

Operating instructions

Saw blade sharpener

■ SBSM 700



SBSM 700


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Foreword

Dear Customer,

Thank you for purchasing the  **holzstar** Saw blade sharpener.

 Metalworking machines offer the highest level of quality, technically optimal solutions and impress with an outstanding price-performance ratio. Continuous development and product innovations ensure the latest technology and safety at all times.

Before using the saw blade sharpener, please read this manual thoroughly and familiarize yourself with its operation. Please also ensure that all persons operating the saw blade sharpener have always read and understood the manual beforehand. Keep this manual in a safe place near the saw blade sharpener.

information

This manual contains information on the safe and proper installation, operation, and maintenance of the saw blade sharpener. Continuous compliance with all instructions contained in this manual ensures the safety of both personnel and equipment.

The manual specifies the intended purpose of the saw blade sharpener and contains all necessary information for economical operation and a long service life.

The Maintenance section describes all maintenance work and functional tests that must be carried out regularly by the user.


The illustrations and information in this manual may differ from the current state of your saw blade sharpener. As a manufacturer, we continually strive to improve and innovate our products; therefore, changes may be made without prior notice. The illustrations of the saw blade sharpener may differ in some details from those in this manual; however, this does not affect the operation of your machine.

Therefore, no claims can be derived from the information and descriptions. We reserve the right to make changes and errors!

Your suggestions regarding this manual are an important contribution to optimizing the work we offer our customers. Please contact our customer service department if you have any questions or suggestions for improvement.

If you still have questions after reading this manual or if you cannot solve a problem using this manual, please contact your dealer.

Information about the manufacturer:

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Saw blade sharpener

SBSM 700

Article number

5903700

1 Security

Conventions of representation

-
- provides additional information
-
- calls you to action
-
- Lists
-

This part of the operating instructions

- explains the meaning and use of the warnings used in this manual,
- specifies the intended use of the saw blade sharpener,
- draws your attention to dangers that could arise for you and other persons if these instructions are not followed,
- informs you how to avoid dangers.

In addition to the operating instructions, please note




- the applicable laws and regulations, the legal
- provisions for accident prevention, the prohibition,
- warning and mandatory signs.

Always keep the documentation near the device.

1.1 Safety instructions (warnings)

Hazard classification

We divide safety instructions into different levels. The table below provides an overview of the assignment of symbols (pictograms) and signal words to the specific hazard and (possible) consequences.

pictogram	Signal word	Definition/Consequences
	DANGER!	Failure to observe this instruction will result in imminent danger which will result in serious injury or death. High degree of risk of hazard.
	WARNING!	Failure to observe this instruction may result in a potential hazard that could result in serious injury or death. Medium risk level of hazard.
	CAUTION!	Failure to comply or risky procedures may result in potential hazards that could result in personal injury or property damage. Low risk level of hazard.
	DANGER!	Situation that may cause property damage and impair the function of the product.
	information	Application tips and other important/useful information and notes. No dangerous or harmful consequences for persons or property.

Pictograms that indicate specific hazards



General
Warning signs



Warning about
electric
Tension



Warning about
Hand injuries



Warning of hot
surface



Warning about
automatic
Start-up



Warning of obstacles
on the ground



Warning: Danger of tipping!



Warning of floating
Load!



Warning about
flammable substances!

Pictograms indicating commands/prohibitions



Use protective clothing!



Use hearing protection!



Follow the instructions!



Unplug the power cord!



Use eye protection!



Use hand protection!



Use foot protection!

1.2 Intended use

The saw blade sharpener is used exclusively for sharpening circular saw blades with a diameter of 80 - 700 mm.

Part of the intended use is that you

- follow the operating instructions carefully,
- follow the inspection and maintenance instructions.



1.3 Reasonably foreseeable misuse

Any use of the saw blade sharpener that exceeds its intended use or is used in any other way is considered misuse. Operating personnel must be sufficiently qualified or have received appropriate, practical training to operate the saw blade sharpener. To avoid misuse, the operating instructions must be read and understood before use.

Possible misuses may include:

- Use of the saw blade sharpener on materials other than metal (e.g. processing stone, plastic).
- Operating the saw blade sharpener without the intended safety devices functioning.
- Bridging or modifying the protective devices.
- Failure to comply with maintenance instructions.
- Failure to observe signs of wear and damage.
- Service work by untrained or unauthorized personnel.
- Maintenance work on an unsecured machine.
- Deliberate or careless handling of the saw blade sharpener during operation.
- Installation of spare parts and use of accessories and operating materials not approved by the manufacturer.
- Commercial or industrial use of the saw blade sharpener.
- Processing circular saw blades that are too large or too small, so that safe working can no longer be guaranteed.
- Modifications to the saw blade sharpener or the use of modified tool systems.

WARNING!

If the saw blade sharpener is not used as intended

- **dangers arise for the staff,**
- **If the saw blade sharpener and other property of the operator are endangered,**
- **the function of the saw blade sharpener may be impaired.**



Improper use of the machine and disregard of the safety regulations or the operating instructions exclude the manufacturer's liability for resulting damage to persons or property and result in the expiration of the warranty claim!

1.4 Residual risks

Even if all safety regulations are observed and the machine is used correctly, residual risks still exist, which are listed below.

Mechanical risks

- Risk of injury during maintenance and service work.
- Risk of injury from moving parts if the machine operates after the safety covers have been removed.
- Heat development on components can lead to burns and other injuries.
- Risk of injury from moving machine parts at an inadmissible distance - too close to working machine parts.
- Risk of injury from the machine falling if the machine is handled incorrectly, transported or moved.
- Danger of direct or indirect contact with electrical parts (live parts) after removing the protective covers or after damaging the insulating parts.

1.5 Qualifications of staff

Target group

This guide is for

- the operators,
- the operators,
- the personnel for maintenance work.

Therefore, the warnings refer to both the operation and maintenance of the saw blade sharpener.

Clearly and unambiguously define who is responsible for the various activities on the saw blade sharpener (operation, maintenance and repair).

Unclear competencies are a security risk!

This manual lists the qualifications required by individuals for the various tasks:

operator

The operator has been instructed by the owner about the tasks assigned to him and the potential dangers associated with improper use. The operator may only perform tasks that go beyond normal operation if specified in these instructions and if the owner has expressly authorized him to do so.

qualified electrician

Due to their professional training, knowledge and experience as well as knowledge of the relevant standards and regulations, the qualified electrician is able to carry out work on electrical systems and to independently identify and avoid potential hazards.

The electrician is specially trained for the working environment in which he or she works and is familiar with the relevant standards and regulations.

Specialist staff

Due to their professional training, knowledge and experience as well as knowledge of the relevant regulations, qualified personnel are able to carry out the work assigned to them and to independently identify and avoid potential hazards.

Instructed person

The instructed person was informed by the operator about the tasks assigned to him and the possible dangers in case of improper conduct.

Authorized persons

Authorized persons for operation and maintenance are the instructed and trained specialists of the operator and the manufacturer.

Only authorized personnel may operate the saw blade sharpener! Improper use can pose a risk to people, machines, and the environment.

The operator must

- ensure that the personnel employed are technically and mentally suitable to operate the machine. Train
- the personnel,
- instruct staff at regular intervals (at least once a year) about
 - all safety regulations concerning the saw blade sharpener,
 - the operation,
 - the recognized rules of technology,
- check the level of knowledge of the staff,
- document the training/instructions,
- Have participation in training/instructions confirmed by signature, check whether the staff
- works in a safety-conscious manner and observes the operating instructions.

The operator must

- have received training in the use of metalworking machines, know their function and mode of operation,
- before commissioning
 - have read and understood the operating instructions,
 - be familiar with all safety devices and regulations.

1.6 General safety instructions

- Never work under the influence of illnesses that impair concentration, overtiredness, drugs, alcohol or medication.
- Protect the saw blade sharpener from moisture and humidity.
- Do not leave any tools, parts, or other materials on or near the saw blade sharpener that may pose a safety hazard.
- Keep children and people unfamiliar with the saw blade sharpener away from the work area. Keep the work area and the floor around the saw blade sharpener clear of any objects that could compromise your stability or pose a tripping hazard.
- Before and during work, check the danger area to ensure that no unauthorized persons are present there.
- When operating the machine, as well as during maintenance and repair work, the necessary personal protective equipment (safety goggles, protective clothing, safety shoes, hearing protection, etc.) must be worn. Non-slip footwear is recommended when operating the machine.
- Do not wear gloves near moving parts
- Switch off the device and unplug it before replacing consumables and wearing parts.
- Do not pull on the power cord to unplug the appliance. Protect the cord from heat, oil, and sharp edges.
- Immediately eliminate any faults that affect safety.
- Before each use of the saw blade sharpener, make sure that no parts are damaged. Replace damaged parts immediately to avoid potential hazards.
- Do not overload the saw blade sharpener! You'll work better and more safely within the specified power range.
- To avoid potential hazards and accidents, use only original spare parts and accessories. Only use the device when all safety devices are in place and operational. Do not remove or discard any safety devices.
- Wear tight-fitting clothing and remove any items that could get caught in the machine.
- Keep body parts away from moving parts of the machine. Disconnect the machine from the power supply before performing maintenance.
- Do not tamper with any other parts of the saw blade sharpener during operation. Chemicals and solvents that could damage painted surfaces should not be used in the immediate vicinity of the device.
- Never use the saw blade sharpener in environments
 - which contain unknown substances.
 - with risk of explosion or fire.
 - with poor ventilation.
- Ensure a sufficiently lit work area for machine operation. In the event of a malfunction or unusual behavior, operation must be stopped immediately until the cause is determined and the fault is rectified. Only then may the machine be put back into operation. Never leave the machine running unattended and wait until it comes to a complete stop.
- Never clean or remove chips while the machine is running.

FIRE HAZARD

- Make sure there are no flammable, ignitable materials near the work area.
- Have suitable extinguishing agents ready.
- Avoid the spread of open flames due to sparks, slag and glowing material.
- In the event of a fire, burning plastic parts can produce toxic emissions. Therefore, general fire safety regulations must be observed.
- The machine is not equipped with fire extinguishers. The operator is therefore required to equip the premises in which the machine is used with suitable fire extinguishing equipment of an approved type and in the appropriate number. They must be located in a visible area, protected from damage or misuse. The operator must be familiar with their use in accordance with applicable regulations.
- Electrical equipment must not be extinguished with water. Powder or halon fire extinguishers must be located in the premises, and operators must be familiar with their use. If a water or foam extinguisher is located near the equipment, it can be used after the power is turned off.
- The surface of electrical protective devices and surfaces on which increased heat generation is expected (e.g. electric motor) should be regularly cleaned of dust and other contaminants so that the efficiency of the surface cooling is not impaired.



1.7 Safety markings

The following safety markings and symbols are attached (Fig. 1-1), which must be observed and followed:



Fig.1-1: Safety signs - Prohibition signs: Operation with long hair prohibited, Operation with a tie prohibited | Mandatory signs: Observe instructions for use, unplug, wear eye protection, use respiratory protection | Warning signs: Warning of hand injury, Warning of electrical voltage

Notice:

Damaged or missing safety symbols on the saw blade sharpener can lead to incorrect handling, resulting in personal injury and property damage. The safety symbols attached to the saw blade sharpener must not be removed. Damaged safety symbols must be replaced immediately.



The following should be noted:

- If the safety signs fade or become damaged during the service life of the machine, new signs must be installed immediately.
- From the moment the signs are no longer immediately recognizable and understandable at first glance, the device must be taken out of service until the new signs are installed.





1.8 Safety data sheets

Safety data sheets for hazardous goods are available from your specialist dealer or by calling +49 (0)951/96555-0. Specialist dealers can find safety data sheets in the download area of the partner portal.

2 Technical data

General data	SBSM 700
Length (product) approx.	700 mm
Width/depth (product) approx.	382 mm
Height (product) approx.	295 mm
Weight (net) approx.	17 kg
Supply voltage / mains frequency	230 V / 50 Hz
Phase(s) / Current type	3 Ph / AC
Protection type (IP) / protection class	IP54 / 1
Engine power / engine speed	250 W / 2800 min ⁻¹
min. max. saw blade diameter	80 - 700 mm
Diameter of grinding wheel	125 mm
Grinding wheel bore	13 mm
Wide grinding wheel	10 mm
Grinding wheel type	diamond
Adjustment angle support table left	30°
Adjustment angle support table right	45°
Setting angle	±20°
Length of connection cable / cable type	1.8 m / H05VV-F
Sound power level LWA	69 dB(A)
Sound pressure level LpA	60 dB(A)

2.1 Nameplate

Sägeblattschärfgerät Saw blade sharpener		  	
Typ Type	SBSM 700	Serien-Nr. Serial no.	<input type="text"/>
Artikel-Nr. Item no.	5903700	Baujahr Year of manufacture	<input type="text"/>
Motorleistung Motor power	250 W	Netzanschluss Power connection	230 V/1~/50 Hz
Drehzahl Speed	2800 1/min	Gewicht Weight	17 kg
 www.holzstar.de		Stürmer Maschinen GmbH Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt Deutschland / Germany	

A

3 Transport, packaging, storage

3.1 Transportation

Upon delivery, inspect the saw blade sharpener for any visible transport damage. If you discover any damage to the device, report it immediately to the shipping company or dealer.

3.1.1 Information on transport

Improper transport of individual devices, packaged or unpacked, unsecured devices that are stacked on top of each other or next to each other is prone to accidents and can cause damage or malfunctions for which we assume no liability or guarantee.

Transport the scope of delivery to the installation site using a sufficiently dimensioned industrial truck, ensuring that it cannot be moved or tipped over.

The saw blade sharpener may only be transported with the motor switched off and disconnected from the power supply.

WARNING!

Risk of injury due to equipment tipping over or falling from a forklift, pallet truck or transport vehicle.

Only use transport equipment and load-slinging devices that can support the total weight.



3.1.2 General hazards during internal transport

WARNING RISK OF TIPPING!

The machine may only be lifted if it is adequately secured. Employees must stay out of the danger zone and out of reach of the load. Warn employees and inform them of the hazard.



Transport may only be carried out by authorized and qualified personnel. Insufficiently qualified personnel may fail to assess the risks involved in transporting the machine and may expose themselves and others to the risk of serious or fatal injury. Act responsibly during transport and always consider the consequences. Avoid daring and risky actions.

Particularly dangerous are inclines and declines (e.g., driveways, ramps, etc.). If driving on such sections is unavoidable, special caution is required.

Before starting transport, check the transport route for possible hazards, unevenness and faults as well as for sufficient strength and load-bearing capacity.

Hazardous areas, unevenness, and defects must be inspected before transport. The removal of hazardous areas, defects, and defects by other employees during transport poses significant risks.

Careful planning of internal transport is therefore essential!

3.2 Packaging

Keep the packaging for a possible move but at least during the warranty period

All packaging materials and packaging aids used for the saw blade sharpener are recyclable and must be recycled.

Shred cardboard packaging components and dispose of them in the waste paper collection.

The films are made of polyethylene (PE), and the padding is made of polystyrene (PS). These materials can be disposed of at a recycling center or with your local waste disposal company.

3.3 Storage

Store the saw blade sharpener thoroughly cleaned in a dry, clean, and frost-free environment. Do not store or transport the saw blade sharpener unprotected outdoors or in damp environments.

4 Device description

Illustrations in this manual are for general understanding and may differ from the actual design.

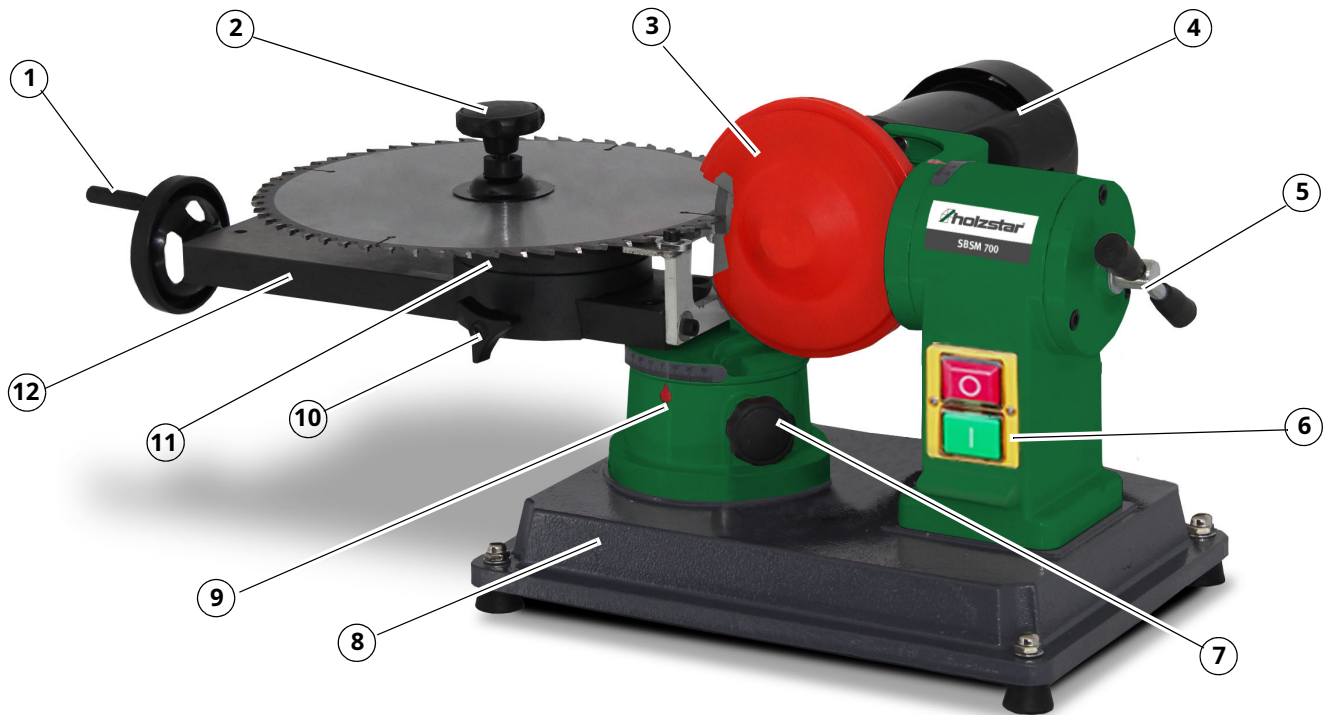


Fig.4-1: Main components

1	handwheel	7	Locking handwheel
2	Saw blade clamping device	8	Base plate
3	Grinding wheel cover	9	turntable
4	Electrical system	10	Locking handwheel
5	Locking handle	11	slider
6	ON/OFF switch	12	Support table

5 Commissioning

5.1 Requirements for the installation site

To ensure good functionality and a long service life of the saw blade sharpener, the installation location should meet the following criteria.

- The base frame must be level, stable and vibration-free.
- The installation location or work area must be dry and well ventilated.
- The installation location must have sufficient lighting (see Workplace Ordinance and DIN EN 12464).

5.2 Mains connection

Check that the voltage indicated on the rating plate matches the nominal voltage of your mains supply.

- The device may only be used with sockets and extension cables with protective contact plugs that have been installed by an authorized specialist.
- Use only approved extension cords. Keep the extension cord as short as possible. Make sure the extension cord does not pose a tripping hazard.

6 Operation

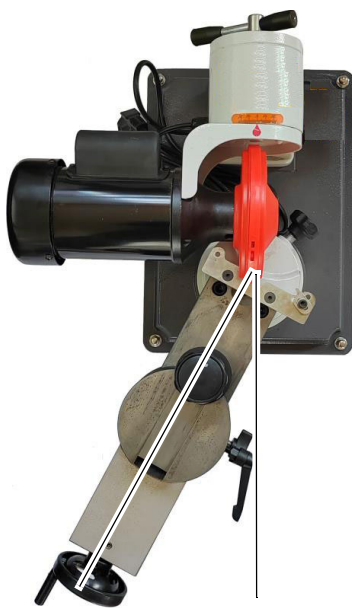
6.1 Installing the saw blade

- Remove the handle and the stuffing box of the saw blade clamping device (Pos.2, Fig. 4-1).
- Loosen the locking handwheel (item 10, Fig. 4-1), turn the handwheel according to the size of the saw blade, adjust the slider (item 11, Fig. 4-1) to the size of the saw blade, and tighten the handwheel again to lock.
- Place the saw blade on the slider, assemble the stuffing box and handle, and secure the saw blade.

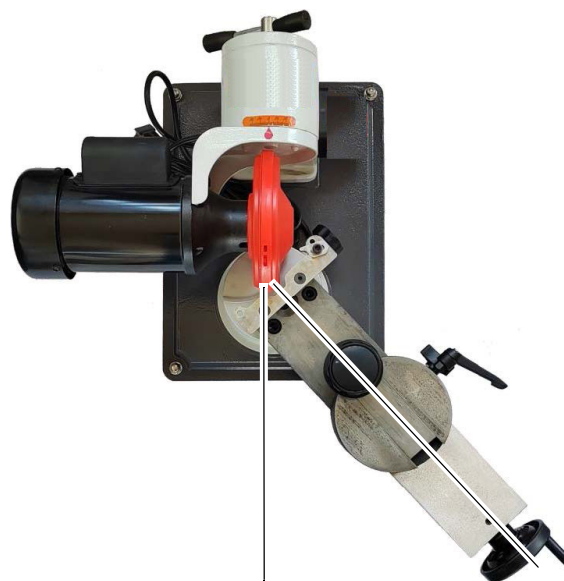
6.2 Adjusting the working angle

- Loosen the locking handwheel (item 7, Fig. 4-1) to allow the turntable to rotate. When you rotate the turntable, the slider (item 11, Fig. 4-1) rotates to the right or left.
- Turn the slider (item 11, Fig. 4-1) to the appropriate position according to the grinding angle of the saw blade to ensure the grinding angle of the sawtooth surface, and then lock the locking handwheel (item 7, Fig. 4-1).

By adjusting the working angle, a parallel alignment of the grinding wheel shoulder to the tooth face is achieved.



Max. adjustment angle of support table left 30°



Max. adjustment angle support table right 45°

Fig.6-1: Adjust the working angle

6.3 Adjusting the grinding block

There are three round holes on the connecting plate (item 2, Fig. 6-2). The positioning pin (Item 1, Fig. 6-2) can be installed according to the grinding requirements of the saw blade by adjusting and locking the position of the positioning plate to ensure the positioning of the saw blade during the grinding process.

The adjustable stop adjusts the tooth pitch and ensures repeatable machining of each tooth.



Fig.6-2: Adjusting the sanding block

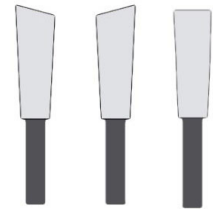


6.4 Grinding head adjustment

The grinding head can be swiveled by 20° in both directions.

This also allows for the processing of alternate tooth saw blades and the optimal inclination to be adjusted.

Hold the motor firmly by hand, loosen the locking handwheel (item 5, Fig. 4-1), turn the motor (item 4, Fig. 4-1) to the desired angle according to the rotation arrow and then lock the locking handwheel.



6.5 Rules

- The device is designed for sharpening saw blades made of hard alloys.
- The protective shield covers the teeth of the saw blade and other parts, prevents slipping and increases the grinding quality.
- The positioning pin can be adjusted to the optimal position to ensure the accuracy of the grinding blade.
- The grinding plate can rotate horizontally to ensure the correct grinding angle or to change it.
- The rotary table can be adjusted to adjust the working angle of the grinding blade. If the center axis is far from the direction of the grinding wheel and the diameter of the grinding wheel and saw teeth is larger than the angle of the saw blade, the grinding wheel and saw blade can be rotated 180° and the table adjusted to the required angle.

6.6 Grinding process

- Slowly move the grinding wheel towards the saw blade to be sharpened and do not apply any pressure while grinding, but let the grinding wheel slowly approach the saw blade.
The grinding wheel and the teeth of the saw blade are dangerous and can cause injuries!
- Turn the saw blade so that the grinding wheel is between the teeth of the saw blade.
- Switch on the device using the main switch (item 6, Fig. 4-1).
- Push the grinding wheel forward until it stops.
- Pull back the grinding wheel and rotate the saw blade to sharpen the next tooth.
- Repeat these steps until all teeth are ground.
- Interchangeable tooth saw blades:
 - First, set the desired working angle.
 - Now grind every second tooth according to the setting.
 - In the next step, adjust the working angle according to the teeth that have not yet been ground and grind them.

7 Fault table

DANGER:

Only qualified personnel may service and repair the welding machine! Always turn off the machine when troubleshooting.



Malfunctions that lead to the saw coming to an immediate stop.

Disturbance	Caused	Fix
Saw blade sharpener cannot be turn on	1. ON/OFF switch defective 2. Faulty electrical supply	1. Have the on/off switch replaced by a specialist. 2. Check connections and contacts. Plug the power plug into a suitable power outlet.
Grinding wheel rotates not	1. Motor defective	1. Have the motor replaced by an electrician.

8 Care, maintenance and repair

Regular and thorough maintenance of your saw blade sharpener is essential for a long service life, good working conditions, and maximum productivity. Ensure that maintenance work is performed regularly.

Warning! Danger if personnel are insufficiently qualified:

Insufficiently qualified persons cannot assess the risks to the user caused by improper repair work on the saw blade sharpener and expose themselves and others to the risk of serious injury.



Have all maintenance work carried out only by qualified personnel.

If maintenance and repair work on this machine is carried out by persons who are not authorized to do so, the warranty claim against the manufacturer will be void.

8.1 Cleaning and care

The machine must always be kept clean. Never use harsh cleaning agents for cleaning. These could damage or destroy components.

- All plastic parts and painted surfaces may only be cleaned with a soft, damp cloth and a little neutral cleaner.
- Remove excess grease with a dry, lint-free cloth.
- Always keep ventilation slots free of dirt.

8.2 Maintenance

Before sanding:

Before grinding, make sure all nuts and bolts are tightened. Check that the grinding wheel is properly mounted and not loose or cracked.

After work:

- Clean the device with a damp cloth.
- Check that the ventilation slots are clear.

9 Spare parts

Risk of injury due to the use of incorrect spare parts!

The use of incorrect or faulty spare parts may endanger the operator and cause damage and malfunctions.



Stürmer Maschinen GmbH assumes no liability or guarantee for

Damage and malfunctions resulting from failure to follow these operating instructions. For repairs, use only flawless and suitable tools, original spare parts, or standard parts expressly approved by Stürmer Maschinen GmbH.

The use of unauthorized spare parts will void the manufacturer's warranty.

Information about technical support

Repairs covered by the warranty may only be carried out by service technicians authorized by us.

9.1 Ordering spare parts

Spare parts can be obtained from your dealer.

Send a copy of the spare parts drawing with the marked components to the dealer and state the following:

- Article number
- Model name
- Date of manufacture
- Position numbers of the components and, if applicable, corresponding spare part drawing number
- Quantity
- Desired shipping method (mail, freight, sea, air, express)
- Shipping address

Spare parts orders without the above information cannot be considered. If the shipping method is not specified, shipping will be at the supplier's discretion.

Information about the model type, article number and year of manufacture can be found on the type plate attached to the saw blade sharpener.

Example

The motor for the SBSM 700 saw blade sharpener must be ordered. The motor is numbered 23 in the spare parts drawing.

When ordering spare parts, send a copy of the spare parts drawing with the component (engine) and position number (23) marked to the authorized dealer and provide the following information:

- | | |
|-------------------|----------|
| - Article number | 5903700 |
| - Model name | SBSM 700 |
| - Drawing number | - |
| - Position number | 23 |


Spare parts list

Pos.	Designation		Pos.	Designation
1	base		19	Cover
2	Rotatable seat		20	grinding wheel
3	turntable		21	Grinding wheel protection
4	Connection plate		22	Motor seat
5	Support table		23	Motor
6	screw		24	Housing
7	handwheel		25	Lid
8	handle		26	Locking handle
9	stuffing box		27	Switch
10	locking screw		28	Anchoring bolts
11	slider		29	Mother
12	work table		30	Fixing block
13	Sliding disc		31	rubber seal
14	Locking handle		32	Mounting grommet
15	Locking handwheel		33	screw
16	nut seat		34	Mounting grommet
17	screw seat		35	countersunk head screw
18	Locking handwheel		36	Mounting grommet

10 EU declaration of conformity

According to Machinery Directive 2006/42/EC Annex II 1.A

Manufacturer / Distributor: Stürmer Maschinen GmbH
 Dr.-Robert-Pfleger-Str. 26
 D-96103 Hallstadt

Product group:  Metalworking machines

Type designation: Saw blade sharpener Article number

Product name: * ☐ SBSM 700 5903700

Serial number: * _____

Year of construction: * 20_____

* Fill in these fields according to the information on the type plate

complies with all relevant provisions of the above-mentioned Directive and the other standards applied, including any amendments thereto in force at the time of the declaration.

Relevant EU directives: 2014/30/EU EMC Directive
 2011/65/EU RoHS Directive

The following harmonized standards were applied:

EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)
EN 62841-1:2015 + AC:2015 + A11:2022	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements
EN IEC 55014-1:2021	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar equipment - Part 1: Emission
EN IEC 55014-2:2021	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar equipment - Part 2: Immunity - Product family standard
EN IEC 61000-3-2:2019 + A1:2021	EMC - Part 3-2: Limits - Limits for harmonic currents (equipment input current ≤ 16 A per phase)
EN 61000-3-3:2013 + A1:2019 + A2:2021 + A2:2021/AC:2022	EMC - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with a rated current ≤ 16 A per phase not subject to special connection conditions

Name and address of the person authorized to compile the technical documentation: Kilian Stürmer,
 Stürmer Maschinen GmbH, Dr.-Robert-Pfleger-Str. 26, D-96103 Hallstadt



Kilian Stürmer (Managing
 Director) Hallstadt, 10 April 2024

11 Attachment

11.1 Copyright

The contents of this manual are protected by copyright and the sole property of Stürmer Maschinen GmbH. Their use is permitted within the scope of the saw blade sharpener.

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We strongly oppose any infringement of our intellectual property rights.

Technical changes reserved at any time.

11.2 Limitation of liability

All information and instructions in the operating instructions have been compiled taking into account the applicable standards and regulations, the state of the art and our many years of knowledge and experience.

In the following cases, Stürmer Maschinen GmbH assumes no liability for damages:

- Failure to follow the operating instructions,
- improper use, use of unqualified and untrained
- personnel, unauthorized modifications,
-
- Technical modifications, use of
- unauthorized spare parts.



The actual scope of delivery may differ from the explanations and illustrations described here in the case of special designs, the use of additional ordering options or due to the latest technical changes.

The obligations agreed in the supply contract, the general terms and conditions as well as the delivery conditions of the manufacturer and the legal regulations valid at the time the contract is concluded apply.

11.3 Storage

DANGER!

If incorrect and improper storage can Components of the Saw blade sharpener may be damaged or destroyed. Store the packaged or unpacked parts only under the specified environmental conditions.



Consult your dealer if the machine and accessories need to be stored for longer than three months and under environmental conditions other than those specified.

11.4 Disposal instructions / recycling options:

Please do not simply throw the packaging and later the used product into the environment, but dispose of both properly according to the guidelines established by your city/municipal administration or the responsible waste disposal company.

11.4.1 Decommissioning

CAUTION!

Obsolete equipment must be professionally taken out of service immediately to prevent future misuse and danger to the environment or people.



- Dispose of all environmentally hazardous operating materials from the old device.
- If necessary, disassemble the machine into manageable and recyclable components and assemblies.
- Dispose of the machine components and operating materials in the designated disposal methods.

11.4.2 Disposal of electrical equipment

Electrical devices contain a variety of recyclable materials as well as environmentally harmful components.

These components must be disposed of separately and properly. If in doubt, contact your local waste disposal service.

If necessary, the assistance of a specialised waste disposal company may be required for processing.

11.4.3 Disposal of lubricants

The lubricant manufacturer provides disposal instructions for the lubricants used. If necessary, ask for the product-specific data sheets.

11.5 Disposal via municipal collection points

Disposal of used electrical and electronic equipment (Applicable in the countries of the European Union and other European countries with a separate collection system for these devices).



The symbol on the product or its packaging indicates that this product shall not be treated as normal household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help protect the environment and the health of others. Improper disposal of this product can harm the environment and human health. Recycling materials helps reduce the consumption of raw materials. For more information about recycling this product, please contact your local council, your household waste disposal service, or the shop where you purchased the product.

12 Product monitoring

We are obligated to monitor our products even after delivery. Please let us know anything that might be of interest to us:

- Changed setting data.
- Experiences with the saw blade sharpener that are important for other users.
- Recurring malfunctions.

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