original operating instructions

VIBRATORY SLATER RB-A

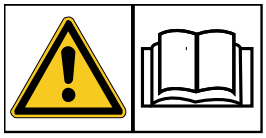
Art. No.: RBA

www.lumag-maschinen.de

Model: RB-A **Serial number:** _____

Both the model number and the serial number can be found on the vibrating beam's nameplate. You should keep both numbers in a safe place for future reference. This manual explains the machine's functions and applications.

1. GENERAL



DANGER!
Read all safety warnings and instructions.

Use this manual to familiarize yourself with the machine, its correct use and the safety instructions. Keep this manual in a safe place so that you can refer to this information at any time.
If you hand the machine over to other people, please also hand over the complete manual.

limitation of liability
We have endeavoured to provide as much information as possible on accident prevention during operation, but cannot be held responsible for any lack of completeness in the danger points and sources listed.

The manufacturer assumes no liability for damages resulting from:

- Failure to follow the operating instructions
- Improper use of the machine
- Improper assembly, commissioning, operation and maintenance of the machine
- Operating the machine with defective safety devices or improperly installed or non-functional safety and protective devices
- Failure to observe the instructions in the operating manual regarding transport, storage, function, operation, maintenance and care of the machine
- Unauthorized structural changes to the machine
- Unauthorized modifications to the machine
- Inadequate monitoring of machine parts subject to wear and tear
- Improperly carried out repairs
- Disasters caused by foreign bodies and force majeure

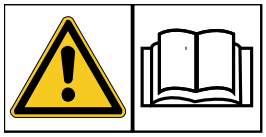
name machine
The term “machine” replaces the commercial name of the object to which this operating manual - see cover page - refers.

reservations
Information on technical data, dimensions and illustrations of the machine as well as changes to safety standards are subject to further development and are therefore not binding for delivery in every case.

ATTENTION! The machine is delivered without engine oil. Before first use,MOTOR OIL be filled up!

2. INFORMATION ON THE OPERATING INSTRUCTIONS

This manual describes the functions, operation, maintenance and care of your new machine. Please read it carefully and follow the instructions exactly to ensure your machine has a long service life and safe operation for you. Observe the safety instructions and instructions provided as well as the local accident prevention regulations and general safety regulations applicable to the area of use.



Before starting any work on or with the machine, read the operating instructions, especially the Safety chapter and the relevant safety instructions. You must fully understand and follow what you have read. These are basic instructions and suggestions for accident prevention. Errors during operation, inspection and maintenance can result in injury or death.

3. INTENDED USE

The vibrating screed is a durable vibrating screed for leveling and compacting different types of concrete with different consistencies in one operation.

The machine is delivered in 2 components, a simple aluminum profile (stripping profile/plank) and the operating unit. The operating unit has 2 guide handles between which the drive motor is located. The drive motor drives the unbalance using a shaft.

The aluminum profile provides a stable support during the removal process, is completely sealed and prevents the profile from sinking into the concrete. The standard lengths range from 2.5 to 4.5 meters.

- **The machine must not be used in the rain.**
- **The machine must not be used in permanent commercial operation.**
- **The safety devices must not be dismantled or bypassed.**

Any other use or use beyond this is not considered to be in accordance with the intended use. The manufacturer is not liable for any damage resulting from this. The user bears the sole risk.

Observing the operating and maintenance instructions and carrying out maintenance work as well as adhering to the maintenance intervals are part of the intended use.

DANGER!

Persons who are not familiar with the operating instructions, children, young people and persons under the influence of alcohol, drugs or medication are not permitted to operate the machine.

4. FUNCTION

The vibrating screed is started by pulling out the recoil starter on the petrol engine. The aluminium profile is caused to vibrate by the imbalance - driven by the petrol engine. The vibrations of the aluminium profile ensure that the concrete is compacted and smoothed in one operation.

5. ENVIRONMENT

Please recycle waste and do not dispose of it as garbage. All tools, hoses and packaging must be sorted, taken to the local recycling center and disposed of in an environmentally friendly manner.

The site of use must be protected against contamination by leaking operating materials. Used or remaining operating materials must be recycled in accordance with the environmental protection regulations applicable at the site of use.

Please contact your local waste disposal authority to find out about options for environmentally friendly and proper disposal.

6. SPECIFICATIONS

Model	RB-A (drive for vibrating beam) 4-
drive	stroke OHV petrol engine 139FA 31
displacement	cm^3
rated power	0.9 kW (P1)* / 0.7 kW (P2) at 6500 rpm
fuel	Unleaded petrol RON 95
fuel content	0.9 liters
engine oil	SAE 10W-30 or 10W-40 ~
engine oil content	0.1 liters
operating weight	20 kg
Sound Performance Gel L_{WA}	103 dB(A)
hand and arm vibrations	not more than 2.5 m/s_2
whole-body vibrations	not more than 0.8 m/s_2

Accessories (optional):

aluminum profile lengths	2.5 meters, 3.5 meters or 4.5 meters

* Actual performance during continuous operation is likely to be lower due to operating limitations and environmental influences.

The technical data was valid at the time of printing and is subject to change without prior notice.

⚠ WARNUNG

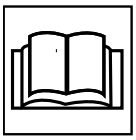
Read this documentation and the engine manual before operating the machine. Instructions on hazards, warnings and precautions must be strictly observed to minimize the risk of personal injury and property damage as well as incorrect service work.

7. SYMBOLS

These symbols represent important information about the machine or instructions for use.

DANGER!

This is about your safety. This symbol indicates a danger, warning or caution.



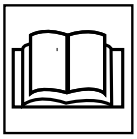
Read the operating instructions before using the device. Otherwise, the risk of injury to the operator and other persons increases.

Before cleaning, maintenance or repair work, switch off the engine and disconnect the spark plug connector.

⚠ GEFAHR

Health and explosion hazards from combustion engines

The engine's exhaust gases contain poisonous carbon monoxide. Being in an environment containing carbon monoxide can lead to unconsciousness and death. Do not run the engine in an enclosed space.



Before commissioning, read and observe the operating instructions and safety information carefully.

Keep the engine away from heat, sparks and flames. Do not smoke near the machine!

Petrol is extremely flammable and explosive. Before refueling, turn off the engine and let it cool down.

Use unleaded fuel RON95.

WARNING of hot surfaces. Risk of burns!

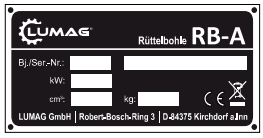
Do not touch hot engine parts. These remain hot for a short time even after the machine has been switched off.

Only carry out maintenance, servicing and cleaning work when the engine has cooled down.

Always wear hearing and eye protection when operating the machine. Wear a safety helmet appropriate for the work environment.

Wear protective gloves.

Wear safety shoes.



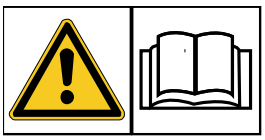
NAMEPLATE

Equipped with model name, year of manufacture and serial number. Please always state this information when ordering spare parts or for service information.

8. SAFETY INSTRUCTIONS

⚠ WARNUNG

Instructions on hazards, warnings and precautions must be strictly observed to minimize the risk of personal injury, property damage and improper servicing.



Please read the operating instructions carefully and familiarize yourself with the contents before using the machine.

Also, become familiar with the controls and how to use them properly. Learn how to stop the machine and turn off the controls quickly.

The user/operator is responsible for accidents or hazardous situations involving other people and their property. Incorrect operation or operation by inexperienced persons can be dangerous.

Children and young people under the age of 18 and untrained persons are prohibited from operating the machine.

8.1 GENERAL SAFETY REGULATIONS

The relevant accident prevention regulations as well as other generally accepted safety, occupational health and road traffic regulations must be observed.

The machine must be checked for operational safety before each use.

Be careful with rotating tools. Maintain a safe distance!

Be careful with tools that are running after the machine. The aluminum profile can continue to swing due to the imbalance. Do not get too close to the machine during this time. You may only work on the machine when the aluminum profile has come to a complete stop, the engine is in the OFF position (throttle lever is in the idle position) and the spark plug connector has been removed.

For transport on motor vehicles or trailers, switch off the machine's engine and remove the aluminum profile.

Operating the machine at a speed higher than that recommended in the 'Specifications' may cause engine damage.**A high speed increases the risk of accidents!**

8.2. WORK AND DANGER AREA

The user is responsible to third parties in the work area.

Other people, especially children, pets and livestock, are prohibited from staying in the danger area of the machine Always check the immediate area before starting and driving off.

Before starting work, the area to be worked on must be carefully inspected. Check the concrete properties before starting work.

Be careful when working near house walls, fences and other enclosures. Avoid movements that could cause the machine to tip over. Operate the machine in such a way that the operator is not crushed between the machine and a fixed object.

Never operate the machine in poor visibility or insufficient lighting conditions.

Avoid using the machine in bad weather. E.g. in heavy fog, rain, wind or extreme cold etc.

Check your surroundings for possible sources of interference that could distract your attention.

Be especially careful when walking around corners or objects that obscure your vision.

Never start or run the engine in a closed or poorly ventilated room. The engine's exhaust fumes contain carbon monoxide. Staying in an environment containing carbon monoxide can lead to unconsciousness and death. Only work with this device outdoors.

8.3. PERSONAL SAFETY

Do not operate the machine when you are tired or under the influence of drugs, alcohol or medicationthat could affect your ability to operate the machine properly.

Wear personal protective equipment (PPE).

- While workingalways **safety shoes**and**protective clothing**Do not work barefoot or in open sandals. Do not wear loose clothing, shorts or jewelry of any kind. Secure long hair so that it stays above shoulder height.
- While workingalways a good one**eye protection**and**hearing protection**carry.
- Wear solid**work gloves**, Leather gloves offer good protection. Protective gloves should also be worn when necessary - e.g. when assembling, maintaining or cleaning the aluminum profile.
- Wear a mask appropriate to the work environment**protective helmet**.
- **respiratory protection**to reduce the risk of inhaling hazardous dust.

DANGER!

Noise can be harmful to health. If the permissible noise level of 80 dB(A) is exceeded, ear protection must be worn

Check your machine before commissioning. Check that the mudguards and protective covers as well as the aluminum profile are correctly installed and working properly. Make sure that all nuts, bolts, etc. are securely tightened, especially the nuts on the profile.

The machine is designed for planing and compacting only. All other uses are not permitted.

Before use, check whether the rubber buffers and aluminum profile are worn or damaged. Always replace worn rubber buffers as a complete set. Never start the machine without the profile mounted.

It is important to avoid the aluminium profile hitting objects. This can cause the profile to become damaged and deformed.

Always place the machine on a dry and stable surface after use. Make sure that the profile does not come into contact with other objects.

Do not operate the machine if it is in poor mechanical conditionand repair is necessary. Replace damaged, missing or faulty parts before operation. Check the machine for any fuel leaks and worn profiles. Keep the machine in perfect condition.

Don't overextend yourself.**Always maintain a firm footing and safe balance when working.**This gives you better control over the machine in unexpected situations.

Take regular breaks while working Vibration or repetitive work may cause damage to hands and arms.

Always stand behind the machine when operating it. When working, always make sure that you hold the handles with both hands. Keep hands and feet away from the rotating parts of the engine or machine.

Do not tilt the machine when the engine is running. Special care must be taken when moving the machine backwards for work.

Never leave the machine unattended with the engine running. Turn off the engine.

Do not operate a machine if the engine switch (ignition switch) cannot be turned on and off. Defective switches must be replaced by a service workshop.

Avoid accidental starting. Make sure the engine switch is in the "OFF" position before transporting, maintaining or servicing the machine. Transporting or servicing the machine with the engine switch on can be dangerous.

8.4 SAFETY WHEN USING INTERNAL COMBUSTION ENGINES

⚠ GEFAHR

Internal combustion engines pose a particular danger during operation and when refueling. Always read and observe the warnings in the engine manual and the additional safety instructions listed further down in this manual. Failure to observe these instructions could result in serious or even fatal injuries.

Store fuel only in containers/canisters specifically approved for this purpose.

Fuel is highly flammable! Only refuel outdoors and never smoke. Smoking, sparks, open flames or other sources of ignition are not permitted near or when filling the fuel tank. Filling up with fuel in an enclosed space is not permitted.

Refuel the machine before starting the engine. Never remove the fuel tank cap or add fuel when the engine is running or is still hot. If the fuel lines are leaking, the machine must not be operated.

Carefully loosen the tank capso that the existing pressure in the tank can slowly be reduced.

Do not spill fuel!If fuel is spilled, do not start the engine. Move the machine away from the spilled area. Wait until the gasoline vapors have dissipated so that they cannot ignite.

Do not let the fuel tank overflow!(There should be no fuel above the upper limit mark.) Use suitable filling aids.

Screw the tank and the cap of the gas canister back on tightly.

Do not start or run the engine indoors, in a garage or in an enclosed space. The engine's exhaust fumes contain poisonous carbon monoxide. Staying in an environment containing carbon monoxide can lead to unconsciousness and death.

Be careful with hot engine parts!Running engines generate heat. Engine parts, especially the muffler, become extremely hot. Keep a safe distance from hot surfaces and keep children away from the running engine.

8.5 SAFETY WHEN OPERATING THE MACHINE

Before starting the engine, all controls must be switched to idle position.

Do not stand in front of the exhaust muffler when starting the engine.

Never lift, tilt or transport the machine while the engine is running.

When working, if the machine is moving backwards, special care must be takento avoid slipping or falling.**Be careful, risk of tripping!**

Never operate the machine at too high a speed.**Operate the machine at walking pace, depending on the concrete consistency.**

Always switch off the engine and wait until the profile has come to a stop when work is delayed or when moving the machine from one location to another.

Avoid accidental starting.**Turn off the engine in the following situations**:

- when leaving the machine
- before refueling
- before removing the aluminum profile
- when transporting, lifting or tilting the machine

Turn off the engine, disconnect the spark plug connector and unscrew the spark plug:

- before checking, cleaning or working on the machine

- after contact with foreign objects. Check the machine for any damage. Have the damage repaired before restarting the machine and continuing to work.
- if malfunctions or unusual vibrations occur

DANGER!
When working, always hold the machine's handles firmly with both hands.

Never operate the machine without protective and safety devices. Inappropriate or defective safety devices are a source of danger and can cause serious injuries.

If handled improperly, the aluminum profile can pose a significant risk of injury.**Make sure that the profile is correctly installed and securely fastened**Otherwise, serious injury may occur.

Never place tools or other objects under the machine.

8.6 SERVICE – SECURITY AND STORAGE

⚠ GEFAHR

Do not carry out any maintenance or cleaning work while the engine is running. Moving parts can cause serious injury.

Keep all nuts, bolts and screws firmly tightened. Always ensure that the machine is in a safe operating condition, especially check the fuel system for leaks

Do not use gasoline or other flammable solvents to clean machine parts. Vapors from fuels and solvents can explode.

Do not direct strong jets of water or other liquids at bearings, seals or engine partsotherwise the machine may be damaged.**Do not use a high-pressure cleaner to wash the machine**! Keep the handles dry, clean and free of foreign objects. Clean after each use.

Store fuel or the machine with fuel in the tank in a cool, well-ventilated area away from heat, open flames, sparks, or other sources of ignition.

Allow the engine to cool before storing the machine in an enclosed space.

Keep the engine and exhaust and battery box free of grass, leaves, excessive grease or exhaust buildupto reduce the risk of fire.

If protective devices and work tools are subject to wear, they must be checked regularly and replaced if necessary.(e.g. the rubber buffers)

Damaged aluminum profiles(cracked, chipped or otherwise damaged)**must be replaced immediately.** When replacing profiles, use suitable tools and wear protective gloves.

Replace a defective exhaust.

If you need to drain fuel from the tank, this should be done outdoors.

After maintenance and repair work, always install the protective and safety devices on the machine and put them in the protective position.

Make it a habit to check that all keys and adjustment tools have been removed before starting the machine. An open-end wrench or Allen wrench left in a rotating part can cause injury.

Use only approved parts. This machine complies with the relevant safety regulations. Repairs may only be carried out by an approved service center or our service team. Always replace damaged or worn machine parts with original spare parts. This ensures that the machine remains safe.

Observe the disposal laws and regulations for operating materials and operating materials with contaminated partsto protect the environment. Dispose of operating materials as hazardous waste, even if only small quantities are involved.

Store the machine in a lockable room out of the reach of children and unauthorized persons.

8.7 ELECTRICAL SYSTEM

People wearing pacemakers must not touch the live parts of the ignition system when the engine is running.

8.8 RESIDUAL RISKS AND PROTECTIVE MEASURES

Mechanical residual hazards

pulling in, catching

Rotating parts such as engine parts can pull in and catch loose clothing.

→ Always wear tight-fitting protective clothing. Do not wear scarves, shawls, etc.

Squeeze

Careless operation of the machine can result in serious injuries.

→ Be particularly careful on uneven terrain and on construction sites. Make sure you have a secure footing.

neglect of ergonomic principles

Negligent use of personal protective equipment (PPE)

Careless use or omission of personal protective equipment can result in serious injury.

→ Wear prescribed protective equipment.

Human behavior, misconduct

→ Always be fully concentrated on all work.

residual risk - Can never be ruled out.

Electrical Residual Hazards

Electrical contact

Touching the spark plug connector while the engine is running may result in an electric shock.

→ Never touch the spark plug connector or spark plug while the engine is running.

Thermal residual hazards

burns, chilblains

Touching the exhaust/housing may cause burns.

→ Allow the motor device to cool down.

danger from noise

hearing loss

Prolonged, unprotected work with the machine can lead to hearing damage.

→ Always wear hearing protection. *Hazards from materials and other substances*

contact, inhalation

The exhaust fumes from the machine can cause health damage.

→ Only use the power tool outdoors and take regular breaks.

fire, explosion

Fuel is flammable.

→ Smoking and open flames are prohibited while working and refueling.

Danger from vibration

whole-body vibration

Prolonged work with the machine can lead to physical impairments due to vibrations.

→ Take regular breaks.

Other hazards

Slipping, tripping or falling of persons

On unstable surfaces, you may be injured by tripping.

→ Be aware of obstacles in the work area. Always ensure you have a secure footing and wear safety shoes.

8.9 BEHAVIOR IN AN EMERGENCY

If an accident occurs, initiate the necessary first aid measures and request qualified medical assistance as quickly as possible.

When requesting assistance, please provide the following information:

- where it happened

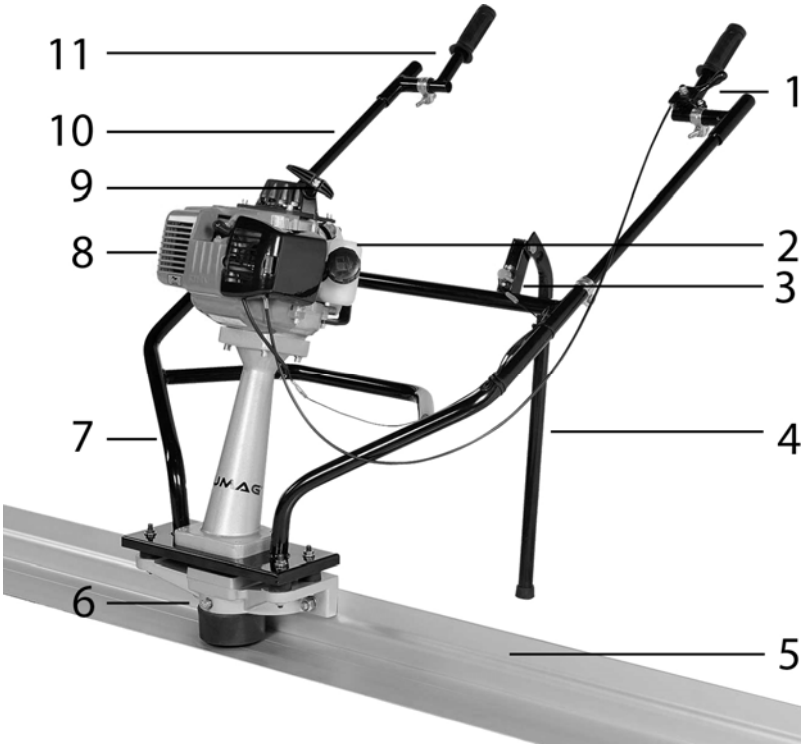
- what happened

- how many injured

- what type of injury

- waiting for questions

9. CONTROLS



1 throttle control lever
2 fuel tank
3 Engine switch / ignition switch (on/off switch)
4 support
5 Aluminum profile (strip profile / plank)
6 Grease nipple for exciter
7 mounting frame
8 gasoline engine
9 recoil starter (starter
10 rope) guide bar
11 handle

10. ASSEMBLY AND WORK PREPARATION

The machine is not ready for use upon delivery. For assembly, please follow the order of the steps below.
If you have any questions or problems during installation, please contact us. You can reach us by email:info@lumag-maschinen.de or by phone at +49 / (0)8571 / 92 556-0.

10.1 ASSEMBLY

Step 1 / Install the rubber block

1. Slide the rubber block onto the exciter. The two parts are very tight, you may need to use a rubber mallet to help.

Step 2 / Install the aluminum profile (strip profile / plank)

1. Place the aluminum profile in front of the exciter and make sure that the drill holes are aligned both horizontally and vertically. Fasten the profile to the exciter using the two plastic bushings and the screw set.

   Insert the plastic bushing on the front of the profile into the drill hole. Guide the screw with the spring washer and the washer through the aluminum profile from the other side (excitation side) and screw the profile together with the washer and the lock nut.

   mounting kit: 2 x plastic bushing
   2 x screw M12x50 2 x spring washer
   2 x shim
   2 x washer
   2 x lock nuts

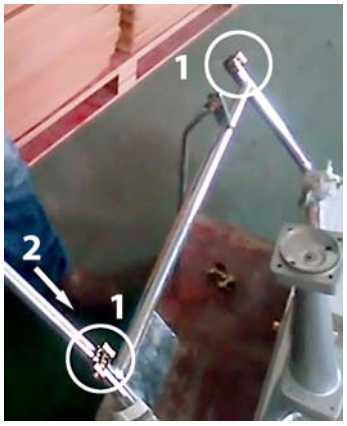

Step 3 / Install the support

1. Mount the support to the mounting frame with the M8x25 screw and lock nut.


Step 4 / Install the guide bar

1. Place the two clamps with the screw and lock nut onto the mounting frame.
2. Insert the two guide bars into the slot of the mounting frame and tighten the clamps.

mounting kit: 2 x clamps
2 x screw M8x40
2 x lock nut



Step 5 / Install the handles

1. First, place a clamp with the screw and lock nut on the handle. Mount the handle together with the clamp on the guide bar and tighten the clamp.
2. Slide the on/off switch (engine switch/ignition switch) to the other handlebar.
3. Now place the second clamp together with the screw and lock nut on the other handle. Mount the handle together with the clamp on the guide handle with the on/off switch and tighten the clamp. Turn the engine/ignition switch so that you can easily turn it on and off.

mounting kit: 2 x clamps
2 x screw M8x40
2 x lock nut
On/off switch with cable and plug connection

Step 6 / Install the gasoline engine

1. Mount the drive above the control unit using the four Allen screws, spring washers and shims.

mounting kit: 4 x Allen screw M6x35 2 x
spring washer
2 x shim

Step 7 / Connect the connectors

1. Connect the plug connections of the on/off switch (engine/ignition switch). Secure the cable with cable ties.

Step 8 / Install the throttle cable

1. Remove the air filter cover.
2. Attach the Bowden cable with the nipple to the screw on the engine/carburettor. Adjust the play correctly; there should be a slight amount of play in the throttle cable. Also check the adjustment of the return cable.
3. Reinstall the air filter cover.

Step 9 / Install the throttle control lever

1. Fasten the throttle control lever to the handlebar using the clamping screws. Position the lever below the on/off switch (engine/ignition switch).
2. Secure the Bowden cable to the handlebar with cable ties. Make sure that the Bowden cable is not pinched or damaged in any way during transport.

DANGER!
Finally, tighten all screws and bolts securely.

10.2 MOTOR

Before operating the engine, read the enclosed engine manual and the instructions below carefully. Only by following these operating instructions will you be able to ensure a long service life for the engine and maintain your warranty claim.

10.3. FUEL

You must refuel the machine before operating it.

⚠ GEFAHR

Petrol and oil are highly flammable. WARNING: Fire hazard!

Always follow the operating instructions provided by the engine manufacturer.

operating resources

	fuel	**engine oil**
variety	unleaded quality gasoline ROZ 95	SAE 10W-30 or 10W-40
filling quantity	approx. 0.9 liters	approx. 0.1 liters

⚠ GEFAHR

Never start or run the engine in enclosed spaces. CAUTION: Danger of poisoning!

- Store petrol and oil only in containers provided for this purpose.
- Only fill and empty petrol and oil outdoors when the engine is cold.
- Do not add petrol or oil while the engine is running.
- Do not overfill the tank (petrol expands).
- Do not smoke while refueling.
- Do not open the fuel tank cap when the engine is running or hot.
- Replace damaged tank or tank cap.
- Always close the tank cap tightly
- If petrol has spilled, do not attempt to start the engine. Move the machine away from the petrol-stained area. Avoid any attempt to start the engine until the petrol fumes have dissipated.
- If engine oil has leaked out, the engine must not be started. Soak up any leaked engine oil with an oil-binding agent or a rag and dispose of it properly. Clean the machine.
- Do not throw used oil in the trash, into the sewer, down the drain or on the ground. We recommend that you dispose of used oil in a closed container at a recycling center or service center.

refill engine oil

The oil tank is empty when delivered. Slowly fill the oil tank with oil. The engine oil should be changed for the first time after 10 hours of operation.

HINWEIS

Before each use, the oil level must be checked and the engine oil topped up if necessary! An oil level that is too low can lead to serious engine damage. In this case, the seller and manufacturer will not accept any warranty.

Use commercially available engine oil with the specification 10W-30 or 10W-40. Never use oil for two-stroke engines.

1. Unscrew the oil filler cap and store the cap in a clean place.
2. Pour in oil using a funnel.
3. Close the oil filler opening tightly and clean it.

When checking the oil level, the machine must be on a level surface. Check the oil level using the dipstick on the oil filler cap. Unscrew the oil filler cap, clean the dipstick in the cap and replace the cap without screwing it tight. Check the oil level on the dipstick. If the oil level is low, top up with engine oil up to the upper mark on the dipstick.

refilling gasoline

HINWEIS

The machine is equipped with a four-stroke engine. Make sure that there is sufficient oil in the oil tank.

Only use high-quality unleaded petrol RON 95. Never fill the machine with 2-stroke mixture, diesel or non-approved fuels.

1. Unscrew the tank cap and store it in a clean place.
2. Fill in gasoline using a funnel.
3. Close the tank filling opening tightly and clean it.

11. OPERATION

11.1 COMMISSIONING

Before you start using the machine, you must read and understand the instructions and the engine manual provided separately. The engine must be filled with oil and petrol as described there. See also the REFUELLING section, point 10.3 of the operating instructions.

⚠ WARNUNG

The machine must not be used with loose, damaged or worn tools or fastening parts! Always carry out a visual inspection before starting up.

Before the start

Make sure that no unauthorized persons are present in the work area.

Maintain the machine daily. Take into account the instructions in the MAINTENANCE section and follow the engine manufacturer's instructions.

Make sure that the spark plug cable is correctly seated on the spark plug.

11.2 STARTING THE ENGINE

⚠ GEFAHR

Never start or run the engine in enclosed spaces! Danger of poisoning! Do not tilt the machine when starting! Danger of injury!

- Only start the engine when the aluminum profile is securely mounted.
- When starting the warm engine, choke**NOT** use.
- Controller settings on the motor must not be changed.
- Make sure that your feet are at a sufficient distance from the profile.
- Place the machine directly on the concrete surface and start the engine.
- Always stand behind the machine when starting. The safety distance provided by the handlebar must always be maintained.

ATTENTION! As soon as the engine is running, the aluminum profile also vibrates.

Both ends of the profile must slide on the same surface. Do not work on different surface structures to avoid dipping into the wet concrete.

startup process

initial situation

1. Throttle lever on the handlebar is in the idle position.
2. Engine switch/ignition switch is in the OFF position. 

starting a cold engine

1. Activate the choke. When the engine is cold, push the choke lever all the way up. 
2. Turn the engine switch/ignition switch to ON. 

3. Pull the starter handle gently until you feel resistance. Then pull the rope out gently and quickly and let it run back slowly. Repeat until the engine starts. It is helpful to give it a little gas when starting. The throttle lever is on the handlebar.
4. Gradually push the choke lever back down while the engine is warming up. 
5. After the engine has warmed up (approx. 3 minutes), adjust the engine speed. Set the throttle lever to a position between MIN and MAX, corresponding to the desired engine speed.

starting a warm engine

If the engine is still warm from previous operation, use of the choke lever is usually not required. Follow the instructions above, but omit points 1 and 4, which refer to the choke.

11.3 IDLE

Place the throttle lever in the idle position to protect the engine when not working. Shifting the engine down to idle extends the life of the engine, saves fuel and reduces the noise level of the machine.

11.4 STOPPING THE ENGINE

To stop the engine in an emergency, turn the engine/ignition switch to the OFF position.

Under normal conditions, proceed as follows:

1. Move the throttle lever to the idle position.
2. Let the engine idle for 1-2 minutes.
3. Turn the engine/ignition switch to OFF.

HINWEIS

Do not set the choke lever to CHOKE to stop the engine. Danger of backfiring or damage to the engine!

DANGER!

The motor may continue to run. After switching off, make sure that the motor and tool have stopped.

11.5 LEVELING THE FLOORS

As soon as the vibration begins, the aluminum profile must be set in motion at a constant speed. To avoid pressure points in the concrete, the profile must not be switched off during smoothing.
The lower side of the profile must be kept horizontal to achieve the full effect of the vibrating beam.
Once the smoothing operation is complete, first switch off the motor and then stop the smoothing movement. If a second smoothing operation is carried out, the machine must not be pulled back over the compacted surface but must be brought to the starting position.

1. Place the machine at the beginning of the first lane.
2. Before starting work, spray formwork oil (concrete release agent) onto the aluminum profile so that the profile does not stick to the concrete.
3. Start the engine, see instructions above in point 11.2 of the operating instructions.
4. Adjust the vibration depending on the nature of the concrete.
5. Always move the machine backwards when smoothing concrete.
6. Pull the profile slowly and repeat if necessary if the surface being worked on is not sufficiently smooth and even. How fast you can move the machine depends on the consistency of the concrete.
7. When smoothing the next strip, the aluminum profile should overlap the finished strip by approx. 15 cm.
8. After finishing smoothing, remove the machine from the concrete track. Place the throttle lever in the idle position and turn the engine/ignition switch to OFF.
9. After use, place the machine on a dry and stable surface and clean the aluminum profile with water and a brush.
10. Remove the fuel from the fuel tank if the engine is not going to be used for a long time. Start the engine and let it run until all the fuel in the carburetor is used up and the engine stops.

HINWEIS

- *Make sure that the engine does not run dry. Top up fuel in good time and check the engine oil level.*
- *Prevent the aluminum profile from sinking into the concrete. Move the machine backwards immediately after starting the engine.*
- *For freshly poured concrete, we recommend first compacting it with an internal vibrator and then using a laser to level the concrete to the correct height before starting work with the vibrating screed.*

12. MAINTENANCE, CARE AND STORAGE

12.1 MAINTENANCE

ATTENTION! Before carrying out any repair, maintenance or servicing work, always switch off the engine and remove the spark plug connector.

- Check the tightness of all bolts and screws at regular intervals. Replace any faulty screws, nuts and bolts to avoid major damage to the engine or frame.

- The machine must always be in a safe working condition.
- Allow the engine to cool before turning off the machine.
- Check the aluminum profile regularly for damage.
- Regularly check the rubber buffers for wear and to ensure they are securely seated.
- Clean the machine after each use. Immediately remove any concrete residue from the aluminum rail and clean the rail thoroughly.
- Do not spray the engine with a strong jet of water. Penetrating water can cause problems with the ignition system/carburettor. Clean the engine with a brush or damp cloth.
- To ensure good cooling of the petrol engine, all ventilation openings must be free of grease and dirt. Check this at the end of each work process.
- For maintenance of the four-stroke engine, read the engine manual and follow the instructions. Check the engine oil level regularly and add or remove oil as necessary.
- Always replace defective silencers.

DANGER!
Do not spray the engine with a strong jet of water (e.g. high-pressure cleaner). Water can damage the engine or contaminate the fuel system

USE ONLY GENUINE SPARE PARTS AND ALUMINUM PROFILES. SPARE PARTS AND PROFILE OF INFERIOR QUALITY CAN CAUSE SIGNIFICANT DAMAGE TO YOUR MACHINE AND POSE A DANGER TO THE OPERATOR OF THE MACHINE

7.2 CLEANING

13.2 STARTER BATTERY

REPRESENT !

12.2. ALUMINUM PROFILE (DRAWAL PROFILE / PLAIN)

Clean the aluminum profile and the control unit daily. Under no circumstances should you use a steam cleaner or a hard water jet to remove coarse dirt.
To make cleaning the profile easier, some mold oil or TECTYL can be used

12.2. LUBRICATION OF PATHOGENS

Lubricate the vibrating beam's exciter every 10 hours of operation. Do not use too much grease. Use commercially available fluid grease to lubricate the exciter.

12.3. ENGINE CARE

change engine oil

1. Provide a suitable container to collect the oil.
2. Allow the oil to drain completely or suck it out through the oil filler opening.

Operating materials and parts contaminated with operating materials must not be allowed into the drinking water supply. Dispose of the operating materials as hazardous waste, even if only small quantities are involved.

Observe the engine manufacturer's instructions.

Change air filter

HINWEIS

Dirty air filters reduce engine performance due to insufficient air supply to the carburetor. Regular checks, especially in dusty atmospheres, are therefore essential!

⚠ GEFAHR

CAUTION! Never clean the air filter element with petrol or flammable solvents. Risk of fire or explosion!

Observe the engine manufacturer's instructions.

Check / replace spark plug

If the engine is running poorly, is difficult to start, or idles erratically, always check the spark plug before attempting any other action.

If the spark plug is dirty, clean it and check that the electrode gap is around 0.6 - 0.7 mm. Replace if necessary.

Recommended spark plug: Use C5HSB / CR5HSB (NGK) or similar type of spark plug.

WARNING Hot surfaces!

There are parts on the engine with hot surfaces, such as the exhaust muffler or the engine cooling fins. Wait until the engine has cooled down before carrying out any work on the engine.

Check, clean and replace spark plug

1. Allow the engine to cool down.
2. Remove the spark plug cap from the spark plug and remove any dirt in the spark plug area.
3. Unscrew the spark plug with the spark plug wrench and check it.
4. Check the insulator. If there is any damage such as cracks or splinters, replace the spark plug.
5. Clean the spark plug electrodes with a wire brush.
6. Check the electrode gap and adjust if necessary.
7. Carefully screw in the spark plug by hand and tighten it with the spark plug wrench.
8. Place the spark plug connector onto the spark plug.

HINWEIS

A loose spark plug can overheat and damage the engine. And over-tightening the spark plug can damage the threads in the cylinder head.

guideline:

> Used spark plug: 1/8 - 1/4 turn

> New spark plug: 1/2 turn

Observe the engine manufacturer's instructions.

12.4 STORAGE

The following steps should be taken to prepare the machine for storage:

- Allow the engine to cool down.
- Thoroughly remove concrete residue and deposits from the motor, aluminum profile and the machine using a wooden or plastic spatula.
- Keep cooling fins and the exhaust area free of dust, concrete residue and other deposits.
- Clean the machine and motor with a brush or a damp cloth.**CAUTION!**Avoid spraying with a strong water jet (e.g. high-pressure cleaner), as water could enter the ignition and fuel system and cause malfunctions.
- Treat all moving parts with an environmentally friendly oil (**Do not use fat!**) and run the machine briefly (let it run for 1-2 minutes).
- After the last smoothing and leveling of the season, empty the petrol tank (let it run dry). It is advisable to let the machine idle until the engine stops on its own. Residual petrol loses its ability to ignite over the winter - if you leave it in the tank, you may have problems starting the engine in the spring.

- Check the oil level. The machine should always be in good working order. If necessary, it is necessary to change the oil or seek help from a LUMAG specialist dealer. Otherwise, it is important to follow the operating instructions and the engine manufacturer's instructions and to use the recommended engine oil.
- Clean the air filter and replace it if it is heavily soiled or damaged.
- The aluminum profile should be intact before the next use. If cracks or notches are visible, it must be replaced immediately by a LUMAG specialist dealer.
- Worn or damaged parts must be replaced. Make sure that all screw connections are tightened.
- Disconnect the spark plug connector.
- Store the machine in a lockable room out of the reach of children and unauthorized persons.
- Store the machine and the associated tools well covered in a dust-free, dry room

13. TROUBLESHOOTING

Before any troubleshooting

- **Turn off the machine**
- **Wait for the puller to stop**
- **Remove the spark plug connector**

Disturbance	Disturbance	remedy
Engine cannot be started	fuel shortage	refill fuel
	recoil starter defective	Repair/replace recoil starter
	No engine oil	refill engine oil
	Spark plug does not ignite.	Clean or replace spark plug
	Choke is OFF when the engine is cold	Set the choke to the ON position
Engine is difficult to start or runs poorly	Too rich fuel mixture	Set the choke to the OFF position
	carburetor incorrectly adjusted	Adjustment by specialist dealer
	Faulty spark plug, dirty or incorrectly adjusted	Clean spark plug, adjust or replace new one
Engine gets too hot	Too little engine oil	refill engine oil
	cooling air system restricted	Clean the air grille, clean the internal cooling fins
	air filter dirty	Clean the air filter
	Carburettor not adjusted correctly.	Have the carburetor adjusted by a specialist dealer
engine too little power	air filter dirty	Clean the air filter
	Cylinder head loose or gasket damaged	Tighten cylinder head, replace gasket
	Too little compression	Have the engine checked by a specialist dealer
Vibrating beam has too little vibration	The centrifugal force of the unbalance is set too low	Unbalance or adjust the engine speed using the throttle
	Too much concrete in front of the aluminum profile	Remove concrete in front of the profile
	The aluminum profile is too large	Working with a shorter professional

Disturbance	Disturbance	remedy
Vibrating beam vibrates too much, the concrete cannot be smoothed	fastening screws loose	tighten the fastening screws
	ball bearings worn out	Replacing ball bearings
	Selected aluminum profile and imbalance do not match	Unbalance or adjust the engine speed using the throttle
The concrete looks wavy after processing	Operator moves the screed too slowly	Re-editing at a faster pace
	Too much vibration for the type of concrete	Reduce engine speed Repeat processing at higher speed
The aluminum profile is immersed in the wet concrete	Aluminum profile is not correctly adjusted	Both ends of the profile must slide on the same surface, not work on different surface structures

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

14. 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 GmbH 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.

Our guarantee only applies to:

- follow this manual
- proper treatment
- use of original spare parts

The guarantee expires in the event of:

- unauthorized repair attempts
- unauthorized technical changes
- improper use

The following are excluded from the guarantee:

- Paint damage due to normal wear and tear
- Wear parts such as cutting device, air and fuel filters, spark plugs, recoil starters, drive belts and the like.
- combustion engines (the warranty conditions of the respective engine manufacturers apply here)

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: + 49 / (0)8571 / 92 556-0
Fax: + 49 / (0)8571 / 92 556-19
E-mail: info@lumag-maschinen.de

15. EC DECLARATION OF CONFORMITY

In accordance with the provisions of the EC directives

Electromagnetic Compatibility 2004/108/EC
Machinery Directive 2006/42/EC

the company explains:

LUMAG GmbH
Robert-Bosch-Ring 3
D-84375 Kirchdorf/Inn
Telephone: +49 / (0)8571 / 92 556-0
Fax: +49 / (0)8571 / 92 556-19

that the product

Designation: vibrating beam
Type designation: RB-A

complies with the essential protection requirements of the above-mentioned EC Directives.

Person authorized to compile the technical documentation: Christopher Weißenhorner

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.

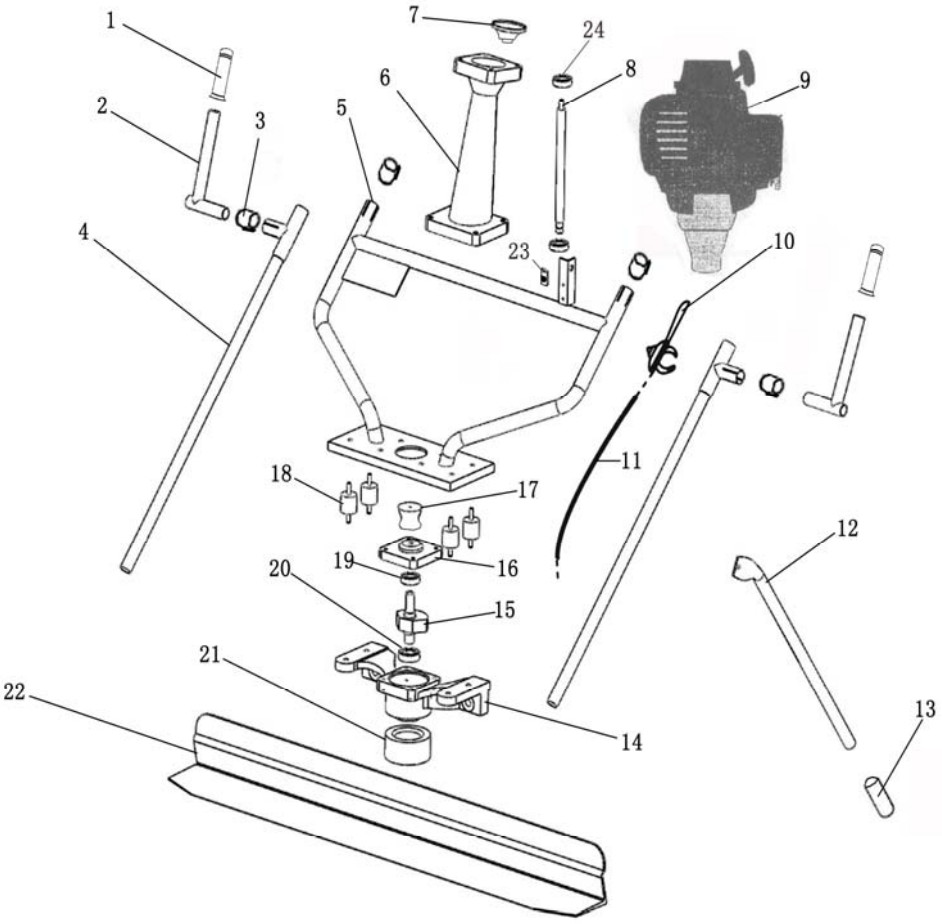
Kirchdorf, February 12, 2015 Manfred Weißenhorner, Managing Director

Place/Date

distributor, authorized representative

Signature

15. COMPONENTS OF THE MACHINE



part number	Number	Description
1	2	rubber grip
2	2	handle
3	2	mounting clamp (clip)
4	2	guide rail (handrail tube)
5	1	mounting frame (body frame)
6	1	housing of the drive shaft (upright post)
7	1	clutch (clutch assy, GX35)
8	1	drive shaft (principal axis)
9	1	gasoline engine 139FA (engine)
10	1	throttle control
11	1	throttle cable
12	1	support

part number	Number	Description
13	1	rubber foot (rubber support)
14	1 pathogen	exciter housing (base plate)
15		unbalanced shaft (eccentric gear)
16		cover plate
19		ball bearing 3202 (bearing)
20		ball bearing 3203 (bearing)
17	1	connecting flange (link block)
18	4	rubber buffer (bump stop)
21	1	rubber block (rubber cap)
22	1	aluminum profile/blade
23	1	on/off switch
24	1	ball bearing 6201

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Status: 02/2015 - RB-Av1