



ROKAMAT PIRANHA Miller

High Speed Miller for abrasive joints

TRANSLATION OF THE ORIGINAL INSTRUCTIONS

WARNING Read and follow all safety warnings and instructions to prevent operating errors and to reduce the risk of injury. Failure to follow all safety warnings and instructions may result in electric shock, fire and/or serious injury.

Keep all safety instructions and information for future reference.

Pass on your power tool only together with these documents..

ROKAMAT PIRANHA Miller is state of the art and has been constructed in accordance with the acknowledged safety regulations.

Technical Data:

Tool n ₀ :	7000 - 27500 min ⁻¹
Motor:	230 V ~ 1500 W
Weight tool:	2,5 kg
Router bit-ø:	6/8/10 mm
Safety class	II

Reference-No. 90000

Valid from serial No. 15PM0021

Specified Use

ROKAMAT PIRANHA Miller is intended to cut joints e.g. refurbishing of clinker brick respectively for cutting slots into abrasive joints without the use of water.

Use only original ROKAMAT router bits.



ATTENTION Operate the PIRANHA Miller only in connection with an appropriate vacuum cleaner. We recommend: Vacuum Cleaner ISP iPulse with fine filter system (dust class M).

The user bears sole responsibility for any damage caused by inappropriate use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

Special Safety Instructions



WARNING Wear ear protection at a sound pressure above 85 dB(A).

- Wear personal protective equipment: goggles, dust mask, ear protection, protective gloves, and, non-slip safety shoes. If dust is hazardous, wear a **dust mask** in accordance with DIN/EN 149. **Recommended filter class: P2**
- Ensure that you have a firm footing (especially on scaffolding).
- Operate the machine with dust extraction only; provide good ventilation in the work place. Do not machine materials containing asbestos, lead paint or other harmful substances.
- Only use tools sharp-edged and in perfect condition. Decrease in work progress is noticeable whilst using worn tools.
- Observe valid national regulations for the described intended use of the machine.
- Ensure that the working range/area is free of obstructions. For longer joints, the vacuum cleaner must be guided along in time, without obstructions in the path
- **Always hold the machine firmly with both hands. Keep your hands away from the cutting area.**



CAUTION Use the machine only with mounted protective hood.

Commissioning

Unpack machine and accessories and check the delivery for completeness and transport damage.



CAUTION Before plugging in the device, check to see that the rated mains voltage and mains frequency, as specified on the rating label, match your power supply.

1. Connect the machine with the suction hose of the vacuum cleaner.
2. Check that the machine is switched off.
3. Switch on the vacuum cleaner.
4. Switch on the motor to reach idle speed and to accelerate the router bit up to the required rotational speed.
5. Open the side handle and dip the router bit into the joints. Lock the handle again at the desired milling depth.



Exchanging router bits



ATTENTION Before working on the power tool: pull the mains plug from the socket.
Be careful when changing the tool: router bits can be hot.

Use only original ROKAMAT router bits

1. Hang out the protective hood by tipping.
2. Loosen the nut of the collet with both fork wrenches.
3. Exchange router bits and introduce the new bit into the collet until the internal stop.
4. Tighten collet again.
5. Mount protective hood.

Never tighten the collet without a mounted router bit.
The collet may otherwise be damaged.

Exchanging joint guidance:

For easy guiding in the joint PIRANHA Miller has got a joint guidance at its underside.

The joint guidance can be adapted to the width of a joint.

1. Unscrew both screws of the joint guidance.
2. Exchange the guidance and screw it on.



Connecting Vacuum Cleaner



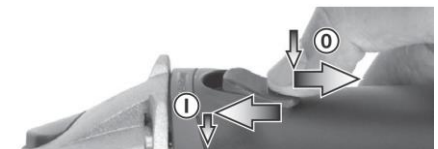
ATTENTION Operate the Miller only in connection with an appropriated vacuum cleaner.

1. Connect the suction hose.
2. To prevent the power cord from tangling with the suction hose, fix both together with the enclosed holder for exhausting hose.



Switching on/off

- ① Switching on: Push the slide switch forward.
For continuous activation, now tilt downwards until it engages.
- ② Switching off: Press the rear end of the slide switch and release it.



Adjusting the Speed

Set the recommended speed at the thumbwheel.
(small number = low speed; large number = high speed)



Working Directions



ATTENTION Do not overload the motor for a long period. Engine noise should be regular (not wave-like). Unsteady engine performance can be perceived acoustically.

Take a break when the machine is strongly heated up and let it cool down again. Run the motor at top speed and **idling** for a short period, in order to achieve maximum cooling.

- Make sure that subsurface and joint are free from obstacles (e.g. screws).
- Keep hold of the machine with both hands and perform steady feed with **slight pressure**.



CAUTION Don't bend the protective hose.

Conversion to PIRANHA Cutter:

With tool head **PIRANHA Cutter** (No. 90290) the machine can be converted quickly and simply to a high speed miller with cutting discs.

1. Detach the flexible drive shaft from PIRANHA Miller as described in paragraph Repairs.
2. Finally, insert the drive shaft into the tool head of PIRANHA Cutter.



IMPORTANT: Read the enclosed instruction manual of PIRANHA Cutter before using this tool head.

Troubleshooting



The **electronic signal display (LED) lights up and the load speed decreases**. There is too much load on the machine! Run the machine in idling speed (for cooling down) until the electronics signal indicator switches off.



The **electronic signal display (LED) flashes and the machine does not start**. The restart protection is active. If the mains plug is inserted with the machine switched on, or if the power supply is restored following an interruption, the machine does not start up. Switch the machine off and on again.

Maintenance and Care



CAUTION Prior to any work at the power tool: Pull the mains plug from the socket.

During operation particles may deposit inside the motor gradually. This impairs the cooling. Vacuum ventilation ducts and motor regularly, often and thoroughly through all front and rear air slots or blow them out with dry air. Wear protective glasses and dust mask.

Carbon brushes:

When the carbon brushes are worn out, their cut-out automatic will interrupt the supply of current and the machine will stop. Therefore a constant observance for wear and tear of the carbon brushes is not necessary.

Only qualified electricians may exchange carbon brushes. Use only genuine ROKAMAT carbon brushes and spare parts. Exchange carbon brushes always **in pairs**.

After every other exchange of carbon brushes the ROKAMAT motor should be checked and cleaned carefully. Have the work carried out by an appropriately equipped specialist's workshop.

Repairs



CAUTION Repairs at electrical tools may be carried out only by qualified electricians.

Describe the fault you discovered. **Use only genuine ROKAMAT spare parts**, otherwise warranty will become invalid. Cutting wheels, flexible drive shaft and gear-wheel are not covered by warranty.

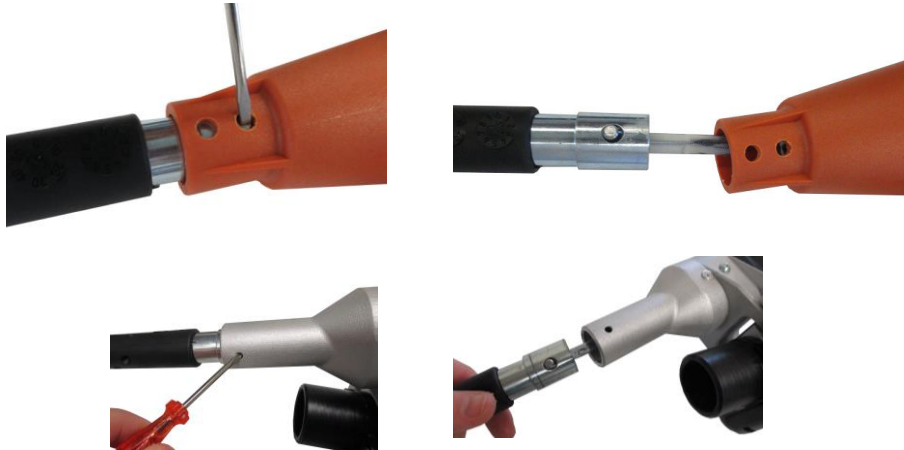
Safety clutch

The gearbox of the ROKAMAT motor is fitted with an automatic safety clutch. This safety clutch protects motor and gears of the ROKAMAT Machine largely against damage by overloading, increases service life of the tool discs and the flexible drive shaft and decreases the risk of accidents at work.

Exchanging the flexible drive shaft:

1. Twist the drive shaft until the push button appears through the borehole (at both ends)
2. Press down the push button (at the gear cap of the motor and at the tool holder)
3. Unplug the drive shaft at both sides
4. Insert the new drive shaft again into motor and tool holder. Take care that the shaft core snaps into the square.

The 2 boreholes for the push button at the drive shaft serve as length adjustment between shaft core and protective hose. **The shaft core should be freely movable in length and must not get compressed.**



Disposal Informations

Observe national regulations on environmentally compatible disposal and on the recycling of disused machines, on packaging and accessories. Render worn out power tools unusable by removing the power cord.



For EU countries: Never dispose of power tools in your household waste! According to the European directive 2002/96/EC for used electric and electronic devices and according to national regulations, used electric tools must be collected separately and treated in an environmentally compatible way for re-use.

CE-Declaration of Conformity

Manufacturer: Kammerer GmbH An der B10 / Postfach 1103 / D-75196 Remchingen-Wilferdingen

Product: **ROKAMAT PIRANHA Miller** High Speed Miller for abrasive joints (type 1500W – see Technical Data)

The PIRANHA Miller is in compliance with the stipulations set forth in the following European directives and corresponding supplementary guidelines: **2004/108/EC, 2006/42/EC, and 2006/95/EC.**

Compliance of the designated product with the rules of the directive is proven by complete adherence to the following standards: **EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3, and EN 60745.**

Noise level: L_p = 90 dB(A), L_w = 101 dB(A), K = 3 dB(A)

Vibration level: 1,5 m/s², K = 1,5 m/s²

B. Kammerer
Remchingen-Wilferdingen, 1st August 2015

General Power Tool Safety Warnings



WARNING 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.



1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.



2) Electrical safety

- a) **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.
- b) **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.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **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 or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **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.
- f) **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.



3) Personal safety

- a) **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.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **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.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **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.



4) Power tool use and care

- a) **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.
- b) **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.
- c) **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.
- d) **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.
- e) **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.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **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.



5) Service

- a) **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.



Safety Warnings for Angle Grinder



a) **This power tool is intended to function as a cut-off tool.**

Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

b) **When working with the machine, always hold it firmly with both hands and provide for a secure stance.**

The power tool is guided more secure with both hands.

c) **Hold power tool by insulated gripping surfaces, because the milling Miller may contact its own cord.**

Cutting a "live" wire may make exposed metal parts of the power tool "live" and shock the operator.

d) **The allowable speed of the milling Miller must be at least as high as the maximum speed listed on the power tool.**

Accessories that rotate faster than permitted can be destroyed.

e) **Cutting wheels must fit exactly in the tool holder (collet) of your machine.** Cutting wheels that do not fit precisely in the tool holder of the machine rotate irregularly vibrate heavily and can lead to loss of control.

f) **Use only diamond cutting wheels for your power tool.**

Just because an accessory can be attached to your power tool, it does not assure safe operation.

g) **Do not use blunt or damaged cutting wheels.**

Blunt or damaged cutting wheels cause increased friction, can become jammed and lead to imbalance.

h) **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

i) **Use dust extraction. The vacuum cleaner must be approved for the extraction of mortar dust.**

Using this equipment reduces dust-related hazards.

j) **Apply the machine to the work piece only when switched on.**

Otherwise there is danger of kickback when the cutting tool jams in the work piece.

k) **Keep your hands out of the Miller area and away from the cutting wheel.** Danger of injury.

l) **Never cut over metal objects, nails or screws.** The cutting wheel can become damaged and lead to increased vibrations.

m) **Use appropriate 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.

n) **Always wait until the machine has come to a complete stop before placing it down.**

The tool insert can jam and lead to loss of control over the power tool.

o) **Always use guard provided with the tool.**

The guard helps to protect operator from broken fragments and accidental contact with the milling Miller.

p) **Wear personal protective equipment. Depending on application, use faces shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small work piece fragments.**

The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

q) **Keep bystanders a safe distance away from the work area. Anyone entering the work area must wear personal protective equipment.** Fragments of work piece or of a broken accessory may fly away and cause injury beyond immediate area of operation.

r) **Position the cord clear of the spinning accessory.**

If you lose control of the power tool, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.

s) **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.

t) **Regularly clean the power tool's air vents.**

The motor's fan will draw the dust inside the housing and excessive accumulation of powder may cause electrical hazards.

u) **Never use the machine with a damaged cable.**

Do not touch the damaged cable and pull the mains plug when the cable is damaged while working.

Damaged cables increase the risk of an electric shock.