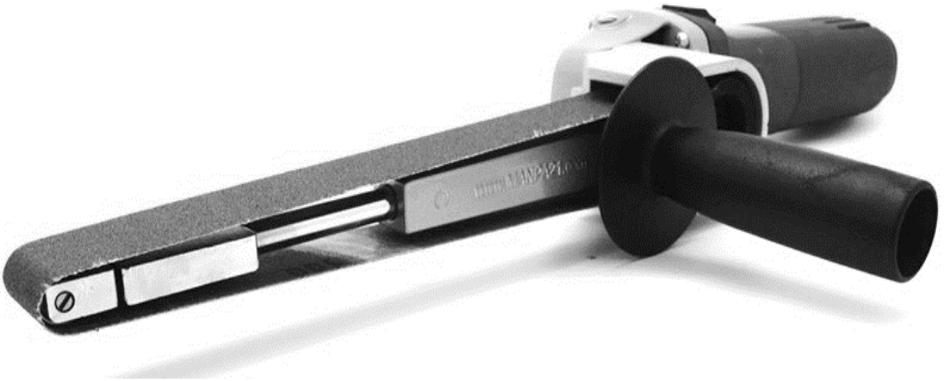


# PRODUCT'S INSTRUCTION MANUAL



**Model Number : BELT SANDER (MP21-14)**

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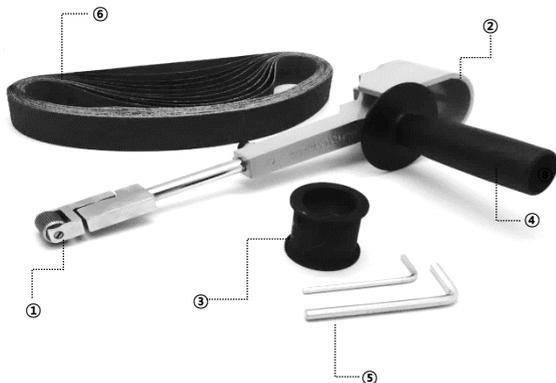


**ORIGINAL INSTRUCTION PROVIDED  
BY MANPA TOOLS**



**PLEASE READ ALL MANUAL FOR SAFETY  
BEFORE USING THIS TOOL**

## 1. Product composition & specification



### Basic composition

- ① Belt Sander Housing
- ② Body
- ③ Drive Roller
- ④ Wide Handle
- ⑤ L Wrench
- ⑥ Sand Paper #40 (10pc)

Note : text, diagrams and data are correct at time of printing. In the interests of continuous improvement of our products, technical specifications are subject to alteration without prior notice

### TECHNICAL SPECIFICATIONS :

**Max. diameter :** 15 mm @ front drive roller

**Max. depth :** 300 mm

**Max. RPM :** 26,400 rpm @ extension spindle

**Power :** 630 ~750 Watt

**Model :** MP21-14

**Bore size :** M10, M14, 5/8"-11(option)

**Weight :** 1.1 Kg (without angle grinder)

**Overall Length :** 300 mm

**Working width :** 30 mm

**Sandpaper width :** 30 mm

**Sandpaper Hardness :** #40

## 2. Manufacture information

- Manufacturer : Manpatools Corporation
- Country of manufacture : Made in Republic of Korea
- Address : 700-20 Manse-ro, Yangseong-myeon, Anseong, Gyeonggi-do, Korea
- Telephone : (Tel) +82-31-676-9212 (Phone) +82-10-8777-5735
- Website : [www.manpatools.com](http://www.manpatools.com)

### 3. Unpacking and assembly

1



Please prepare a Belt sander and angle grinder Grinder.

Only Bosch or Makita can be installed.

2



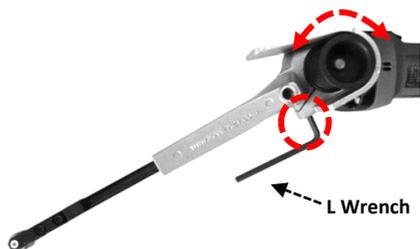
First, the roller is attached to angle grinder.

3



Attach the body to the grinder.  
(Make sure no gap in between)

4



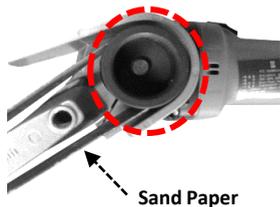
Adjust preferred angle(15-30°).  
and fasten the body bolt with L wrench.

5



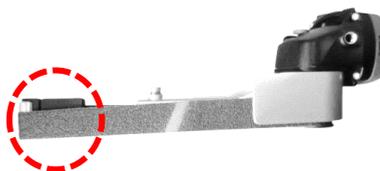
Don't tighten the fixing bolt.  
Just check it doesn't loosen.

6



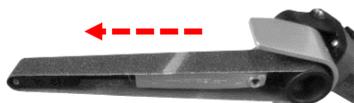
First, Put the sandpaper on the drive roller.

7



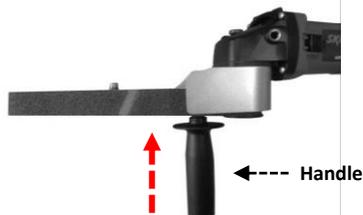
Attach the sandpaper while pressing down on the housing.

8



Sand paper is installed properly as shown in the picture above.

9



Attach the handle to the handle mounting area.

## 4. How to fit sandpaper center

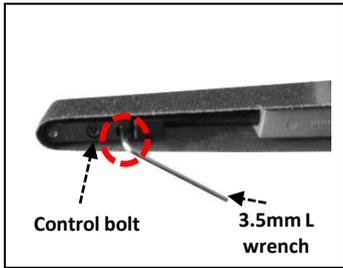


Image 1.

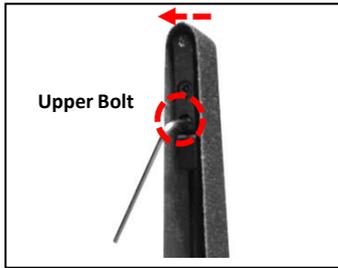


Image 2.

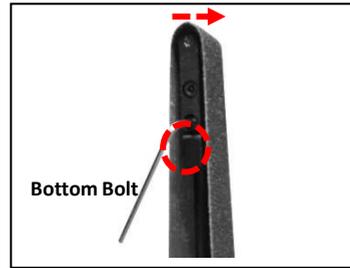


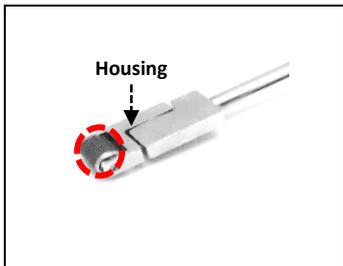
Image 3.

In order to fit center of sand paper, the Housing and Control bolt(right side) need to be adjusted with delicate. After putting sand paper, prepare 3.5mm L wrench and clear the control bolt if it is dirty. and follow below instructions.

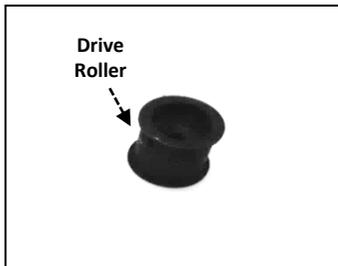
- Prepare 3.5mm L wrench.
- Use a wrench to tighten the bolts and loosen them as seen in Image 1
- If upper bolt is tightened, sand paper goes to Left. as seen in Image 2.
- If bottom bolt is tightened, it goes to Right as seen in Image 3.
- After fixing the center, check all bolts are tightened exactly.

**WARNING :** When fitting center of sand paper, you must use the genuine sand paper manufactured by Manpatools. Sand paper in the market have different regulations that working without properly installing may result in an accident.

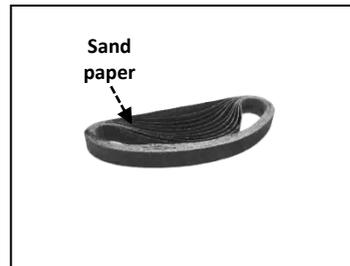
## 5. Maintenance



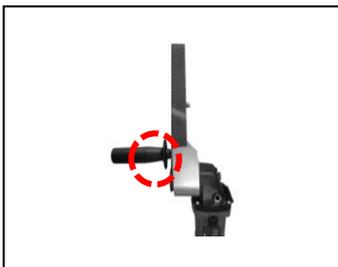
Clean the housing part after working.



Clean the sawdust on the drive roller. The paper may be torn.



If the paper is worn, replace it.



Always attach the handle and hold the tool with both hands.



Check that the body and the grinder are in complete contact.

## 6. Safety instruction

Use of Belt sander is recommended by someone at least 18 years old or older with the experience of using grinder in woodcraft or woodcarving industry.

Also, always follow the safety precautions during use. If you never used a grinder, we recommend that you receive instructions and safety training from someone that can handle grinder proficiently.

- a. Before supplying power, ensure that the on/off switch is in the OFF position and check if bolts in each part are securely fixed, and the belt safety cover and handles are installed properly. Hold the handle on the body with the left hand, hold the grinder with the right hand, and supply power while holding it safely with both hands.
- b. When the power is turned on, the power is delivered from drive roller to vertical gear where the sand paper is rotating. After it starts to operate, check if sand paper delivers power properly, and begin sanding by getting the paper close to the surface of wood.
- c. Check for any debris like pebbles or sand on wood and remove during work. Also, be careful with kickback.
- d. During operation, if the tool is forcibly used, the sand paper may be worn easily. Work safely by giving enough time for the tool to sand the wood.
- e. When done with work or pausing, turn the power off and hold the grinder with both hands until the residual rotation finishes. Put it down when it completely stops.
- f. Always unplug when not working.

**WARNING : Read the product guide provided with the product, and follow all precautions. Please do not discard the product guide but keep it.**



### **READ ALL INSTRUCTIONS**

- ▶ Always wear safety goggles or safety glasses with side shields. Use a dust mask for dusty operations, and wear hearing protection if you'll be using the tool for an extended period of time.
- ▶ Dress right, and remember that looks don't count. No loose-fitting clothing, no neckties, no jewelry, no dangling objects of any kind. Long hair must be tied back out of your way. Non-slip footwear is recommended.
- ▶ Never use power tools if you are tired, sick, distracted, or under the influence of drugs or alcohol.
- ▶ Make sure your work area is neat and clean and free of any debris that might get in your way or be ignited.
- ▶ Before you work, make sure appropriate, secure work with a clamp or vise to keep it from slipping.
- ▶ Before you plug in any power tool, make sure the power switch is off.
- ▶ Be sure all appropriate guards are in place and working.
- ▶ Always turn off and unplug the tool before you make any adjustments or change accessories.
- ▶ Never use any accessory except those specifically supplied or recommended by the manufacturer.
- ▶ Never use power tools in wet or damp conditions.
- ▶ Never use a tool that is damaged or malfunctioning in any way.
- ▶ Make sure cutters are clean, sharp and securely in place. Never use bent, broken, or warped cutters.
- ▶ Never rush what you are doing. Always pay close attention. Don't let anything distract you. Think ahead.
- ▶ When using hand-held power tools, always keep a firm grip with both hands. Losing control creates a hazardous situation.
- ▶ Always use the right tool for the right job. No substitutions allowed.
- ▶ Always unplug, clean and store the tool in a safe, dry place.
- ▶ Make sure that the cutter blade or the belt is not in direct contact with the user. Contact may lead to serious injury.
- ▶ Please be aware that the cutter can generate rebound force (kick back) due to its rotation direction.

## 7. Safety precautions

Please read and understand all safety precautions, instructions, explanations and specifications provided with this product thoroughly for safe work and accident prevention.

a. Work area safety user loses control of the tool due to kickback, and it jumps up or cuts any

- Always keep the light in work area bright.
- Always keep the work area well ventilated.
- Do not work in the environment with explosion hazard.
- Restrict access of people near the work area.



b. Electrical appliance safety

- When using electric tools, clean off any debris in the socket, and check for any damages on the wire. If any damage is discovered, replace the wire and use.
- Do not modify electric tool, and work safety according to the instructions provided by the electric tool.
- Do not expose electric tool to rain or wet environment, and do not use if exposed. It may result in accident due to electric shock.

Always unplug when inspecting or not using electric tool.

c. Personal safety

- When working, wear all safety equipment such as mask, goggles, gloves and safety clothing. Safety equipment can protect the body and reduce damage from any possible accident.
- When working, fasten the woodwork. securely so it doesn't shake or fall.
- When inspecting or transporting the tool, always unplug.
- Always use the tool carefully and safely at the best condition. Stop operation if you feel tired or under the influence of alcohol or drug. Resume after getting enough rest.
- Be careful not to get the body in contact with the blade or belt. It may result in severe injury.
- Do not leave the tool unattended while rotating.
- Do not become careless once you become familiar with the tool. Carelessness may lead to another accident.
- After work, always clean the tool and the work area.



d. Safety matters about tools.

- Please maintain the rotation speed at above 11000RPM. If the rotation speed is lowered, the surface of wood may not be smooth, and may bear too much load.
- Do not remove any safety devices or parts installed on product, but use them together. It can prevent any sudden accidents and protect your body.
- In case of any abnormality while using the product, stop immediately and inspect the product. If repair is needed, inquire qualified personnel or designated repair shops.
- If consumables are worn out or parts are broken, please use authentic parts.



**ORIGINAL PRODUCTS INSPECTED & PROVIDED  
BY MANPA TOOLS**