



stone cutting machine STM 450-700



Art. No.: STM450-700

D

original operating instructions

stone cutting machine STM 450-700



DANGER! Before assembly and before commissioning, read the entire text of the operating instructions. Use these instructions to familiarize yourself with the device, its correct use and the safety instructions.

Pass on the safety instructions to all persons who work with the machine.

Keep these safety instructions in a safe place.



A NOTICE

According to the applicable product liability law, the manufacturer of this device is not liable for damages caused to or by this device in the following cases:

- improper handling,*
- Failure to follow the operating instructions,*
- Repair by third parties, unauthorized specialists,*
- Installation and replacement of non-original spare parts,*
- improper use. The risk is borne solely by the user.*

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Type and design subject to change!

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INTENDED USE

The LUMAG stone cutting machine STM 450-700 is a versatile, stationary and robust machine tool. The device is suitable for fast and clean cutting (with the appropriate diamond cutting disc) of tiles, stoneware, bricks, natural and hard stone, general construction site materials and similar abrasive building materials. The machine is used exclusively in the wet cutting process.

The machine is suitable for both flat cuts and 45° mitre cuts (Jolly).

Any other use is improper. Improper use, modifications to the device or the use of parts that have not been tested and approved by the manufacturer can result in unforeseeable damage!

Do not use the stone cutting machine to cut wood. Cutting metallic materials, plastic, or dry cutting is not permitted.

SAFETY INSTRUCTIONS

When using power tools and machine tools, the following basic safety precautions should be observed to protect against electric shock, injury and fire hazards. Read all of these instructions before using this machine tool and keep the safety instructions in a safe place.

General safety instructions

1. Keep your work area tidy

- Disorder in the work area can lead to accidents.

2. Consider environmental influences

- Do not expose power tools to rain.
- Do not use power tools in damp or wet environments.
- Ensure that the work area is well lit.
- Do not use power tools where there is a risk of fire or explosion.

3. Protect yourself from electric shock

- Avoid physical contact with earthed parts (e.g. pipes, radiators, electric stoves, refrigerators).

4. Keep other people away

SAFETY INSTRUCTIONS

- Do not let other people, especially children, touch the power tool or cord. Keep them away from your work area.

5. Store unused power tools safely

- When not in use, power tools should be stored in a dry, high or locked place, out of the reach of children.

6. Do not overload your power tool

- You work better and more safely within the specified performance range.

7. Use the right power tool

- Do not use low-power machines for heavy work.
- Do not use the power tool for purposes for which it is not intended.

For example, do not use a stone cutting machine to cut wood or metal.

8. Wear appropriate clothing

- Do not wear loose clothing or jewelry as you could be caught by moving parts.

- When working outdoors, non-slip footwear is recommended.

- If you have long hair, wear a hair net.

9. Use protective equipment

- Wear safety glasses and hearing protection.
- Use a breathing mask when carrying out work that generates dust.

10. Connect the dust extraction device

- If dust extraction and collection connections are provided, ensure that they are connected and used correctly.

11. Do not use the cable for purposes for which it is not intended.

- Do not use the cable to unplug the appliance.
- Protect the cable from heat, oil and sharp edges.

12. Secure the workpiece

- Use clamps or a vice to hold the workpiece. This will hold it more securely than with your hand.

13. Avoid abnormal posture

- Ensure you have a secure footing and keep your balance at all times.

14. Maintain your tools with care

- Keep cutting tools sharp and clean to work better and safer.

- Follow the instructions for lubrication and tool changing.
- Check the power tool's connection cable regularly and have it replaced by a specialist if it is damaged.
- Check extension cords regularly and replace them if they are damaged.

- Keep handles dry, clean and free from oil and grease.

15. Unplug the appliance

- When the power tool is not in use, before maintenance and when changing tools such as cutting discs, saw blades, drills, milling cutters.

16. Do not leave any tool keys in the

- Before switching on, check that keys and adjustment tools are removed.

17. Avoid unintentional start-up

- Make sure the switch is off when inserting the plug into the socket.

18. Use outdoor extension cords

- Only use extension cables approved for outdoor use and marked accordingly.

19. Be attentive

- Be careful what you are doing. Use common sense when working. Do not use the power tool when you are unable to concentrate, when you are tired or when you are under the influence of drugs, alcohol or medication that may affect your judgement.

20. Check the power tool

- Before using the power tool again, safety devices or slightly damaged parts must be carefully checked to ensure that they are functioning properly and as intended.
- Check that the moving parts work properly and do not bind or damage any parts. All parts must be correctly fitted and meet all conditions to ensure the correct operation of the power tool.
- Damaged protective devices and parts must be repaired or replaced as intended by an approved specialist workshop, unless otherwise stated in the operating instructions.
- Damaged switches must be replaced by an authorized service workshop.
- Do not use power tools where the switch cannot be turned on and off.

21. ATTENTION! The use of other tools and accessories may pose a risk of injury to you.

22. Have your machine tool repaired by a qualified electrician

- This machine complies with the relevant safety regulations. Repairs may only be carried out by a qualified electrician or our service team using original spare parts; otherwise, accidents may occur for the user.

SAFETY INSTRUCTIONS

Special safety instructions for stone cutting machines

- Before use, place the stone cutting machine on a level and stable work surface. Ensure there is sufficient freedom of movement.
- Always ensure there is adequate lighting when working with the machine.
- Only use the machine in dry conditions, never in the rain.
- To avoid the risk of dust, the machine may only be used in wet areas. This is also essential because the diamond cutting disc is only suitable for wet cutting.
- Always fill the tub with water before working.
- The machine may only be operated in sufficiently ventilated rooms.
- Always switch on the device before contact with material.
- The increased safety regulations for wet operation apply to this stone cutting machine. All protective measures against increased contact voltages must be applied.
- Electrical cables must not come into contact with water or water mist.
- Before starting work, check the device and power cable for damage.
- Check that moving parts of the device are working properly and are not jammed and that no parts are damaged.
- The mains voltage must match the information on the machine's rating plate.
- Only use approved extension cables outdoors.
- When using a cable reel, unwind the cable completely to avoid heating the cable.
- When working outdoors, the socket must be equipped with a residual current device.
- Pay attention to the direction of rotation of the motor and diamond cutting disc.
- Only cut one workpiece at a time.
- The cutting path must be free of obstacles at the top and bottom.
- Make sure that you can remove the cuttings from the side of the cutting disc to avoid being caught.
- Use a push stick to guide the workpiece safely past the cutting disc.
- Only work with diamond cutting discs that are exclusively suitable for wet cutting.
- Use diamond cutting discs of the correct size.
- Keep hands, fingers and arms away from the rotating cutting disc. Always keep a sufficient distance from the diamond cutting disc.

SAFETY INSTRUCTIONS

- Replace faulty diamond cutting discs immediately. Deformed or cracked cutting discs must not be used.
 - Only use diamond cutting discs recommended by the manufacturer that comply with EN 13236. The use of saw blades is prohibited.
 - Make sure that the appropriate diamond cutting disc is selected for the material to be cut.
 - Do not use the stone cutting machine without protective devices.
 - To rectify faults or remove jammed workpieces, always switch off the machine and unplug it. Only then remove the jammed workpiece.
 - Protect the diamond cutting disc from impact and shock. Do not subject it to lateral pressure.
 - Do not place such a load on the device that it comes to a standstill.
 - Wear appropriate personal protective equipment (PPE).
 - Hearing protection to reduce the risk of hearing loss. ***Warning! Noise can be harmful to health. If the permissible noise level of 80 dB(A) is exceeded, ear protection must be worn.***
 - Respiratory protection to reduce the risk of inhaling hazardous dust.
 - Eye protection to reduce the risk of eye damage.
 - Gloves when handling rough materials and non-slip footwear is recommended when working outdoors.
- Diamond cutting discs must always be carried in a practical container.
- This machine may only be operated by persons who are familiar with the use of stone cutting machines. Persons under the age of 18 may only operate this machine as part of a vocational training course under the supervision of an instructor. Persons under the age of 16 must be kept away from the machine.
 - Faults in the machine, including all covers and guards, must be reported to the person responsible for safety as soon as they are discovered.
 - Do not leave the appliance running unattended.
 - When leaving the workplace, always switch off the motor, wait until the diamond cutting disc has stopped and unplug the power cord.

SAFETY INSTRUCTIONS

residual risks

Even when used as intended, the following residual risks may still occur:

- Risk of injury to fingers and hands from the rotating tool.
- Injuries caused by workpieces being thrown away due to improper posture or guidance.
- Injuries caused by breakage or ejection of the diamond cutting disc or a faulty diamond attachment.
- Injuries caused by touching live parts when electrical components are open or defective.
- Impairment of hearing when working for long periods without hearing protection.

Residual risks can be minimized if the ***"Intended Use"*** and ***"safety instructions"*** and the operating instructions as a whole must be observed.

SYMBOLS USED

SYMBOLS USED



Danger!



Danger of cuts! Never reach into the work area during operation.



Before commissioning the
Read the manual



Wear hearing protection



Wear protective gloves



Wear eye protection



Wear safety shoes



wear a dust mask



Warning of hot surface! **Danger of burns!**



high voltage,
Danger to life!



Never lift the machine using
lifting ropes on the handle or
cutting head.



Damaged cutting discs
(cracked, chipped or
otherwise damaged) must be
replaced immediately.

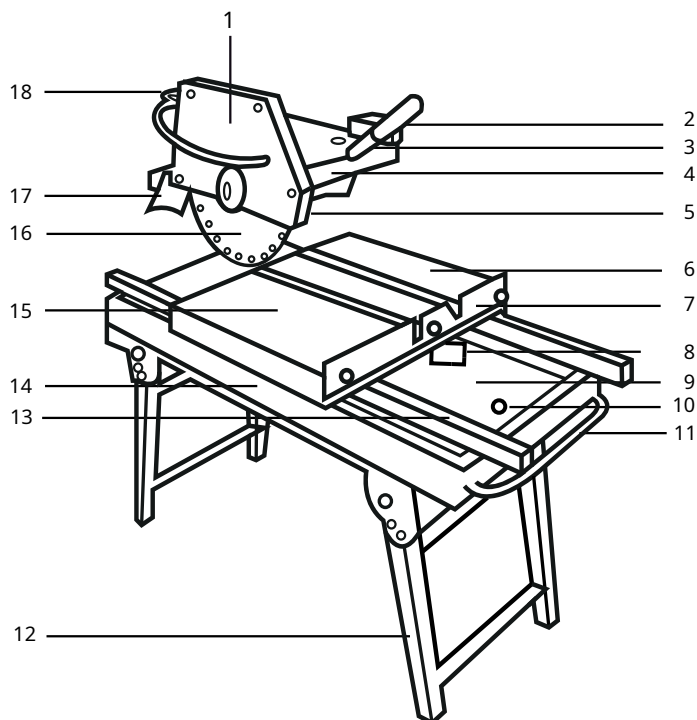


wet cutting process! To avoid the risk of dust, the machine may only be used in wet operation.



WARNING! Keep hands away from rotating parts. Only touch machine parts when they have come to a complete standstill. Never open or remove protective devices when the engine is running.
Wet cutting process! To avoid the risk of dust, the machine may only be used in wet operation.

CONTROLS

CONTROLS

- | | |
|--|-----------------------------------|
| 1. Blade protective cover with cooling water connections | 10. Plug for water tray |
| 2. On / off switch | 11. Carrying handle |
| 3. Handle on the cutting arm | 12. Stand, foldable |
| 4. Cutting head unit | 13th guide rail |
| 5th drive motor | 14. Machine frame |
| 6. Roller carriage with rubber pad | 15. Longitudinal stop (not shown) |
| 7. Stop rail with measuring scale | 16. Diamond cutting disc |
| 8. Water pump | 17. Splash guard |
| 9. Water tub | 18. Water control tap |

ASSEMBLY AND INSTALLATION

Unpack the machine and check all parts for transport damage before assembling. If any damage has occurred, this must be reported immediately upon delivery. Check that the delivery is complete. Inform the seller immediately of any missing parts. Lay out all parts on a flat surface.

Scope of delivery:

Stone cutting machine with water
pump feet, foldable
Roller carriage with rubber pad
Diamond cutting disc, segmented
Longitudinal stop
open-end wrench and mandrel

The machine can be put into operation without any special effort and without any special installations.

However, when setting up and connecting the machine, please observe the following instructions and the general safety regulations.

Due to its heavy weight, it is recommended that only two people carry the machine.

Select installation location

The machine must be set up securely and secured against slipping. Make sure there is enough space to operate the machine safely. The machine is designed for use in daylight. In poorly lit or unlit work areas, the operator must ensure that the workplace is adequately lit.



Modifications to the machine or the use of parts that have not been tested and approved by the manufacturer can lead to unforeseeable damage during operation!

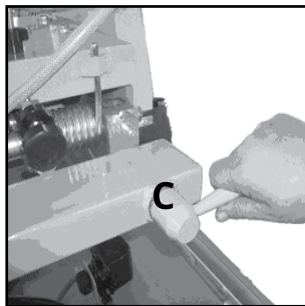
- Use only the parts supplied.
- Do not make any modifications to the parts.

ASSEMBLY AND INSTALLATION

unfold the feet

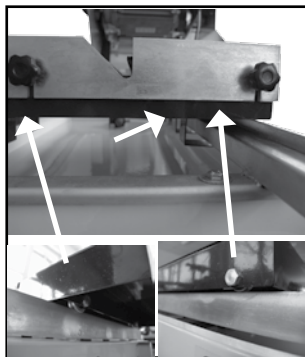
1. Loosen the screws on the feet slightly.
2. Carefully lift the frame of the stone cutting machine and first fold up the two rear and then the two front feet (under the cutting head unit). Make sure the feet are in the right position! The feet spread out towards the ground. Get a second person to help you. See the illustration directly on the frame of the machine.
3. Tighten all screws on the feet.

Install the extension of the cutting head swivel device



1. Remove the hex screw using a 30 mm open-end wrench.
2. Insert the extension arm into the thread (C) of the cutting head swivel device and screw it tight.

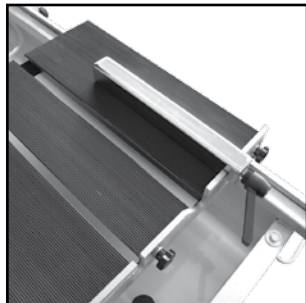
Installing the roller carriage



1. Place the roller carriage (cutting table) (6) onto the roller table guide rail (13), with the frame of the two right-hand guide rollers enclosing the guide rail. Simply place the two left-hand guide rollers onto the guide rail.
2. When you stand in front of the stone cutting machine, the scale must be facing you. The 90° cutting blade gap is on the left in the roller carriage (6), the 45° cutting blade gap is on the right.
3. The cutting table must roll easily. Make sure that all four rollers are resting on the guide rail (13).

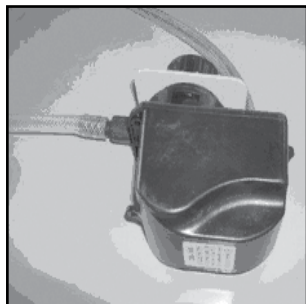
ASSEMBLY AND INSTALLATION

Install the longitudinal stop



1. Place the longitudinal stop (15) on the stop rail with measuring scale (7) on the roller carriage (6).
2. Adjust the longitudinal stop (15) at the appropriate distance from the cutting disc (16).
3. Fix the longitudinal stop (15) by tightening the locking handle.

Installing the water pump



1. Place the water pump (8) into the water tray holder and secure it.
2. Insert the plug (10) into the drain of the water tray (9).



DANGER!

The water pump must never run dry. It must always be covered with water during operation.

COMMISSIONING



Read the safety instructions carefully (see **safety instructions**).

- All covers and safety devices must be properly installed before operation.
- The diamond cutting disc must be checked to ensure it is firmly seated and running smoothly.
- Check the water hoses from the pump to the water control valve and the blade protection cover.
- Fill the water tray with clean water. The pump must be completely submerged.
- Remove all parts and workpieces from the carriage.
- Briefly switch the green switch button on and then immediately switch the machine off again using the red switch button (approx. 1 second) and check whether the direction of rotation of the cutting disc matches the direction of the arrow on the cutting disc.
- Only carry out the cut when the diamond cutting disc has reached its maximum speed and the pump is pumping water onto the cutting disc.
- Make sure that the diamond cutting disc is always supplied with sufficient water.
- Always place the workpiece securely on the roller carriage.
- Never press the material sideways against the cutting disc. Otherwise the diamond segments may break off.

DANGER!

Do not use diamond cutting discs that do not meet the requirements specified by the manufacturer or are of poor quality.



Using poor quality cutting wheels can cause injury to the operator and damage to the equipment, and can significantly slow down operation.

safety devices

* Sheet protection

The blade guard (1) protects against contact with the diamond cutting disc (16) and against dangerous parts being thrown out that may be created during cutting. The blade guard (1) must always be fitted during operation.

* For your safety

The stone cutting machine is equipped with a PRCD plug as standard. You can find the handling instructions directly on the safety plug.



* Safety switch with zero-voltage release

In the event of a power failure, the machine is prevented from starting on its own. When the power is back on, press the green ON switch.

* Overload protection

If the motor heats up too much, the overload protection is activated. The stone cutting machine switches off automatically. Wait about 15 minutes until the motor has cooled down. Start the machine again by pressing the green switch.

Attention! Mains connection

Do not connect the machine to the power supply until all test steps have been carried out.

The motor is designed for the supply voltage specified in the technical data and - frequency.

Normal work can be carried out safely at a voltage that does not exceed or fall below the specified voltage by more than 10%.

Operating at voltages outside this range may cause the motor to overheat or burn out.

Heavy loads require a voltage that is not less than the specified voltage.

Only operate the machine on a power supply that meets the following requirements:

- Protection with a residual current device with a fault current of 30 mA;
- Socket outlets properly installed, earthed and tested;

1 Residual current circuit breaker that interrupts the power supply within a very short time when the nominal residual current is low.

OPERATION

Lay the power cable so that it cannot be damaged during work. Protect the power cable from heat, aggressive liquids and sharp edges. Only use extension cables with a sufficient cross-section.

Do not pull the power cord to unplug the appliance.

A notice:

First of all - after switching on the saw - pay attention to the direction of rotation of the diamond cutting disc. Pay attention to the direction arrow on the machine!

- The installed electric motor is connected and ready for operation and complies with the relevant VDE and DIN regulations.
- The customer's mains connection and the extension cable used must comply with these regulations or the local energy supplier regulations.

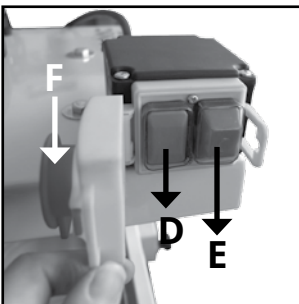
OPERATION



Read the safety instructions carefully (see **safety instructions**).

The stone cutting machine may only be operated by one person. Other people must keep a sufficient distance from the machine.

on/off



Turn on

- Open the yellow cover with the red "EMERGENCY STOP button" (F) at the side and press the green switch (D).

Turn off

- To switch off, press the "EMERGENCY STOP button" (F) or fold the yellow cover to the side and press the red switch (E).


DANGER!

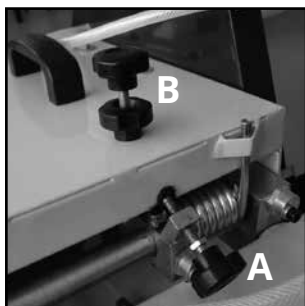
The water pump starts automatically when the drive motor is switched on! You can regulate the water flow to the diamond cutting disc using the shut-off valve (18).

Preparing for cutting

1. Stand in front of the stone cutting machine.
2. The roller carriage (6) must slide easily back and forth.
3. The longitudinal stop (15) is adjusted.
4. The diamond cutting disc (16) is mounted (see "*diamond cutting disc change*").

Cutting with a fixed cutting depth

For this cut, the cutting head (4) is fixed. The workpiece is pushed against the diamond cutting disc (16) using the roller carriage (6) and completely cut in one piece. When cutting, ensure that you apply even pressure that is appropriate to the motor power!



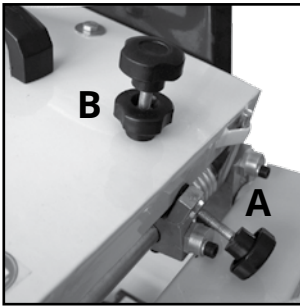
1. Loosen the star grip screw (A) on the cutting head unit and push the cutting arm upwards.
2. Place the workpiece to be cut on the roller carriage and place the stationary cutting disc with a full segment loosely on the workpiece.
3. Pull the workpiece back with the roller carriage so that you can lower the diamond cutting disc slightly.
4. Use the star grip screw (A) to set the desired cutting depth.
5. Lock the cutting depth with the star grip screw (B) on the cutting head unit.


DANGER!

Always hold or press the guided workpiece on the corresponding workpiece stop (7 + 15).

Cutting with undetermined cutting depth

To make cutting deeper cuts easier, we recommend using an unlocked cutting depth. This puts less strain on the motor and protects the diamond cutting disc. During this cut, the workpiece is moved back and forth with the roller carriage under the unlocked cutting head. The cutting head is pressed down with the right hand.



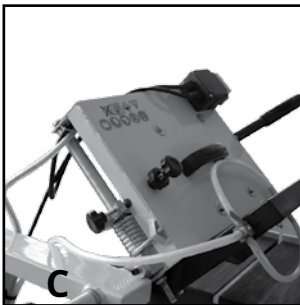
1. Loosen the star grip screw (A) on the cutting head unit (4) and push the cutting arm upwards.
2. Use the star grip screw (B) to set the desired cutting depth.
3. Lower the cutting head unit with the diamond cutting disc.
4. Leave the star grip screw (A) loosened.



Danger!

The diamond cutting disc should be able to be lowered to approx. 3 mm below the upper edge of the roller carriage. The disc must not touch the roller carriage.

Cutting with the cutting head – swivel device / miter cuts



1. Use the extension arm (C) (as described under "Installing the cutting head swivel device extension") to release the cutting head swivel device.
2. Swivel the cutting head 45° until it stops.
3. Tighten the lever again.



Danger!

Check the stop setting before starting to cut. The diamond cutting disc must not touch the roller carriage.

MAINTENANCE AND CARE



Before all maintenance and cleaning work:

- **Switch off the machine.**
- **Wait until the diamond cutting disc comes to a standstill.**
- **Unplug the power cord.**

Only use original parts as spare parts, especially for safety devices and cutting tools. Parts that have not been tested and approved by the manufacturer can lead to unforeseeable damage.

After all maintenance and cleaning work:

- Restart and check all safety devices.
- Make sure that there are no tools or similar objects on or in the machine.
- Maintenance and repair work may only be carried out by qualified personnel.

diamond cutting disc change

Caution!



- **Danger of cuts from the diamond cutting disc!**
- **Wear gloves when changing the cutting disc.**
- **Check the cutting disc for direction of rotation, concentricity and possible damage!**

Choose the right diamond cutting disc type according to the material to be cut.

The direction of rotation of the cutting shaft - indicated by an arrow on the blade guard - must match the cutting direction of the cutting disc.

1. Unplug the power cord.
- 2nd **Fig. 1** Loosen the star grip screw (A) on the cutting head unit (4) and push the cutting arm all the way up. Lock the cutting arm with the star grip (B) on the cutting head unit (4).
3. **Fig. 2** Loosen and remove the four screws on the blade protection cover (1) and remove the protective cover.

A notice: *The water hose on the protective cover does not need to be removed. Carefully fold the protective cover upwards from the bottom.*

4. Hold the cutting shaft with the supplied mandrel and loosen the clamping nut with the open-end wrench (included). **Left-hand thread!** Remove the clamping nut, the pressure flange and carefully the diamond cutting disc (16).

5th **Fig. 3** Before installing the new diamond cutting disc (16), clean the cutting shaft and the blade flange with a cloth or brush. **Danger!** Do not use cleaning agents that may damage the components.

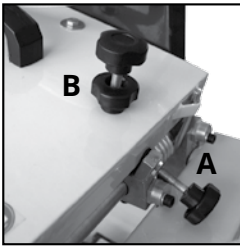


Fig. 1

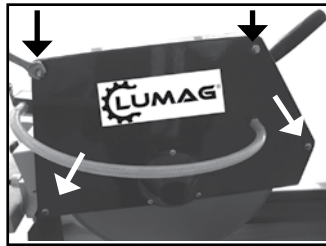


Fig. 2

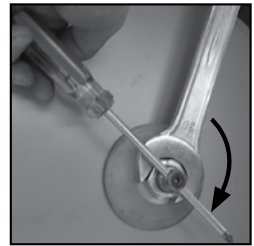


Fig. 3

Danger!



When inserting the new diamond cutting disc, proceed in reverse order. Make sure you turn in the correct direction! (Place the diamond cutting disc – ARROW DIRECTION – on the flange holder on the operating side). The direction of the arrow on the cutting disc and on the protective cover must match.

6. Check the concentricity by starting the machine briefly and then switching it off again immediately.



DANGER!

- The stone cutting machine must not be operated without a protective cover!
- Pay attention to the blade fastening, the diamond cutting disc must not "flutter".
- Do not use diamond cutting discs that do not meet the requirements specified by the manufacturer or are of poor quality.
- Make sure that the water hoses are firmly attached to the protective cover.

cleaning the machine

- Before carrying out any work on the device, unplug the power cord.
 - Fix the cutting head (see "*cutting disc change*", point 2).
 - If the machine is used continuously, clean the tub and the deposited sludge at least 3 times a day.
 - Clean and rinse the water pump strainer (8) daily.
 - Regularly remove any stuck dust from the ventilation openings and moving parts using a damp cleaning cloth.
 - Caution! Do not clean the diamond cutting disc (16) with flammable liquids.
 - Clean the surface of the machine of dust and dirt with a damp cloth. Remove stubborn deposits with a brush that is not too hard.
 - Do not use a high-pressure cleaner or steam cleaner for cleaning.
 - Oil the guide elements, height adjustment devices and swivel segments regularly.
 - The water pump (8) is largely maintenance-free.
 - The diamond cutting disc (16) is largely maintenance-free. If the cutting performance decreases, the cutting disc can be resharpened by making a few cuts in sandstone or similar material. Check the cutting discs for wear and damage before each use. Worn diamond cutting discs should be replaced as soon as possible.
- At temperatures around or below 0° C:
- Drain the water after each use and clean the cooling and rinsing system such as hoses, shut-off valve, water pump and water pan to avoid possible freeze damage.

transport

- Always transport the machine horizontally.
- Use a suitable means of transport with sufficient load capacity.
- For transport, only use the transport devices and never the protective devices.
- Secure the load reliably.

Please note the following when transporting the stone cutting machine:

- Dismantle the diamond cutting disc (16)
- Remove the roller carriage (6)

MAINTENANCE AND CARE

- Lock the cutting head unit (4)
- Empty the water pan (9) and cooling system
- **Fig. 1-4** Loosen the screws on the support feet and fold them in as shown. First fold in the support feet under the cutting head unit. See also the illustration directly on the frame on the machine.

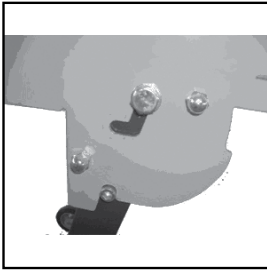


Fig. 1

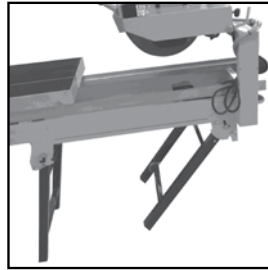


Fig. 2

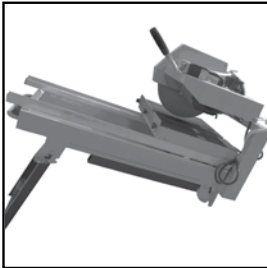


Fig. 3

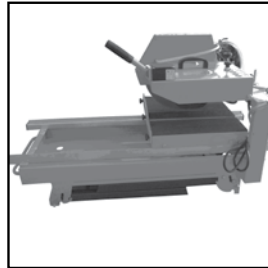


Fig. 4

Installation location when not in use or stored

- Choose a safe location so that the machine cannot be started by unauthorized persons and no one can be injured by the stationary machine.
- Do not place the machine unprotected outdoors or in a damp environment.

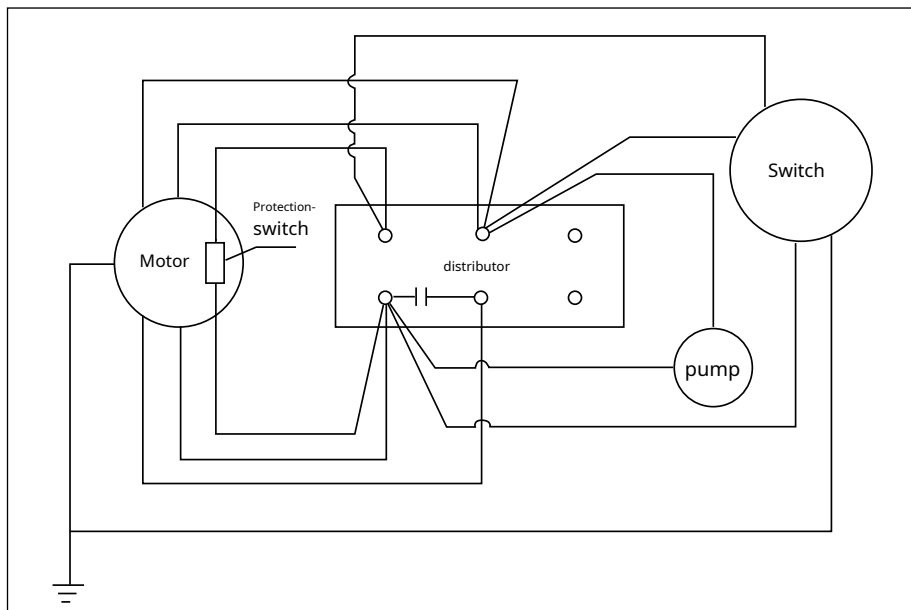
If you are standing still for a longer period of time, take the following measures:

- Drain and clean the cooling and flushing system such as hoses, shut-off valve, water pump and water pan.
- Remove the diamond cutting disc and clean the blade holder.
- Clean the entire stone cutting machine.

electrical system



Work on the electrical equipment of the machine may only be carried out by a qualified electrician.



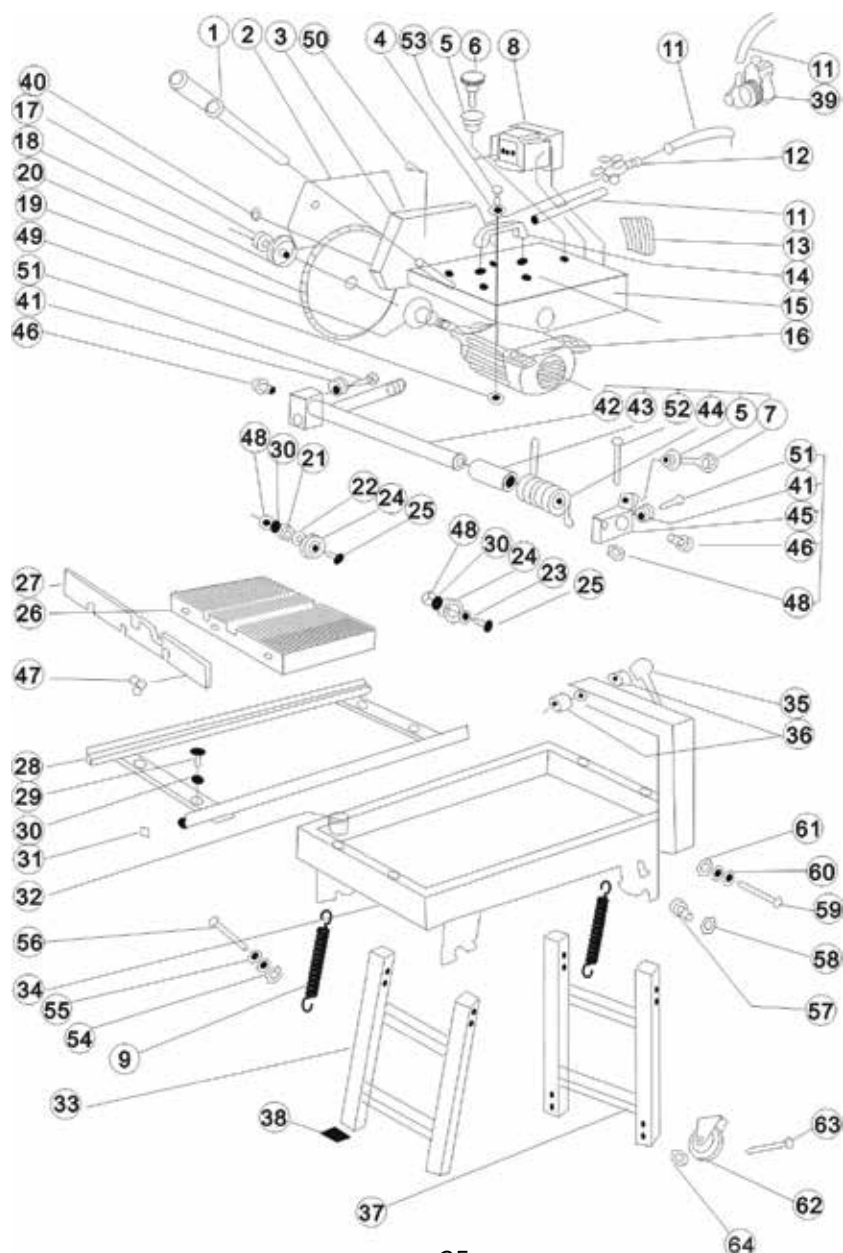
NOTE ON ENVIRONMENTAL PROTECTION



Old electrical devices are recyclable materials and therefore do not belong in household waste! We would therefore like to ask you to support us with your active contribution to conserving resources and protecting the environment and to hand this device in to the collection points set up - if available.

COMPONENTS OF THE MACHINE

COMPONENTS OF THE MACHINE



TROUBLESHOOTING



Before any troubleshooting:

- Switch off the device.
- Unplug the power cord.

Engine does not start:	There is no power reaching the machine.	Check power supplier and supply line.
Engine switches during the work:	The motor switches off due to overload, e.g. due to too high cutting pressure.	Wait until the engine has cooled down (5-10 minutes), then switch it on again.
	Incorrect blade specification.	Use the correct diamond cutting disc that is suited to the material.
Machine/device does not have sufficient power:	Connection cable too long.	Design extension cables accordingly.
	Cable drum wound up.	Unwind the cable drum.
	Drive motor no longer maintains the speed.	Have the drive motor checked by a qualified electrician and replace it if necessary.
During operation the power goes out:	The motor is switched off by the zero voltage release.	Turn the machine on again.
Pump stops:	The pump switches off due to overload, e.g. due to heavy contamination.	Stop the machine immediately. Clean the pump and restart the machine after about 5-10 minutes. Caution! Never cut dry!
Cutting disc jams:	Roller carriage does not run parallel to the cutting disc, does not run on all 4 rollers.	Align the rollers on the roller carriage and the guides.
No performance at Cut:	Diamond cutting disc is blunt.	Use correct cutting disc.
Cutting disc has lateral and vertical runout:	Cutting disc is damaged.	Have it straightened.
	Mounting flange is dirty.	Remove dirt from the mounting flange.
	Cutting shaft bent.	Replace cutting shaft.
loosen diamond segments itself:	Cutting disc overheats, too little water.	Have it re-soldered and optimize the cooling water supply.
Cutting path is not optimal:	Blade tension is poor.	Send in the cutting disc.
	Cutting disc is subjected to too much stress.	Use suitable cutting disc.
	Diamond segments are too blunt.	Sharpen the cutting wheel.
cutting disc has tarnish colors:	Cutting disc is overheated due to insufficient cooling water.	Optimize cooling water supply.
	Lateral friction due to cutting path.	Reduce feed rate and pull material through more slowly.

If these measures do not resolve the problem or if errors occur that are not listed here, have your stone cutting machine checked by a specialist.

TECHNICAL DATA

Model name:	STM 450-700
Operating voltage:	230 V ~ 50 Hz
Engine power:	2000 W - S6 40%
Operating current:	9.0 A
Protection class:	I
Protection class:	IP 54
Weight:	92 kg
Dimensions (L x W x H):	1240x590x1290mm
Table size:	530x430mm
Diamond cutting disc segmented:	Ø 450 mm
Bore:	Ø 30 mm
Cutting shaft speed:	2800 rpm
Maximum working speed:	80 m/s
Cutting depth max.:	140 mm
Cutting length max.:	700 mm
Miter cuts:	continuously variable 0 -
Contents of the water tray:	45° 37.8 liters
<i>emission values</i>	
Sound pressure level LpA:	72.0 dB(A)
Sound power level LWA:	85.0 dB(A)

The values given are emission values and therefore do not necessarily represent safe workplace values.

Although there is a correlation between emission and immission levels, it cannot be reliably deduced from this whether or not additional precautionary measures are necessary. Factors that influence the actual immission level at the workplace include the nature of the work area, other noise sources, eg the number of machines and other adjacent work processes.

The permissible workplace values may also vary from country to country. However, this information is intended to enable the user to make a better assessment of hazard and risk.

TECHNICAL DESCRIPTION

The stone cutting machine consists of a work table on 4 legs, equipped with a metal tray, a motor and a sawing device with a diamond cutting disc. The electric motor drives the cutting disc, which rotates quickly. The wet disc processing system allows the complete elimination of cutting dust.

WARRANTY / GUARANTEE / CUSTOMER SERVICE

WARRANTY

The statutory warranty period applies to the device. Any defects that can be proven to be due to material or assembly errors must be reported to the seller immediately. Proof of purchase of the device must be provided by presenting the invoice and receipt when making a warranty claim.

The warranty is excluded with regard to parts if defects have arisen due to natural wear and tear, temperature or weather influences or due to defects resulting from negligent assembly, faulty connection, incorrect fuel/fuel mixture, installation, operation, maintenance, lubrication or force.

Furthermore, no warranty is provided for damage caused by inappropriate or improper use of the machine, such as improper modifications or repair work carried out by the owner or third parties, or by intentional overloading of the machine.

Wear parts with a limited service life (e.g. V-belts, clutch, throttle cable, spark plug, air filter, battery, blades, hoses, wheels, tools and other aids) as well as all setting and adjustment work are excluded from the warranty.

GUARANTEE

LUMAG guarantees impeccable quality and, without prejudice to the statutory warranty, provides a guarantee in the event of material or manufacturing defects. The guarantee for LUMAG products is 24 months for exclusively private use, and 12 months for commercial or professional use or rental, from the date of delivery.

The buyer must always prove warranty claims by providing the original purchase receipt. A copy of this must be enclosed with the warranty application. The buyer's address and machine type must be clearly identifiable for professional or commercial use. Without the original purchase receipt, we can only carry out the repair for a fee.

Please do not send any devices back to us without a SERVICE NUMBER that you have received from our service department. If we receive devices unsolicited, we cannot accept and process them. To request a SERVICE NUMBER, please contact our service team at: info@lumag-maschinen.de

Please clearly label the shipping box with the SERVICE NUMBER to ensure quick identification.

Warranty work is carried out exclusively by our LUMAG service workshop. Defects that occur within the warranty period due to material or manufacturing defects must be remedied by repair if they have occurred despite proper use and care of the device. We reserve the right to make two repairs if the same defect occurs. If repair fails or is impossible, the device can be exchanged for an equivalent device. If the exchange is also unsuccessful or impossible, there is the option of a replacement.

Normal wear and tear, natural aging, improper use, and cleaning, maintenance and adjustment work are generally not covered by the guarantee (e.g. cutting device, air and fuel filters, spark plugs and recoil starters, drive belts, etc.). Due to operation and use, some components are subject to normal wear and tear, even when used as intended, and may need to be replaced in good time.

CUSTOMER SERVICE

If you have any technical questions, information about our products or would like to order spare parts, our service team is available as follows:

Service time: Monday to Thursday from 7.30 a.m. to 12 p.m. and 1 p.m. to 5 p.m.
Friday from 7.30 a.m. to 12.30 p.m.

Phone: 0049 / (0)8571 / 92 556-0
Fax: 0049 / (0)8571 / 92 556-19

E-mail: info@lumag-maschinen.de

EC DECLARATION OF CONFORMITY

In accordance with the provisions of the EC directives

- Electromagnetic Compatibility 2004/108/EC
- Low Voltage Directive 2006/95/EC
- Machinery Directive 2006/42/EC

the company explains:

LUMAG GmbH
Robert-Bosch-Ring 3
D-84375 Kirchdorf/Inn
Telephone: 0049 / (0)8571 / 92 556-0
Fax: 0049 / (0)8571 / 92 556-19

that the product

Designation: **stone cutting machine**
Device type: **STM 450-700**

meets the essential protection requirements of the above-mentioned EC directives.
Conformity is based on the following standards:

EN 12418/A1:2009, EN 61029-1/A11:2010, ZEK 01.4-08 EN
55014-1/A2:2011, EN 55014-2/A2:2008,
EN 6100-3-2/A2:2009, EN 61000-3-11:2000

Person authorized to compile the technical documentation: Gabriele
Denk

The declaration of conformity refers only to the machinery in the condition in which it
was placed on the market; it does not take into account any parts and/or
interventions subsequently fitted by the end user.

Kirchdorf, September 17, 2014

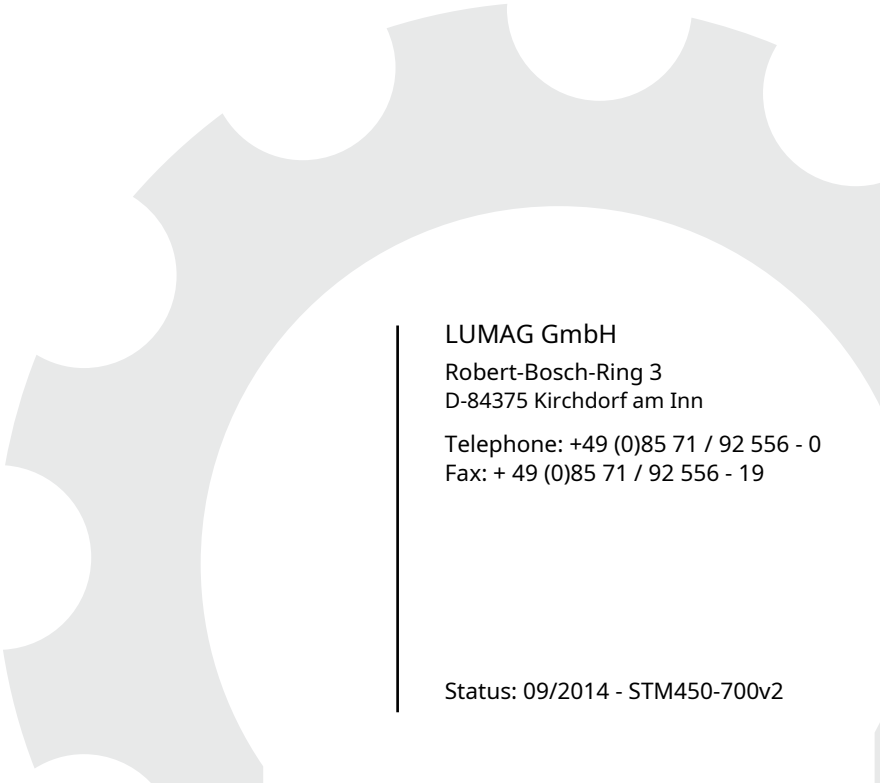
Manfred Weißenhorner, Managing Director

_____, Place, date

distributor, authorized representative

A handwritten signature in black ink, appearing to be "M. Weißenhorner", is written over a horizontal line.

NOTE



LUMAG GmbH

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Fax: + 49 (0)85 71 / 92 556 - 19

Status: 09/2014 - STM450-700v2