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Originalfassung

DE BETRIEBSANLEITUNG

STEINTRENNMASCHINE

Übersetzung / Translation

EN USER MANUAL

STONE CUTTING MACHINE

CZ NÁVOD K POUŽITÍ

REZACKA KAMENE

SL NAVODILO ZA UPORABO

REZALNIK KAMNA

HR UPUTA ZA UPORABU

STROJ ZA REZANJE KAMENA



ZI-STM350

EAN: 9120039238524





10 PREFACE (EN)

Dear Customer!

This manual contains important information and advice for the correct and safe use and maintenance of the stone cutting machine ZI-STM350.

Following the usual commercial name of the device (see cover) is substituted in this manual with the name "machine".

The manual is part of the machine and may not be stored separately. Read it profoundly before first use of the machine and keep it for later reference. When the machine is handed to other persons always put the manual to the machine.

Please follow the security instructions!

Please read the entire manual, to prevent misunderstandings, machine damage or even injuries!



Due to continuous development of our products illustrations, pictures might differ slightly.

If you however find errors in this manual, please inform us.

Technical changes excepted!

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11 LAYOUT

- 1 Sliding work table
- 2 Parallel guide
- 3 Cross guide
- 4 Table feet
- 5 Rubber bung
- 6 Angle fixing lever
- 7 Assembly tools
- 8 Water basin
- 9 Angle axis
- 11 End stop thread cutting depth
- 12 End stop thread max. height
- 13 On/Off switch
- 14 Water valve

12 SAFETY

12.1 Proper use

The ZI-STM350 stone cutting machine is designed for the wet cutting of stone materials and tiles under usage of the respectively suitable diamond blades.

The machine must only be used for its intended purpose! Do not overload the machine!

Any other use is deemed to be a case of misuse.

The user/operator and not the manufacturer will be held liable for damage and/or injuries of any kind that result from such misuse.

To use the machine properly you must also observe and stick to the safety regulations, the assembly instructions and the operating instructions to be found in this manual.

All persons who use and service the machine have to be acquainted with this manual and must be informed about the machine's potential hazards.

It is also imperative to observe the accident prevention regulations in force in your area.

The same applies for the general rules of occupational health and safety.

The manufacturer shall not be liable for any changes made to the machine nor for any damage resulting from such changes.

Even when the machine is used as prescribed it is still impossible to eliminate certain residual risk factors.

12.2 Remaining risk factors

The following hazards may arise in connection with the machine's design and construction:

- **Hazard of severe hand injuries due to running diamond blade.**
- **Hazard due to machine defects:**

If one or more parts of the machine are defective, the use of the machine is prohibited. Defective parts must be replaced immediately. Only replacement parts which have been approved by the manufacturer may be used. It is prohibited to make any changes to the machine.

- **Hazard due to electric shock:**

Socket-outlets must be properly installed, earthed and tested!



- **Hazard due to unintentional start-up of the machine:** The power plug must be removed from the socket-outlet prior to any check or action carried out at the machine!
- **Hazard due to tile/stone chips & diamond blade :**

During cutting operation the material /parts of the diamond blade may crack and and be catapulted towards the operator. Therefore: never stand in-line with the saw blade during operation. Wear protective goggles.

- **Damage to hearing if ear-muffs are not used as necessary.**
- **Harmful emissions of tile/stone dust**
- **Hazard of severe injuries due to material kick-back.**

Reduce the risk of kick-back by reducing the cutting speed.

12.3 Safety instruction

Please read the directions for use carefully and observe the information provided. It is important to consult these instructions in order to acquaint yourself with the machine, its proper use and safety precautions.

- Take due note of all this information before and whilst working with the machine.
- Do not lose these safety regulations.
- Use only quality diamond blades suitable for the respective material to be cut.
- The diamond blade has to be cooled during the cutting operation continuously.
- Do not force the motor, reduce feeding speed if necessary, do not let the develop such pressure on the blade that the motor stops.
- Check the power cable regularly and have it replaced by an authorized specialist at the first sign of any damage.
- When working outdoors, use only extension cables that are approved for outdoor use which are marked accordingly.
- Always pull the plug out of the power socket before adjusting or servicing the machine.
- If you need to use an extension cable, make sure its conductor cross-section is big enough for the saw's power consumption. Minimum cross-section: 1.5 mm²
- Do not leave the machine in the rain and never use it in damp conditions.
- Use the machine only at good lighting and in a well ventilated area.
- Keep children and unskilled persons away from the machine at all times. Operators have to be at least 18 years old, or 16 under authorized supervision.
- Do not wear loose clothes or jewellery when the machine is in operation.
- Keep the working area clean and tidy. Keep it clean of wood scrap and d any unnecessary objects.
- Wear proper safety accessories: Ear protection, protective eye-glasses and a breathing mask.
- Always work focused and avoid any sources of distraction. Do not work under the influence of drugs, alcohol, or when you are tired.
- Always stick to the accident prevention and safety regulations valid for your working environment.
- The machine has to be operated with a 230V isolated ground receptacle.
- Use and load the machine only within the borders of its power capacity. Do not use low-powered machines for heavy-duty work. This poses besides shortened product life-span a security risk!
- Control before every operation the machine and the security devices for good condition. Worn or defect parts shall be replaced immediately.



13 ASSAMBLY

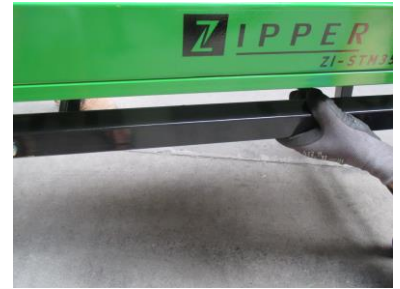
- Unpack the stone cutter and check it for damage which may have occurred in transit.

Please report hidden transport damages immediately to your reseller.

- Check for completeness of delivery:
 - ✓ Pre-assembled ZI-STM350
 - ✓ Table feet
 - ✓ Cross fence
 - ✓ Rubber bung
 - ✓ Angle fixing lever
 - ✓ Assembly tools
- For the table feet assembly two persons are required.
- Assemble the table feet to the machine body
- Remove the transport security lashes from the table, the water tube and the electro cable.
- Remove the hex nut with the flat spanner.

It fixed the motor/saw aggregate for transport.

- Mount the angle fixing lever instead of the hex nut.
- Put the parallel fence onto the cross fence. Fix it with black fixing knob.



13.1 Prior to Operation

- Close the drain hole with the rubber bung
- Fill the water basin (8) with clean, cold water.
- Check the water pipe for any bends
- Remove any tool or item from the working plate.
- Check the saw blade for free rotation by turning it by hand. Ensure yourself that the sliding table (1) does not touch the blade by pushing it to the blade.
- Ensure yourself that (6), (11), (12), and (1) are set correctly and tightened firmly.



14 OPERATION

General:

All modifications has to be performed with machine being switched off.

- Check (6), (11), (12) and (1) for tightness
Water flow valve open.
- Turn on the machine by pressing the green ON button (13 - side of the saw unit) a.
- Wait until the diamond blade at full speed, and the sheet is cooled with water.
- Sections perform.
- Switch the machine off with red OFF button (13) again

Cuts:

You can perform different cuts by adjusting the depth stop (11) and height stop (12).

Straight cut

- Adjust depth stop (11) so, that the diamond blade reaches approx. 5mm below the sliding table surface. Hold the sawing aggregate with one hand in this position and adjust the height stop (12) to this height position as well.
- Now you can cut the material by feeding the material to the diamond blade.

Chop cut

- For short workpieces you can use the chop cut
- Keep the (11) position, and release the (12) stop up to workpiece + 1cm height
- Do not place your hands near the blade
- Always align the material to cross and parallel fence.

Adjust cutting angle

- You can perform cuts from 90°-45°
- Loosen the angle fixing lever (6)
- Swing the entire cutting aggregate until you have reached the desired angle.
- Tighten the angle fixing lever back again (6).



15 MAINTENANCE

- Attention! Pull out the power plug first!
- **After every operation you have to clean your water pump sufficiently with sufficient clear water!** During usage the water gets dirty, stone dust particles get into the water pump. If you fail to clean the water pump regularly after usage it will become defect.

In this case warranty claims cannot be accepted.

- Clean your machine regularly from dust and dirt. Cleaning is best carried out with a soft scrubber or a clean cloth.
- Do not use caustic agents for cleaning!
- Change the water in the water basin after each use
- Clean the basin
- Check your blade for any cracks or damages.
- Replace worn or damaged saw blades immediately.

Saw blade replacement

- Pull out the power plug!
- Demount the blade guard.
- Loosen the locknut with an open wrench.
- Remove locknut and flange.
- Remove the old blade and mount the new one. Attention: Take care to mount the blade in the correct direction.
- Mount the flange and locknut, tighten the locknut.
- Check the mounted diamond blade for eventual wobble by turning it by hand. If wobble occurs, the flange was not set accurately.

