is in the Off position before plugging in.

- Do not operate any product with a damaged cord or plug, if the product malfunctions or it is dropped or damaged in any way.
- Always check for damaged parts before operation. Damaged parts should be properly repaired and replaced.
- Do not use in dangerous environment or expose to damp or wet conditions.
- Keep your working area well lit.
- Do not let the cord hang over the edge of table or counter or touch hot surfaces.
- Do not use product or attachments for other than intended purpose.
- Do not leave the grinding wheel unattended while it is operating.
- Keep all nonusers a safe distance from the work area, keep out of reach of children at all times.
- Grinding generates sparks, keep away all flammable substances and materials.
- Never touch the moving grinding wheel.
- The motor is specially rated for intermittent use-maximum 15 minutes continuous use.
- Do not attach modules when the grinding wheel is moving.
- Do not use the grinding wheel without a module in place.
- Before removing a module, switch off the Power Unit and allow the grinding wheel to come to a stop.

## 3. USER PRECAUTIONS

- Remove all loose clothing, neckties, rings, bracelets and other jewellery that may get caught in moving parts.
- Nonslip footwear is recommended.
- Wear protective hair covering to contain long hair.
- Ear muffs and gloves are recommended.
- Always use safety glasses. Note: Everyday eye glasses do not contain impact resistant lenses- they are NOT safety glasses.
- Always use face or dust masks if grinding operation is dusty.

## 4. CARE AND CLEANING

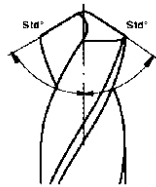
- Before cleaning, disconnect from the mains.
- Keep clean and free from oil and grease.
- Store in dry conditions.

## 5. HIGH SPEED STEEL DRILL SHARPENER

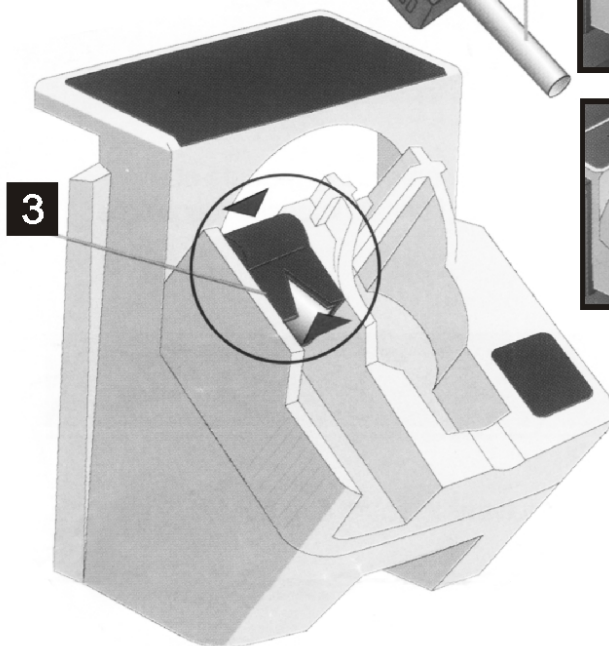
- Sharpens all high speed steel drill bits from 7/64" (3.1mm) to 3/8" (10mm)
- Unique "True Point" action ensures accurate finish
- Precisely locates high speed steel drills for correct sharpening angles
- Re-sharpens broken drill bits

### SHARPENING HSS BITS

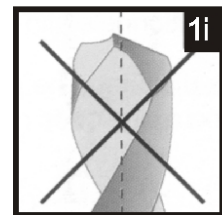
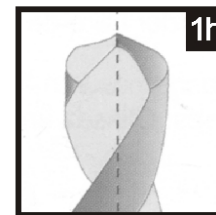
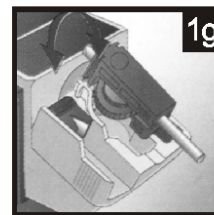
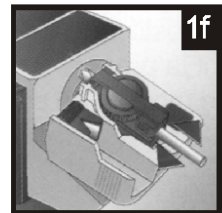
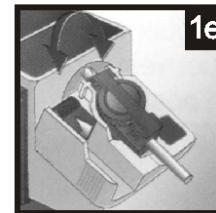
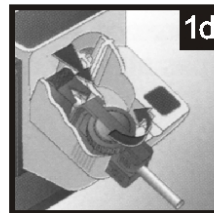
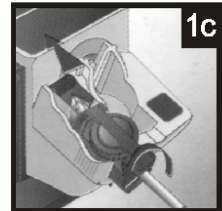
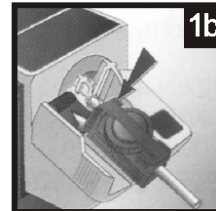
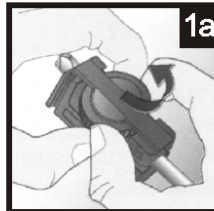
- 1 Clamp
- 2 HSS Drill bits
- 3 'V' Guide



'True Point' action sharpens precisely to correct angle



#### SHARPENING HSS DRILL BITS



**Max. drill diameter: 3/8" / 10mm**



**Min. drill diameter: 7/64" / 3mm**



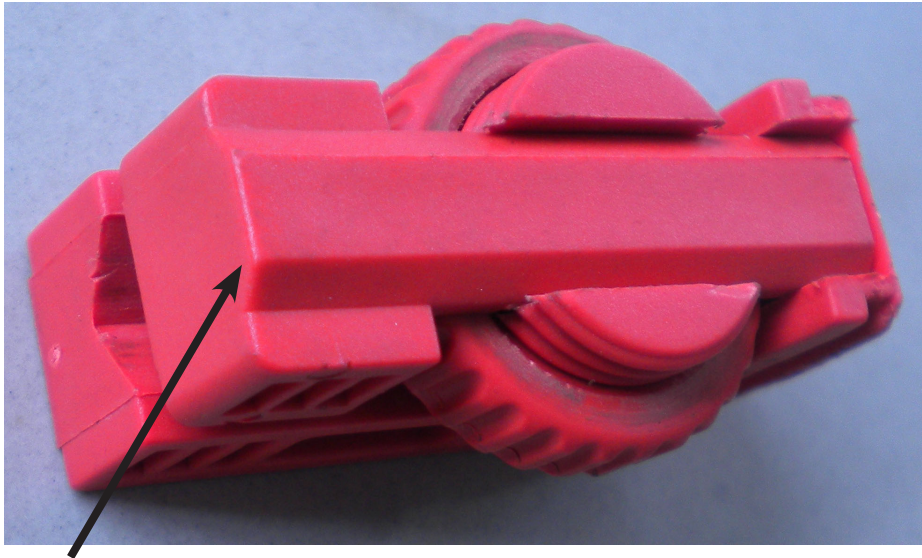
1. Slide module, labelled high speed steel drill sharpener onto the Power Unit.
2. Remove the clamp from the clamp holder and insert the drill bit to be sharpened (1a). Tighten the clamp lightly to leave the drill bit still free to move.
3. Place the clamp containing your drill bit into the setting slot, using the grooves in the side to lower it in correctly (1b).
4. Turn the drill bit until the V guide fully drops over it (1c)-all four drill bit corners should now be touching the V guide sides.
5. Ensure that the drill and holder are fully down in the setting slot. With the drill bit in this position, tighten the clamping ring (1d).
6. Lift up the "V" guide and remove the clamp and drill bit.
7. Transfer the clamp holder from side to side, securing with light finger pressure (1f).
8. Switch the Power Unit on.
9. Move the clamp holder from side to side, securing with light finger pressure (1f).



10. Remove the drill bit and holder and turn over (1g). Repeat No.11.
11. Check the leading edge of both flutes are equally sharp. They should meet exactly in the middle as in (1h),not (1i).
12. Switch the Power Unit off. Before removing the module, ensure the grinding wheel has stopped.

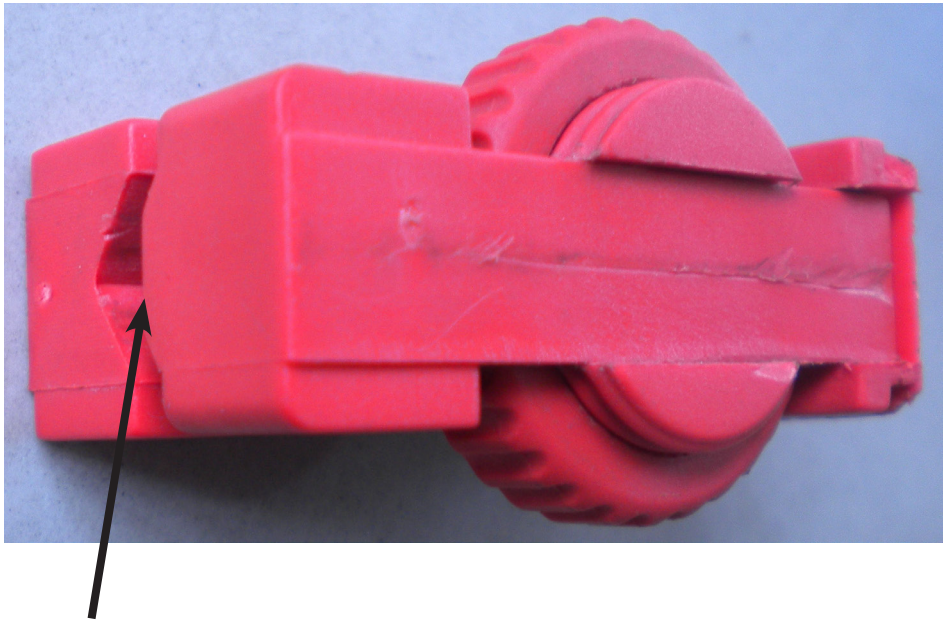
**Clamping Means Of Hss Drill Bits From Diameter 3mm To 3.5 mm**

Clamping means of HSS drill bits from 3.5mm to 10mm. See below figure.



Stepped surface upward, and plane face the HSS drill bits.

2. Clamping means of HSS drill bits from 3.5mm to 10mm. See below figure.

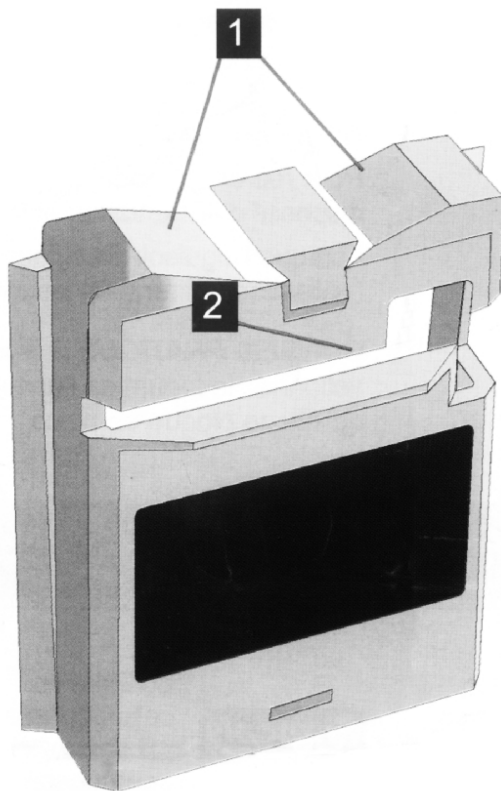


Loosen the locknut, then turn around the locknut and the clamp with 180° which shows the stepped surface downward. In other words, the sidestep face the drill bits.

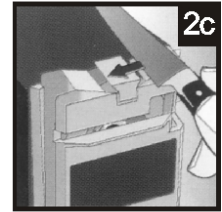
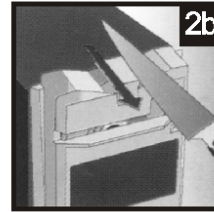
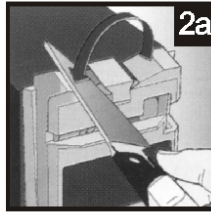
## 6. KNIFE & SCISSOR SHARPENER

- Sharpens all straight edged knives & scissors.
- Unique top for sharpening knives.
- Precisely angled slot for sharpening scissors.

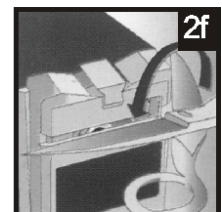
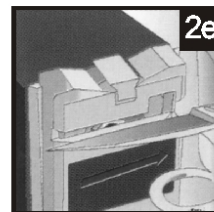
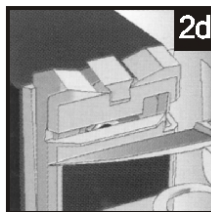
- 1** Knife Sharpening Slots  
**2** Scissor Sharpening Slot



### SHARPENING KNIVES

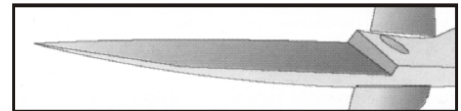
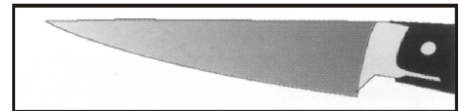


### SHARPENING SCISSORS



This module is suitable for all straight edged, household knives and scissors only.

Do not use serrated edged blades.



### Sharpening Knives

1. Slide module, labelled Knife & Scissor Sharpener on to the Power Unit.
2. Switch the Power Unit on.
3. Hold the knife handle towards you and insert the handle end of the blade into guide slot (2a).
4. As soon as the blade touches the grinding wheel, draw it with light steady pressure across the wheel to the tip, then remove. Do not press hard (2b).
5. Insert the second side of the blade into the other top guide slot (2c) and repeat #4.
6. Repeat sharpening each side in turn until a clean sharp edge is attained.
7. Switch the Power Unit off. Before removing the module, ensure that the grinding wheel has stopped.

## Sharpening Scissors

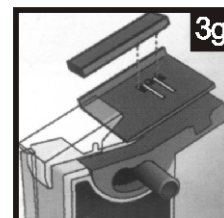
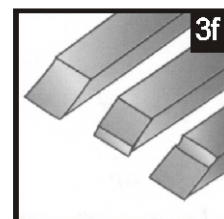
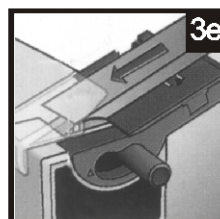
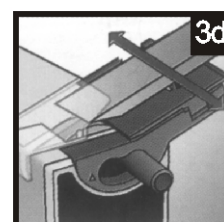
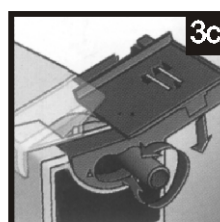
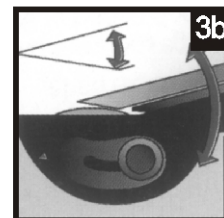
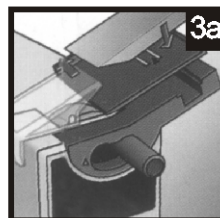
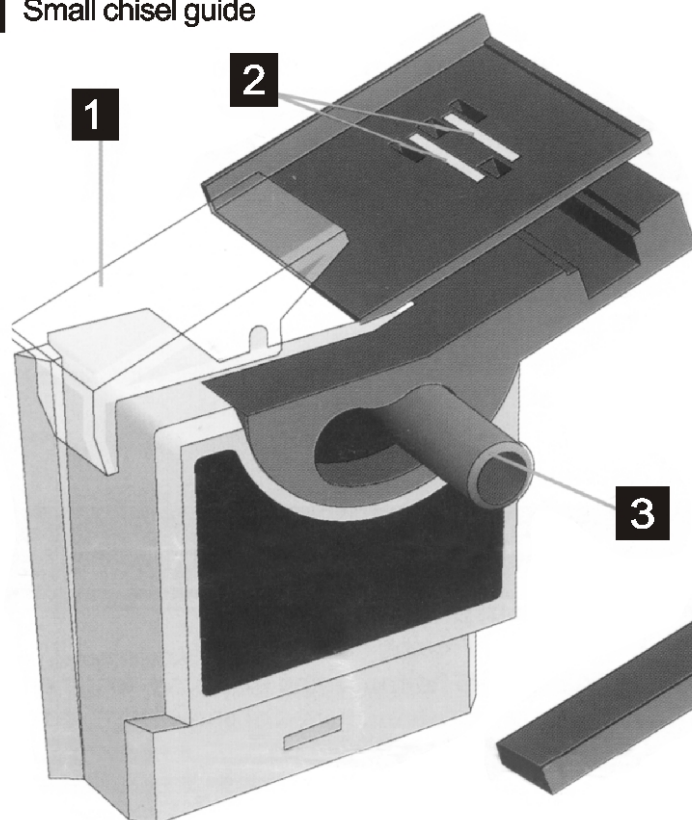
1. Slide module. Labelled Knife & Scissor Sharpener, onto the Power Unit.
2. Switch the Power Unit on.
3. Open the scissors fully.
4. Slide the first scissor blade through the front guide slot (2d)-keep the pivot of the scissors and other blade to Right hand side.
5. Draw the blade across the grinding wheel from pivot to tip. Use a light steady pressure, do not press too hard (2e).
6. Remove and turn scissors over to sharpen the second blade (2f)-keep the pivot to the right and sharpen from pivot to tip.
7. Repeat if necessary, until clean sharp edges are achieved.
8. Switch the Power Unit off. Before removing the module, ensure that the grinding wheel has stopped.

## 7. CHISEL & PLANE SHARPENER

- Regrinds Chisel & Plane blades up to 2" (50mm) wide
- Adjustable grinding angle from 20°- 40°
- Powerful integral magnet to keep blade secure
- Protective shield for added safety

### SHARPENING CHISELS & PLANE BLADES

- 1 Protective shield for added safety
- 2 Powerful integral magnet to keep blade secure
- 3 Adjustable grinding angle from 20° to 40°
- 4 Small chisel guide



### Sharpening Blades

1. Slide Chisel & Plane Sharpener Power Unit.
2. Place the blade against the back lip of the plate (3a). The magnet helps hold in place.
3. The sharpening angle must match the existing beveled angle on the blade tip. Adjust, if necessary.
4. To alter the angle, loosen the angle adjusting knob (3c), adjust the plate angle-then tighten.
5. Make sure the blade edge touches the grinding wheel, then switch the Power Unit on.
6. Slide the blade and plate with light steady pressure back and forth across the grinding wheel in a continuous Motion (3d). Do not hold the blade stationary-this causes irregular sharpening.
7. Gradually adjust the blade down the plate while sharpening (3e). Do not press hard-grind gradually, repeating the step.
8. Remove the blade and make sure the beveled edge and tip are evenly sharp. If not, adjust the grinding angle. It is important that the sharpening angle matches the existing beveled angle of the blade. This avoids Removing too much metal unnecessarily and keeps plane blades at their optimum shaving angle (3f).

9. When sharpening thin chisel blades, place the small chisel guide onto the plate to act as a spacer and sharpen as before (3g).
10. Switch the Power Unit off. Before removing the module, ensure the grinding wheel has stopped.
11. Recommend that after grinding, the blade tip is honed on an oil stone.



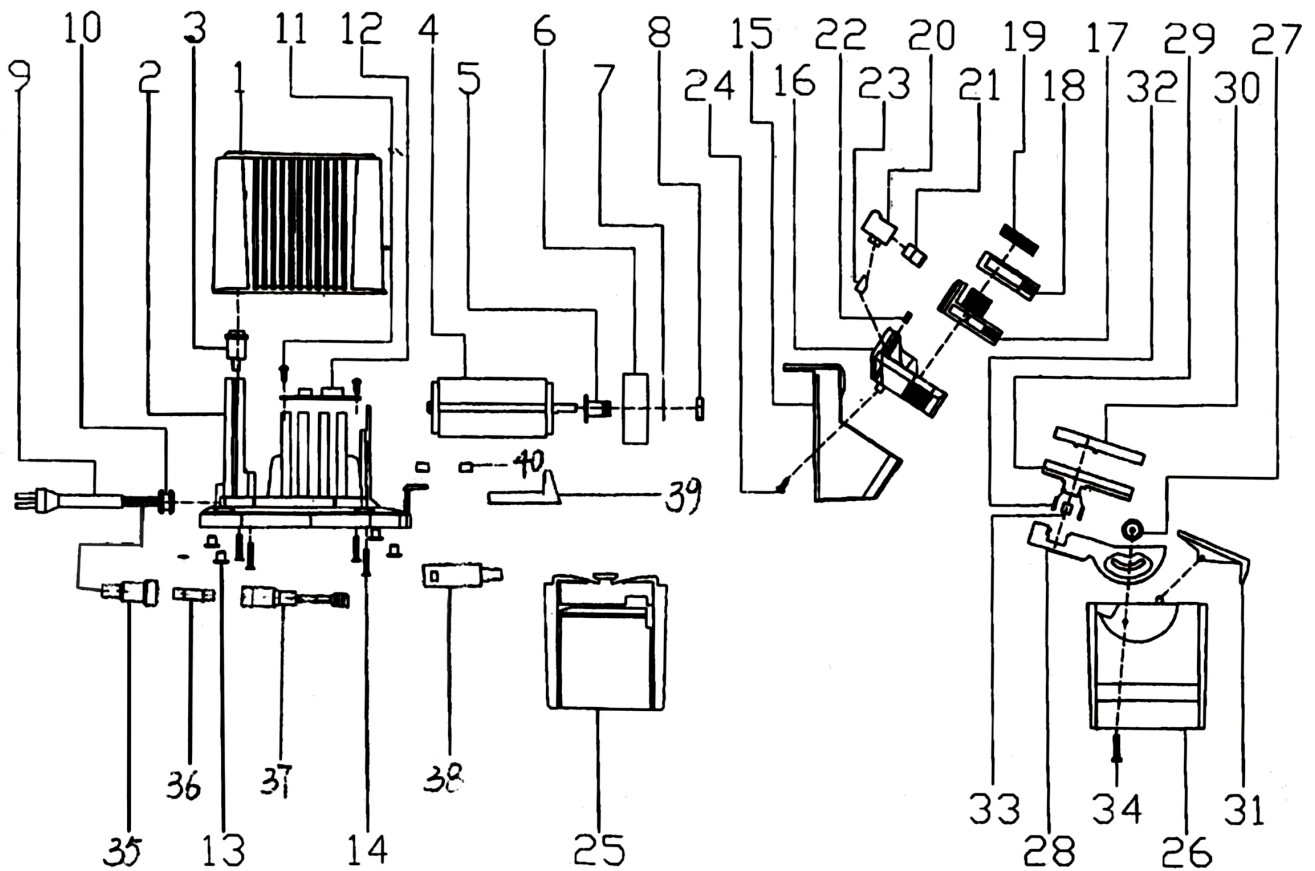
**Attention:**

When the machine is not in use, take off the following accessories:

- #15 Fixing chuck for drill,
- #25 Fixing shelf for scissors,
- #26 Plane blade holder



## 8. PART LIST



Part No.	Description	Qty
1	Top Housing	1
2	Base	1
3	Switch	1
4	Motor	1
5	Wheel Valve	1
6	Grinding Wheel	1
7	Sign for Rotational Direction	1
8	Nut	1
9	Cord	1
10	Jacket of Cable	1
11	Screw	2
12	PCB	1
13	Pilable foot	4
14	Screw	4
15	Fixing Chuck for Drill	1
16	Supporting chuck for drill	1
17	Locking Lump	1
18	Gripping Lump	1
19	Locknut	1
20	Counter Card	1

Part No.	Description	Qty
21	Right-chuck	1
22	Backing iron sheet	1
23	Fixing sheet	1
24	Screw	1
25	Fixing shelf for Scissors	1
26	Plane Blade Holder	1
27	Locknut	1
28	Angle conditioner	1
29	Supporting Shelf	1
30	Move Instruction	1
31	Protective Guard	1
32	Magnet Card	2
33	Magnet	1
34	Screw	1
35	Fuse Tube	1
36	Fuse	1
37	Fuse Tube	1
38	Auxiliary Switch	1
39	Bottom	1
40	Platen	2

**PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURE AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO. OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO

NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

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