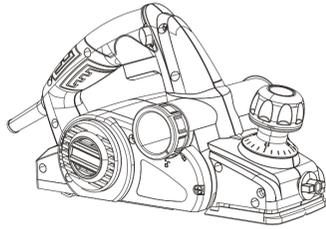


User Manual

TS-EP1



MADE IN CHINA



RoHS

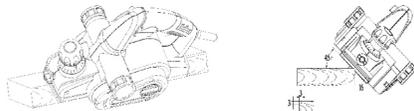


EC REP

SCHUEFER Technologies GmbH
Address: Hertleinstrasse 37, 91052, Erlangen, Germany
E-mail: Mark.Zhang@schuefer.com

UK REP

VISHTEC UK Co., Ltd
Address: Unit G25 Waterfront Studios, 1 Dock Road London, E16 1 AH
E-mail: Vincent.feng@vish-tec.com



The V-grooves in the front planer base plate allow quick and easy beveling of workpiece edges. Depending on required bevel width, use the corresponding V-groove. For this, place the planer with the V-groove onto the edge of the workpiece and guide it along the edge.

5.6 Planing with Parallel Guide

Insert the parallel guide 1 to the machine, and using the lock screw 2 fix the parallel guide, and then push the machine to work. Guide the planer applying sideward supporting pressure.
Maintenance and Service



5.7 Maintenance and Cleaning

◆ Before any work on the machine itself, pull the mains plug (accessory) can be used for smaller jobs. Insert the sleeve of the chip/dust bag firmly into the chip ejector. It can be connected to the chip ejector on both sides. Empty the chip/dust bag at regular intervals to maintain optimum dust collection. You also can connect a vacuum cleaner to your tool.
◆ For safe and proper working, always keep the machine and ventilate on slots clean. Ensure easy operation of the park rest, 8 and clean it regularly.
If the replacement of the supply cord is necessary, this has to be done by Bosch or an authorized Bosch service agent in order to avoid a safety hazard.

6. Disposal

The machine, accessories and packaging should be sorted for environmental-friendly recycling. Do not dispose of power tools into household waste!
Only for EC countries:



According to the European Directive 2012/19/EU for Waste Electrical and Electronic Equipment and its implementation into national law, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

Leading new generation tool

Contents

- General Power Tool Safety Warnings.....1
- Product Description and Specifications.....2
- Technical Data.....3
- Assembly.....3
- Operation.....4
- Disposal.....6

5.2 Park Rest



The park rest allows the machine to be set down directly after operation, without danger of damaging the working surface or the planer blade. While planing, the park rest 8 is tilted upwards thus enabling full contact of the rear part of the planer base plate.
Note: The park rest 8 may not be removed.

5.3 Starting Operation

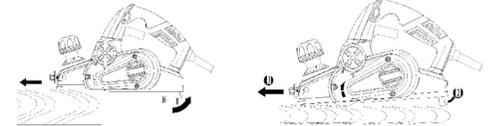
◆ Observe correct mains voltage! The voltage of the power source must agree with the voltage specified on the nameplate of the machine. Power tools marked with 230 V can also be operated with 220 V.
Switching On and Off

To start the machine, first push the lock-off button for the On/Off switch 6 and then press the On/Off switch 7 and keep it pressed.

To switch off the machine, release the On/Off switch 7. In an emergency, only switch the power tool on when using it.
Note: For safety reasons, the On/Off switch 6 can not be locked; it must remain pressed during the entire operation. To save energy, only switch the power tool on when using it.

5.4 Working Advice

Planing
Set the required planing depth and place the front part of the planer base plate against the workpiece.
◆ Before any work on the machine itself, pull the mains plug.
◆ Apply the machine to the workpiece only when switched on.
◆ Observe the risk of kickback when the cutting tool jams in the workpiece.
Switch the machine on and guide the machine with even feed over the surface to be planed.
To achieve high-grade surfaces, work only with low feed and apply pressure on the centre of the planer base plate. When machining hard materials (e.g. hardwood) as well as using the maximum planer width, set only low planing depths and secure planer feed, as required.
Excessive feed reduces the surface quality and can lead to rapid clogging of the chip ejector.
Only sharp blades allow the good cutting capacity and give the machine longer life.
The integrated park rest 8 also allows for continued planing at any given location on the workpiece after an interruption.
- With the park rest folded down, place the machine on the location of the workpiece where the planing is to be continued.
- Switch on the machine.
- Apply the supporting pressure onto the front part of the planer base plate and slowly push the machine forward.



(1), This tilts the park rest upward (2) so that the rear part of the planer base plate faces on the workpiece again. Guide the machine over the surface to be planed (3) with even feed.

5.5 Beveling Edges

◆ Do not reach into the chip ejector with your hands.

They could be injured by rotating parts.
To ensure optimum extraction of dust/chips, always work with external dust extraction or a chip/dust bag.

4.3.1 External Dust Extraction (See figure C)

When you wish to perform clean planing operation, a chip/dust bag (accessory) can be used for smaller jobs. Insert the sleeve of the chip/dust bag firmly into the chip ejector. It can be connected to the chip ejector on both sides. Empty the chip/dust bag at regular intervals to maintain optimum dust collection. You also can connect a vacuum cleaner to your tool.

4.3.2 Change of Chip Ejector Side

The chip ejector can be insert to the right or left side, if you want to change it to the right or left side, turning the chip pipe as the figure showed, and pull out it, and change to another side, insert it and lock of it.

4.4 Replacing Belt

When you need to change the belt, use a screwdriver to remove the screw in the belt cover 9, remove the cover belt, assemble the new one. Then tighten the screws, check the belt cover at the correct place or not.

5. Operation

CAUTION:
Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

5.1 Adjusting the Planing Depth

Depth of cut may be adjusted by simply turning the knob as the figure on the front of the tool so that the pointer points the desired depth of cut. The adjustment knob enables continuously variable adjustment of the planing depth from 0-2.0 mm using the planing depth scale (scale graduation = 0.25 mm).



Safety Notes

1. General Power Tool Safety Warnings
Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- ◆ Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- ◆ Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- ◆ Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- ◆ Electrical safety:
◆ Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
◆ Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
◆ Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
◆ Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts.
◆ Damaged or entangled cords increase the risk of electric shock.
◆ When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
◆ If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

Personal safety

- ◆ Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- ◆ Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-slip safety shoes, hand hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- ◆ Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, or plugging in the tool.
- ◆ Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- ◆ Remove any adjusting key or wrench before turning the power tool on.
- ◆ A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- ◆ Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- ◆ Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- ◆ If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- ◆ Power tool use and care:
◆ Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
◆ Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
◆ Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
◆ Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

English

- ◆ Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- ◆ Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- ◆ Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

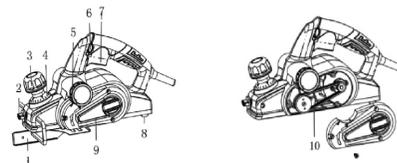
Service

- ◆ Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
- ◆ Planer Safety Rules
◆ Wait for the cutter to stop before setting the tool down. An exposed rotating cutter may engage the surface leading to possible loss of control and serious injury.
◆ Hold the power tool by insulated gripping surfaces only because the cutter may contact its own cord. Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
◆ Use clamps or a other practical way to secure and support the workpiece to a stable platform. Hold the work by your hand or against the body leaves it unstable and may lead to loss of control.
◆ Use suitable detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance. Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.
◆ Do not reach into the chip ejector with your hands. They could be injured by rotating parts.
◆ Apply the machine to the workpiece only when switched on. Otherwise there is danger of kickback when the cutting tool jams in the workpiece.
◆ When working, always hold the planer in such a manner that the planer base plate faces flat on the workpiece. Otherwise the planer can become wedged and lead to injuries.
◆ Never plane over metal objects, nails or screws. The planer blade and the blade shaft can become damaged and lead to increased vibrations.

2. Product Description and Specifications



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Intended Use
The machine is intended for planing of firmly supported wooden materials, such as beams and boards. It is also suitable for beveling edges and rearing.
Product Features
The numbering of the product features refers to the illustration of the machine on the graphics page.



- 1. Parallel guide
- 2. Lock screw
- 3. Depth adjustment knob
- 4. Planing depth scale
- 5. Chip ejector (alternately right/left)
- 6. Lock-off button for On/Off switch
- 7. On/Off switch
- 8. Park rest
- 9. Belt cover
- 10. Belt

* Accessories shown or described are not part of the standard delivery scope of the product. A complete overview of accessories can be found in our accessories program.

3. Technical Data

MODEL NO.: TS-EP1
Rated Voltage/Frequency: 120V/60Hz
Rated Input Power: 6A
No-load speed: 16520/min
Planing width Max: 87 MM
Planing depth: 0-2 MM
Weight: 2.96 kg

4. Assembly

- ◆ Before any work on the machine itself, pull the mains plug. Changing the Tool
◆ Be cautious when repairing the planer blades. Do not grasp the planer blades by the cutting edges. Possible danger of injury due to the sharp cutting edges of the planer blades. Use only original blades.
The blades 1 as 2 cutting edges and can be reversed. When both cutting edges are dull, the planer blade must be replaced. The blade may not be sharpened.

4.1 Disassembling the Planer Blade(s) (see figure A)

To reverse or replace the planer blade 14, rotate the blade drum 11 until it is parallel to the planer base plate 9.
Loosen the two fastening screws 13 with the hex key 15 by approx. 1-2 turns.
If necessary, loosen the clamping element 12 by giving it a light blow with a suitable tool (e.g. a wooden wedge).
Push the planer blade 14 sideways out of the blade drum 11 with a piece of wood.

4.2 Assembling the Planer Blade(s) (see figure B)

The guide groove of the planer blade always ensures continuous height adjustment when replacing or reversing it.
If required, clean the blade seat in the clamping element 12 and the planer blade 14.
When assembling the planer blade, ensure that it is seated properly in the blade holder of the clamping element 12 and is guided flush at the side edge of the rear planer base plate 9. Afterwards tighten the 2 clamping screws 13 again with the Hex key.

Note: Before restarting, check if the fastening screws 13 are tightened well. Rotate the blade drum 11 by hand and ensure that the planer blade does not quack.

4.3 Dust/Chip Extraction

- ◆ Dusts from materials such as lead-containing coatings, some wood types, mineral materials can be harmful to one's health. Touching or breathing in the dusts can cause allergic reactions and/or lead to respiratory infections of the user or bystanders.
Certain dusts, such as oak or beech dust, are considered as carcinogenic, especially in connection with wood-treatment additives (chromate, wood preservative). Materials containing asbestos may only be worked with specialists.
- As far as possible, use a dust extraction system suitable for the material.
- Provide for good ventilation of the working place.
- It is recommended to wear a P2 filter class respirator.
Observe the relevant regulations in your country for the materials to be worked.
Clean the chip ejector 1 regularly. Use a suitable tool (e.g. a piece of wood, compressed air, etc.) to clean a clogged chip ejector.