SCHEPPACH Universal 3in1 wall, floor and ceiling processing system Instruction Manual

Contents

SCHEPPACH Universal 3in1 wall, floor and ceiling processing system

Introduction

Manufacturer:

- scheppach
- Fabrikation von Holzbearbeitungsmaschinen GmbH
- Günzburger Straße 69
- D-89335 Ichenhausen

Dear Customer We hope your new tool brings you much enjoyment and success.

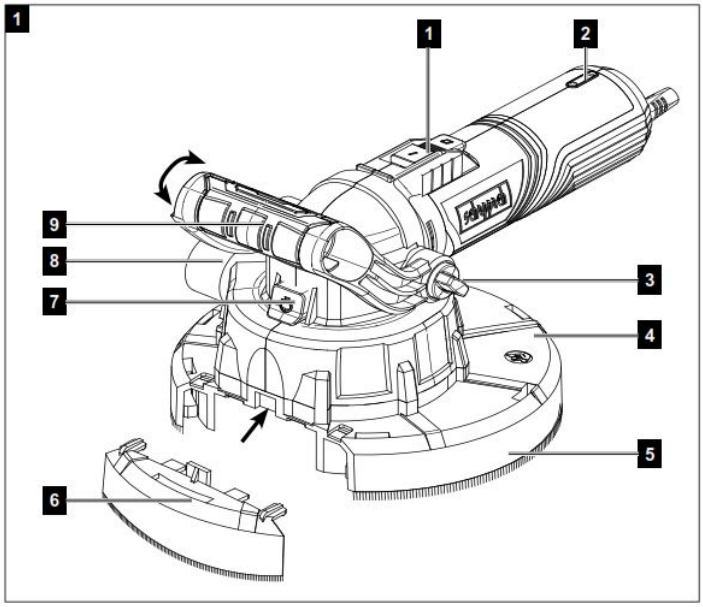
Note: In accordance with the applicable product liability laws, the manufacturer of this device assumes no liability for damage to the device or caused by the device arising from:

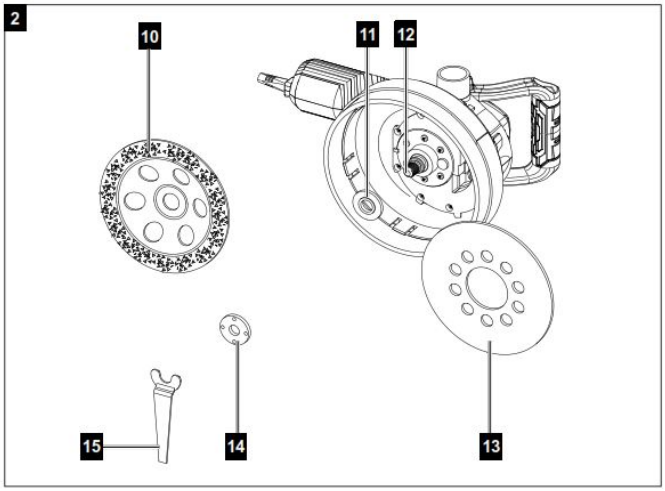
- Improper handling,
- Non-compliance with the operating manual,
- Repairs carried out by third parties, unauthorised specialists.
- Installing and replacing non-original spare parts
- Application other than specified
- Failure of the electrical system in the event of the electrical regulations and VDE provisions 0100, DIN 13 / VDE0113 not being observed

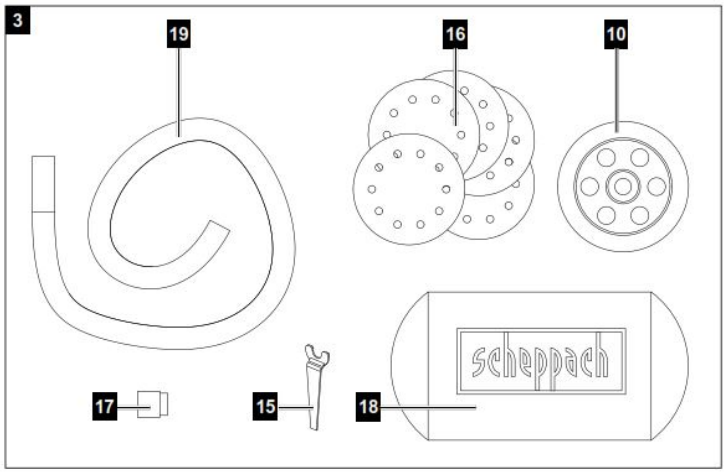
Please consider:

Read through the complete text in the operating manual before installing and commissioning the device.
The operating manual is intended to help the user to become familiar with the machine and take advantage of its application possibilities in accordance with the recommendations. The operating manual includes important instructions for safe, proper and economic operation of the device, for avoiding danger, for minimising repair costs and down times, and for increasing the reliability and extending the service life of the device. In addition to the safety instructions in this operating manual, you must also observe the regulations applicable to the operation of the device in your country. Keep the operating manual package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. They must be read and carefully observed by all operating personnel before starting the work. The device may only be used by personnel who have been trained to use it and who have been instructed with respect to the associated hazards. The required minimum age must be observed. In addition to the safety instructions in this operating manual and the separate regulations of your country, the generally recognized technical rules relating to the operation of such machines must also be observed. We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

Device description







1. ON/OFF switch
2. Speed adjustment buttons (+/–)
3. Wing screws for additional handle adjustment
4. Protection and extraction cover
5. Brush rim
6. Cover segment
7. Spindle lock button
8. Extraction port

9. Additional grip
10. Carbide cup wheel
11. Receptacle flange
12. Grinding spindle
13. Grinding wheel
14. Clamping nut
15. Two-hole assembly key
16. Sandpaper
17. Adapter (dust extraction)
18. Dust bag
19. Extraction hose

Scope of delivery

- 1 wall, floor and ceiling machining system
- 1m vacuum hose (extendable to 3.5m)
- 1 dust bag (25 L)
- 1 adapter (dust extraction)
- 6x sandpaper (2x 40 – 80 – 120 each)
- 1 carbide cup wheel (YG8)
- 1 two-hole assembly key
- 1 operating manual

Proper use

The intended use of this power tool includes the following activities:

- Dry grinding of coatings.
- Removal of paint, wallpaper and adhesive residues.
- Removal of tile adhesive and dry carpet adhesive residues from hard substrates (hard plaster, concrete).
- Dry grinding and smoothing of concrete, plaster and screed.
- Perforating wallpaper on hard substrates.
- Grinding of filled dry wall.
- Smoothing of form work transitions and roughening of concrete surfaces.
- Dry grinding of walls and ceilings indoors and outdoors.
- Dry surface sanding of metal, stone and wood.

The machine may only be used in the intended manner. Any use beyond this is improper. The user / operator , not the manufacturer, is responsible for damages or injuries of any type resulting from this. An element of the intended use is also the observance of the safety instructions, as well as the assembly instructions and operating information in the operating manual. Persons who operate and maintain the machine must be familiar with it and must be informed about potential dangers.In addition, the applicable accident prevention regulations must be strictly observed. Other general occupational health and safety-related rules and regulations must be observed. The liability of the manufacturer and resulting damages are excluded in the event of modifications of the machine. The machine may only be operated with original parts and original accessories from the manufacturer. The safety, operating and maintenance specifications of the manufacturer, as well as the dimensions specified in the technical

data, must be observed. Please observe that our equipment was not designed with the intention of use for commercial or industrial purposes. We assume no guarantee if the equipment is used in commercial or industrial applications, or for equivalent work. The device is intended for use by adults. Children over the age of 16 may use the tool except under supervision. The manufacturer is not liable for damage caused by an improper use or incorrect operation of this device. Save all warnings and instructions for future reference.
The term “power tool” used in the safety instructions refers to mains-powered electrical tools (with a mains cable) and battery-powered electrical tools (without a mains cable).

Workplace safety

- Keep work area clean and well lit. Disorganised and unlit work areas can result in 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 may cause you to lose control of the device.

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 use the cable for another purpose, for example, carrying or hanging the power tool or pulling the plug out of t he socket . Keep t he cable away from heat , oil, sharp edges or moving device par ts. Damaged or coiled cables increase the risk of an electric shock.
- If you work with an electric tool outdoors, only use extension cables that are also permitted for outdoor use. Using an extension cable suitable for outdoor use reduces the risk of an electric shock.
- If you cannot avoid using the electrical tool in a wet environment , use a fault- current circuit breaker. Use of an RCD reduces the risk of electric shock.

Personal safety

- Always remain attentive, pay attention to what you are doing and be sensible when working with electric tools. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of carelessness when using electrical tools can result in serious injuries.
- Use personal protective equipment. Always wear eye protection. Wearing personal protective equipment, such as dust masks, anti-slip safety shoes, safety helmet or hearing protection, depending on the type and use of the electric tool, reduces the risk of injuries.
- Prevent unintentional starting. Make sure the switch is in the off- position before connecting t o t he power supply, picking up or carrying t he electric tool. Keeping your finger on the switch when carrying the electric tool or having the device already switched on when connecting it to the power supply may result in accidents.
- Remove any adjusting key or wrench before turning the power tool on. A tool or spanner that is located in a rotating device part may result in injuries.
- 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 jewellery. Keep hair, clothing and gloves away from moving par ts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If dust extraction and collection devices can be mounted, make sure that they are connected and used properly. Use of dust collection can reduce dust-related hazards.
- Do not allow yourself to be lulled into a false sense of security and do not ignore the safety rules for electric tools, even when you have used it many times and have become familiar with it. A careless action can cause severe injury within a fraction of a second.

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.
- Remove the plug from the socket before setting the device, changing accessories or putting the device away. 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 let people use the device who are not familiar with it or who have not read these instructions. Power tools are dangerous in the hands of untrained users.
- Maintain the electric tool with care. Check whether moving parts function properly and do not get stuck and whether par ts are broken or are damaged and thus adversely affect the electric tool function. Have damaged par ts repaired before using the device. 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 per formed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- Keep the gripping surfaces dry, clean and free of oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Service

- Have your power tool ser viced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Safety instructions for all applications

Common safety instructions for grinding and sandpaper grinding:

- This electric tool is to be used as a grinder and sandpaper grinder. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to observe the following instructions may result in electric shock, fire and / or serious injury.
- This electric tool is not suitable for working with wire brushes, polishing, and cut-off grinding. Operations for which the power tool was not designed may create a hazard and cause personal injury.

- Do not use accessories that are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.
- The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories that rotate faster than permitted can break and fly off at high speed.
- The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.
- Insert tools with threaded inserts must fit exactly on the thread of the grinding spindle. For insert tools that are mounted by means of a flange, the hole diameter of the insert tool must match the mounting diameter of the flange. Insert tools that are not precisely attached to the electric tool rotate unevenly, vibrate very strongly and can cause a loss of control.
- Do not use a damaged accessory. Before each use, check insert tools such as grinding discs for chipping and cracks, grinding wheels for cracks, wear or heavy wear. If a power tool or accessory is dropped, inspect for damage or install an undamaged accessory. Once you have checked and used the insert tool, ensure that you and all other persons in the vicinity remain outside the plane of the rotating insert tool and allow the device to run for one minute at the maximum speed. Damaged insert tools usually break during the test period.
- Wear personal protective equipment. Depending on the application, use a face shield, safety goggles or safety glasses. Where appropriate, wear a dust mask, hearing protection, protective gloves or a special apron that will keep small grinding and material particles away from you. The eye protection must be capable of stopping flying debris generated by various operations. Dust or breathing masks must filter the dust generated during use. Prolonged exposure to high-intensity noise may cause hearing loss.
- Keep bystanders a safe distance away from the work area. Anyone entering the work area must wear personal protective equipment. Fragments of the workpiece or broken insert tools can fly away and cause injuries even outside the direct working range.
- When performing work during which the insert tool can meet with concealed power lines or its mains cable, only hold the electric tool by the insulated gripping surfaces. Contact with a live power line can also electrify metal device parts and lead to an electric shock.
- Position the cord clear of the spinning accessory. If you lose control of the device, the main cable can be severed or caught and your hand or arm pulled into the rotating insert tool.
- Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.
- Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- Regularly clean the power tool’s air vents. The motor’s fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- Do not operate t he power tool near flammable materials. Sparks could ignite these materials.
- Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

Kick-back and corresponding safety instructions

Kick-back is the sudden reaction resulting from a caught or jammed rotating insert tool, such as a grinding disc, grinding wheel, wire brush, etc. Catching or jamming results in the rotating insert tool stopping abruptly. As a result, an uncontrolled electric tool is accelerated against the direction of rotation of the tool attachment at the blocking point.For example, if a grinding disc catches or jams in the workpiece, the edge of the grinding disc that plunges into the workpiece can get caught, causing the grinding disc to break away or kick back. The wheel may

either jump toward or away from the operator, depending on the direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions. Kickback is the result of incorrect or deficient use of the electrical tool. It can be prevented by suitable precautionary measures, as described in the following.

1. Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use an auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces if proper precautions are taken.
2. Never place your hand near the rotating accessory. The accessory may kick back over your hand.
3. Do not position your body in the area where the power tool will move if kickback occurs. Kickback will propel the tool in a direction opposite to the wheel's movement at the point of snagging.
4. Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. The rotating tool attachment tends to jam at corners, sharp edges or when it bounces back. This causes a loss of control or kickback.
5. Do not attach a saw chain woodcarving blade or toothed saw blade. Such blades create frequent kickback and loss of control.

Special safety instructions for grinding:

1. Only use the grinding bodies approved for your electric tool and the protective cover provided for these grinding bodies. Grinding bodies that are not intended for the electric tool cannot be adequately shielded and are unsafe.
2. Cranked grinding discs must be mounted so that their grinding surface does not protrude above the plane of the protective cover edge. An improperly mounted grinding disc that protrudes above the level of the protective cover edge cannot be adequately shielded.
3. The protective cover must be securely attached to the electric tool and, for maximum safety, adjusted so that the smallest possible part of the grinding body is open and facing the operator. The protective cover helps to protect the operator from fragments, accidental contact with the grinding body and sparks that could ignite clothing.
4. Grinding bodies may only be used for the recommended applications.For example: Never grind on the side surfaces of a cutting wheel. Cutting wheels are designed to remove material with the edge of the disc. Lateral forces on this grinding body can break it.
5. Always use undamaged clamping flanges of the correct size and shape for the grinding disc selected by you. Suitable flanges support the grinding disc and reduce the danger of the grinding disc breaking. Flanges for cut ting wheels may differ from flanges for other grinding discs.
6. Do not use worn grinding discs from large electric tools. Grinding discs for larger electric tools are not designed for the higher speeds of smaller electric tools and can break.

Additional safety instructions for sandpaper grinding

1. Do not use excessively oversized sanding disc paper. Follow manufacturer's recommendations, when selecting sanding paper. Sanding sheets that protrude beyond the grinding wheel can cause injuries as well as jamming, tearing of the sanding sheets or kick-back.

Additional safety instructions

- Use the appropriate detection devices in order to detect hidden supply lines or consult the local utility company. Contact with electrical lines can result in fire and electric shock. Damage to a gas line can lead to an explosion. Penetrating a water pipe causes property damage or may cause an electric shock.
- Unlock the on/off switch and move it to the off position if the power supply is interrupted, e.g. by a power failure or unplugging the mains plug. This prevents an uncontrolled restart.
- Only use the electric tool for dr y grinding. Water entering a power tool will increase the risk of electric shock.
- Only run the electric tool against the workpiece when it is switched on and only switch it off after you have lifted it off the workpiece. The electric tool may move suddenly.
- Make sure that no persons are endangered by flying sparks. Remove combustible materials from the vicinity. When grinding metals, flying sparks occur.
- Do not use worn, torn or heavily clogged grinding tools. Damaged grinding tools can tear, be thrown away and injure someone.
- Do not use cutting or grinding discs or cup brushes. The electric tool is not suitable for use with these insert tools. There is a danger of injury!
- Always use the supplied suction hose and a suitable dust extraction unit when operating the electric tool. Using a dust extraction unit can reduce hazards caused by dust.
- **Attention:** Risk of fire! Avoid overheating the grinding material and the grinder. Always empty the dust tank before work breaks. Grinding dust in the dust bag, microfilter, paper bag (or in the filter bag or filter of the vacuum cleaner) can self-ignite under unfavorable conditions, such as flying sparks when grinding metals. There is a particular danger if the grinding dust is mixed with paint, polyurethane residues or other chemical substances and the sanding material is hot after working for a long time.
- Hold the electrical tool firmly with both hands and ensure firm footing. It is safer to guide the electrical tool with two hands.
- Wear hearing protection, safety goggles, dust mask and gloves if necessary. Use at least a particle filtering half mask of class FFP 2 as a dust mask.
- Use a dust extraction unit when machining stone. The vacuum cleaner must be permitted to extract stone dust. The use of these devices reduces dust hazards.
- Do not touch insert tools until they have cooled down. The insert tools become very hot when working.
- Wear protective gloves when changing the insert tools. Insert tools become warm during prolonged use.
- Do not machine materials that release hazardous substances, e.g. beech wood or oak wood dust, rock dust or asbestos. These substances are considered carcinogenic.
- Inform yourself about the valid regulations/laws regarding the handling of dusts hazardous to health in your country.
- Never touch the grinding tool when it is running. There is a danger of injury.
- If necessary, use scaffolding to work on. When working on a ladder, it is not possible for you to have a firm footing.

  Warning! This power tool generates an electromagnetic field during operation.This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the power tool.

Residual risks

The machine has been built according to the state-of-the-art and the recognized technical safety requirements.

However, individual residual risks can arise during operation.

- Health hazard due to electrical power, with the use of improper electrical connection cables.
- Furthermore, despite all precautions having been met, some non-obvious residual risks may still remain.
- Residual risks can be minimized if the “Safety information” and the “Proper use” together with the operating manual as a whole are observed.
- Avoid accidental starting of the machine: the operating button may not be pressed when inserting the plug in an outlet.
- Keep your hands away from the work area, when the machine is in operation.

Technical data

- **Nominal voltage:** 230 V~
- **Nominal frequency:** 50 Hz
- **Power consumption:** 1050 W
- **Nominal speed (oscillation rate) n:** 410 – 1900 rpm
- **Thread dimension**: M14
- **Grinding disc diameter:** 180 mm
- **Protection class:** II
- **Weight:** 4 kg
- **Device emissions values:**
  - **Sound pressure level L:** 90.53 dB(A)
  - **Sound power level L**: 101.53 dB(A)
  - **Uncertainty K:** 3 dB(A)
- **Hand-arm vibration:**
  - **Surface grinding** a h4.211 m/s2
  - **Uncertainty K**: 1.5 m/s2
- Technical changes reserved!

Noise and vibration
Warning: Noise can have serious effects on your health. If the machine noise exceeds 85 dB (A), please wear suitable hearing protection.
Note: The vibration level specified in these instructions has been measured based on a standardized measurement procedure and can be used for unit comparison. The specified vibration emission value can also be used for an initial estimation of the exposure.
Warning!
The vibration level will vary depending on the use of the electric tool and may in some cases be higher than the value specified in these instructions. The vibration load could be underestimated if the electric tool is regularly used in such a way. Try to minimize stress from vibrations as low as possible. Some examples of means for reducing the vibration stress are wearing gloves while using the tool and limiting work time. In doing so, all parts of the operating cycle must be taken into account (such as times in which the electric tool is switched off or times in which it is switched on, but is not running under a load).

Unpacking

- Open the packaging and carefully remove the device.
- Remove the packaging material, as well as the packaging and transport safety devices (if present).

- Check whether the scope of deliver y is complete.
- Check the device and accessory par ts for transport damage. In the event of complaints, the carrier must be informed immediately. Later claims will not be recognised.
- If possible, keep the packaging until the expiry of the warranty period.
- Familiarise yourself with the product by means of the operating instructions before using for the first time.
- With accessories as well as wearing parts and replacement parts use only original parts. Replacement parts can be obtained from your dealer.
- When ordering please provide our article number as well as type and year of manufacture for your equipment.

WARNING!

The device and the packaging material are not children’s toys! Do not let children play with plastic bags, films or small par ts! There is a danger of choking or suffocating!

Before commissioning

Warning!
Unplug the mains plug from the socket before carrying out any work on the device!

Caution!
Wear protective gloves when changing tools. There is a danger of injury if the insert tools are touched.

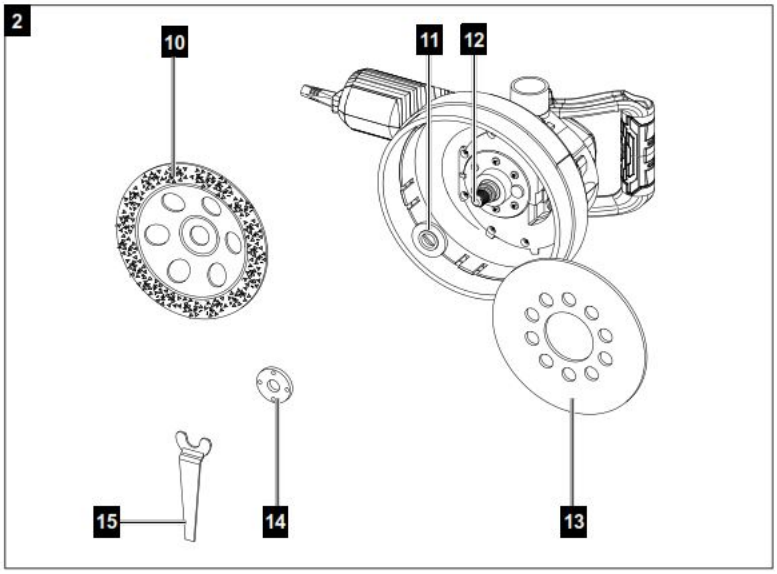
Depending on the material to be machined and the desired removal of the surface, different insert tools are available.
Note: Do not put the device down without the insert tool (grinding wheel, carbide cup wheel, etc.) mounted. The brush rim (5) may bend and be damaged.

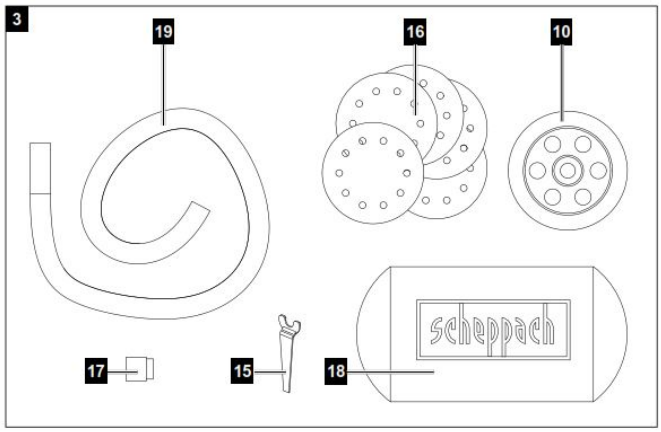
Changing sanding sheets

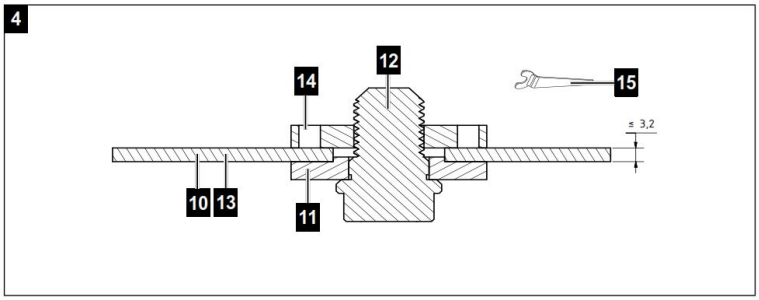
The surface of the grinding wheel (13) is made of a Velcro fabric so that you can attach sanding sheets (16) with Velcro quickly and easily.

- Before fit ting a new sanding sheet (16), remove dirt and dust from the grinding wheel (13), e.g. with a brush.
- Place the sanding sheet (16) flush against the edge of the grinding wheel (13). Then place the sanding sheet on the grinding wheel (13) and press it firmly. Make sure that the suction holes on the sanding sheet (16) and grinding wheel (13) match.
- To remove the sanding sheet (16), lift it sideways and pull it off the grinding wheel (13).

Fitting/replacing the insert tool







WARNING! Only operate the spindle locking button (7) when the grinding spindle (12) is stationary. Otherwise the device may be damaged.

- Only use carbide cup wheels (10) with a flat grinding surface.
- Clean the grinding spindle (12) and all par ts to be mounted.
- To clamp and release the insert tool, press the spindle lock button (7) to lock it.
- To attach the insert tool, place the mounting flange (11) on the grinding spindle (12).
- Place the desired insert tool on the grinding spindle (12).
- Screw on the clamping nut (14) and tighten it with the two-hole assembly key (15).

  NOTE Make sure that the collar of the clamping nut (14) points outwards.

Fitting the dust extraction unit

Dusts from materials such as paint containing lead, some types of wood, minerals and metal can be harmful to health. Touching or inhaling the dust can cause allergic reactions and/or respiratory diseases in the user or

persons in the vicinity. Certain dusts such as oak or beech dust are considered carcinogenic, especially in combination with additives for wood treatment (chromate, wood preservatives). Material containing asbestos may only be processed by specialists.

- Always use a dust extraction unit.
- Operate the electric tool either with the dust bag (18) or a vacuum cleaner of dust class M.
- Make sure that the work area is well-ventilated.
- It is recommended to wear respirators with filter class P2.
- Avoid kinking the suction hose (19). Observe the regulations applicable in your country for the materials to be machined.
- Connect the inlet side of the suction hose (19) onto the suction port (8).
- Now connect the outlet side of the suction hose (19) to the dust bag (18). Connect the outlet side of the suction hose (19) into the suction port of the dust bag (18) until the two push buttons of the suction hose (19) engage.
- To disassemble the suction hose (19), first press the push buttons on the sides of the suction hose (19). Pull the suction hose (19) off the suction por t (8).

Fitting the adapter for third- party extraction

- If necessary, connect the dust extraction adapter to the suction port.
- Connect an approved dust extraction unit.
  NOTE: When working with wood or materials that generate dust that is hazardous to health, the device must be connected to a suitable, tested extraction device.

Adjusting the additional grip

The inclination of the additional grip (9) can be adjusted. This is used to achieve a more favourable working posture of the guide hand during certain applications (e.g. when grinding close to the edge).

- Loosen the two wing screws and tilt the additional grip to the desired working position.
- Retighten the wing screws.

Working instructions

Attention !: Always make sure the device is fully assembled before commissioning!
WARNING !: Unplug the mains plug from the socket before carrying out any work on the device! Wait until the device has come to a standstill before setting it down.

The removal rate and the surface quality are essentially determined by the choice of grinding tool, the preselected speed level and the contact pressure.
Only perfect grinding tools provide good grinding performance and protect the device.

Grinding

- Hold the device firmly with both hands and ensure firm footing. It is safer to guide the device with two hands.
- Connect your extraction system (own or third-party extraction).
- With third-party extraction: If possible, work with the remote switch- off or automatic start /stop function of the vacuum cleaner. The vacuum cleaner switches on automatically and switches off again with a time delay to

remove residual dust from the vacuum hose.

- Switch the device on. Place it with the entire grinding surface on the surface to be machined. Move it over the workpiece with moderate pressure.
- Ensure even contact pressure to increase the service life of the insert tools.
- Excessively increasing the contact pressure does not lead to a higher removal rate, but to greater wear of the device and the insert tool.
- Lift the device from the surface.
- For in-house extraction: Let the electric tool run for a few more seconds to remove any remaining dust from the suction hose (19).

Grinding close to the edge (Fig. 5, 6)
A cover segment (6) of the protection and extraction bonnet (4) can be removed for grinding close to the edge. This allows the inser t tool to reach closer to floor, wall and ceiling edges as well as existing installations such as pipes. The adjacent surfaces can thus be precisely machined.
Expect dust to be generated during this work, as the protective and extraction cover (4) is no longer closed.

- Pull the cover segment (6) forwards out of the protection and extraction cover (4).
- Machine the areas near the edges.
- Put the cover segment (6) back on the extraction cover (4) until it clicks into place.

Operation

 Direction of rotation of the tool!
Switching on
To switch on the device, slide the on/off switch (1) forward. To lock the on/off switch (1), press the on/off switch (1) down at the front until it clicks into place.

Switching off
To switch off the electric tool, release the on/off switch (1). If it is locked, press the on/off switch (1) in the rear area briefly and then release it.

Adjusting the speed
Before starting work, set the speed to suit the application. Use a low speed for coarse grinding work, increase the speed for fine work.

- Adjust the speed by pressing the buttons (2).
- Press the + button (2) to increase the speed.
- Press the – button (2) to decrease the speed.

NOTE: The insert tool rotates after it has been switched off. Wait until the insert tool has come to a standstill before putting the device down.

Electrical Connection

The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions.The customer‘s mains connection as well as the ex- tension cable used must also comply with these regulations.

Damaged electrical connection cable
The insulation on electrical connection cables is often damaged.

This may have the following causes:

- Pressure points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation ageing. Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Ensure that the connection cables are disconnected from electrical power when checking for damage.

Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use connection cables of the same designation.

The printing of the type designation on the connection cable is mandatory.

For single-phase AC motors, we recommend a fuse rating of C 16A or K 16A for machines with a high starting current (from 3000 watts)!

Cleaning and maintenance

WARNING ! Switch off the device and pull out the mains plug before carrying out any work on the device.

- Keep protective devices, air vents and the motor housing as free of dust and dirt as possible. Rub the device clean with a clean cloth or blow it off with compressed air at low pressure.
- We recommend that you clean the device directly after every use.
- Clean the device at regular inter vals using a damp cloth and a little soft soap. Do not use any cleaning products or solvents; they could attack the plastic parts of the device. Make sure that no water can penetrate the device interior. Water entering a power tool will increase the risk of electric shock.

The device has no further internal parts that require maintenance.

Empty dust bag
To ensure optimum dust extraction, empty the dust bag (18) in good time.

- Open the zip of the dust bag (18).
- Shake out the dust bag (18) over a suitable waste container.

Service information
With this product, it is necessary to note that the following parts are subject to natural or usage-related wear, or that the following parts are required as consumables.
Wearing parts*: Carbon brushes, switch
* may not be included in the scope of supply!

Connections and repairs
Connections and repair work on the electrical equipment may only be carried out by electricians.
Please provide the following information in the event of any queries:

- Type of current for the motor
- Data of machine type plate

Spare parts and accessories can be obtained from our service centre. To do this, scan the QR code on the cover page.

Storage

Store the device and its accessories in a dark, dry and frost-free place that is inaccessible to children. The optimum storage temperature lies bet ween 5 and 30 ˚C. Store the power tool in its original packaging. Cover the power tool to protect it from dust or moisture. Store the operating manual with the power tool.

Disposal and recycling

The device is supplied in packaging to avoid transport damages. This packaging is raw material and can thus be used again or can be reintegrated into the raw material cycle. The device and its accessories are made of different materials, such as metals and plastics. Take defective components to special waste disposal sites. Check with your special i st deal er or municipal administration!

Old devices must not be disposed of with household waste!
This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE). This product must be handed over at the intended collection point. This can be done, for example, by returning it when purchasing a similar product or delivering it to an authorised collection point for the recycling of old electrical and electronic devices. Improper handling of waste equipment may have negative consequences for the environment and human health due to potentially hazardous substances that are often contained in electrical and electronic equipment. By properly disposing of this product, you are also contributing to the effective use of natural resources. You can obtain information on collection points for waste equipment from your municipal administration, public waste disposal authority, an authorised body for the disposal of waste electrical and electronic equipment or your waste disposal company.

Troubleshooting

The following table shows fault symptoms and describes remedial measures in the event of your machine failing to work properly. If you cannot localise and rectify the problem with this, please contact your service workshop.

Fault	Possible cause	Remedy
Power tool does not start	Power supply interrupted	Check power supply by connecting another power tool
	Power cord or plug defective	Have an electrician check the tool
	Other electrical defect of the electric tool	Have an electrician check the tool
Power tool does not operate with full power	Extension cord too long and/or cross-section too small	Use extension cord with permissible length and/or adequate cross-section
	Power supply (e.g. generator) voltage is too low	Connect power tool to an appropriate power supply
Poor operation results	Accessory worn out	Have accessory replaced
	Sanding plate worn out	Have sanding plate replaced
Considerable dust formation	Brush edge worn out	Have brush edge replaced
	Dust extraction not connected/ switched on	Connect / switch on dust extraction

Documents / Resources

	SCHEPPACH Universal 3in1 wall, floor and ceiling processing system [pdf] Instruction Manual CGP1200, Universal 3in1 wall floor, ceiling processing system

References

- S pach.com - This website is for sale! - pach Resources and Information.
- scheppach | scheppach
- Kontakt & Service | scheppach | scheppach