holzstar
Holzbearbeitungsmaschinen

Operating instructions

Oscillating belt and spindle sander

OBSS 100

OBSS 100

OBSS 100

imprint

Product identification

Belt and spindle sanders	Article number
OBSS 100	5903501

Manufacturer

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Information on the operating instructions

Original operating instructions

Output: July 28, 2020
Version: 1.04
Language: German

Author: MS/ES/FL

Contents

1 introduction

By purchasing the belt and spindle sander from HOLZSTAR you have made a good choice.

Please read the operating instructions carefully before commissioning.

This manual provides information on proper commissioning, intended use, and safe and efficient operation and maintenance of your belt and spindle sander. This manual is an integral part of the belt and spindle sander. Always keep this manual at the location where your belt and spindle sander is used. Please also observe the local accident prevention regulations and general safety regulations for the area of application of the belt and spindle sander.

1.1 Copyright

The contents of this manual are protected by copyright. Their use is permitted within the scope of the belt and spindle sander. Any other use is prohibited without the written permission of the manufacturer.

We register trademark, patent, and design rights to protect our products, wherever possible. We vigorously oppose any infringement of our intellectual property.

1.2 Customer service

If you have any questions about your belt and spindle sander or for technical information, please contact your dealer. They will be happy to provide you with expert advice and information.

Stürmer Maschinen GmbH
Dr.-Robert-Pfleger-Str. 26
D-96103 Hallstadt

Repair service:
Fax: 0049 (0) 951 96 555 - 55
E-mail: service@stuermer-maschinen.de

Ordering spare parts:
Fax: 0049 (0) 951 96555-119
E-mail: ersatzteile@stuermer-maschinen.de

We are always interested in information and experiences that arise from use and can be valuable for improving our products.

1.3 Limitation of liability

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

The manufacturer assumes no liability for damages in the following cases:

- Failure to follow these instructions
- Improper use
- Use of untrained personnel
- Unauthorized modifications
- Technical changes
- 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.

2 Security

This section provides an overview of all important safety packages for the protection of personnel and for safe and trouble-free operation. Further task-specific safety instructions are included in the individual chapters.

2.1 Explanation of symbols

Safety instructions

Safety instructions in this manual are marked with symbols. The safety instructions are introduced by signal words that express the extent of the hazard.

DANGER!

This combination of symbol and signal word indicates an immediately dangerous situation which, if not avoided, will result in death or serious injury.

WARNING!

This combination of symbol and signal word indicates a potentially dangerous situation which, if not avoided, will result in death or serious injury.

CAUTION!

This combination of symbol and signal word indicates a potentially dangerous situation which, if not avoided, may result in minor or light injuries.

DANGER!

This combination of symbol and signal word indicates a potentially dangerous situation which, if not avoided, could result in property damage and environmental damage.

A NOTICE!

This combination of symbol and signal word indicates a potentially dangerous situation which, if not avoided, could result in property damage and environmental damage.

Tips and recommendations

Tips and recommendations

This symbol highlights useful tips and recommendations as well as information for efficient and trouble-free operation.

To reduce the risk of personal injury and property damage and to avoid dangerous situations, the safety instructions contained in this operating manual must be observed.

2.2 Operator’s responsibility

The operator is the person who operates the machine himself for commercial or economic purposes or who makes it available to a third party for use or application and who bears legal product responsibility for the protection of the user, personnel or third parties during operation.

Operator’s obligations:

If the machine is used in a commercial setting, the operator is subject to legal obligations regarding occupational safety. Therefore, the safety instructions in this manual, as well as the safety, accident prevention, and environmental protection regulations applicable to the machine's area of use, must be observed. The following applies in particular:

- The operator must familiarize himself with the applicable occupational health and safety regulations and, in a risk assessment, identify additional hazards arising from the specific working conditions at the machine's location. These must be implemented in the form of operating instructions for the machine.
- The operator must check throughout the entire service life of the machine whether the operating instructions he has drawn up comply with the current regulations and adapt them if necessary.
- The operator must clearly regulate and define the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- The operator must ensure that all persons handling the machine have read and understood these instructions. Furthermore, the operator must train personnel at regular intervals and inform them of the hazards involved.
- The operator must provide the necessary protective equipment to the personnel and instruct them to wear the necessary protective equipment.

Furthermore, the operator is responsible for ensuring that the machine is always in perfect technical condition. Therefore, the following applies:

- The operator must ensure that the maintenance intervals described in this manual are observed.
- The operator must have all safety devices checked regularly for functionality and completeness.

2.3 Qualifications of staff

The various tasks described in this manual place different demands on the qualifications of the persons entrusted with these tasks.

WARNING!

Danger if people are not sufficiently qualified!

Insufficiently qualified persons cannot assess the risks involved in operating the machine and expose themselves and others to the risk of serious or fatal injuries.

- Have all work carried out only by qualified persons.

- Keep insufficiently qualified persons away from the work area.

Only persons who can be expected to perform the work reliably are permitted to perform any work. Persons whose reaction time is impaired, for example, by drugs, alcohol, or medication are not permitted.

In this operating manual, the qualifications of the persons for the various tasks are listed below:

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 operating 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.

Specialist staff:

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

Manufacturer:

Certain work may only be performed by the manufacturer's qualified personnel. Other personnel are not authorized to perform this work. Please contact our customer service department to have the required work performed.

2.4 Personal protective equipment

Personal protective equipment is designed to protect people from risks to their safety and health at work. Personnel must wear personal protective equipment while performing various tasks on and with the machine, as specifically indicated in the individual sections of this manual.

The following section explains personal protective equipment:

Hearing protection

Hearing protection protects against hearing damage caused by noise.

Safety glasses

The safety goggles are used to protect the eyes from flying debris.

dust mask

The dust mask protects the respiratory tract from dust.

protective gloves

The protective gloves are designed to protect your hands from sharp-edged components, as well as from friction, abrasions or deeper injuries.

Safety shoes

The safety shoes protect the feet from crushing, falling objects and slipping on slippery surfaces.

protective work clothing

Protective work clothing is tight-fitting work clothing, without protruding parts, with low tear resistance.

2.5 Safety markings on the belt and spindle grinder

The following safety markings are attached to the belt and spindle sander and must be observed and followed.

Fig. 1: Safety markings

The safety signs attached to the machine must not be removed. Damaged or missing safety signs can lead to incorrect handling, personal injury, and property damage. They must be replaced immediately. If the safety signs are not readily recognizable and understandable, the machine must be taken out of service until new safety signs have been installed.

2.6 Safety and accident prevention regulations

The following instructions must be followed by the operating personnel.

- The noise level (sound pressure level) of this machine can exceed 82 dB(A) at the workplace. In this case, sound and hearing protection measures for the operator are required and must be used.

Hearing protection

Please wear hearing protection when working with the device.

- Read the operating instructions before operating the machine.
- Never touch rotating or moving parts.
- Always report electrical faults to an electrician.
- Always keep work clothes, long hair, jewelry, etc. away from the machine.
- Switch off the machine when interrupting work.
- Wear appropriate safety clothing (accident prevention shoes, safety goggles, etc.).
- Check that safety devices are functioning correctly before starting work.
- Read and understand the safety instructions attached to the machine.
- Carry out regular maintenance.
- Do not overload the machine.
- If the machine is not operating normally, the supervisor must be informed immediately.
- Caution is advised when people are in the work area.
- Never modify the electrical system.
- Never remove mechanical or electrical safety devices.
- Particular attention must be paid during transport or reassembly; transport regulations must be followed.

3 Intended use

application

The belt and spindle sander is intended exclusively for sanding wood and wood-like materials (fiberboard, chipboard, plywood, laminated and non-laminated boards, etc.). Sanding other materials can result in fire, injuries, or damage. Observe the instructions in the operating manual and the warning signs on the machine. A suitable extraction system must be connected. The belt and spindle sander is suitable for private use, in schools, trade businesses, workshops, and for do-it-yourselfers, but not for industrial use. Proper use includes compliance with all information in this manual. Any use beyond the intended use or any use other than that specified is considered misuse.

WARNING!

Danger of misuse!

Misuse of the belt and spindle sander can lead to dangerous situations.

- Only operate the belt and spindle sander within the performance range specified in the technical data.
- Never bypass or override the safety devices.
- Never process materials other than those specified in the intended use.
- Only operate the belt and spindle sander when it is in perfect technical condition.
- Never process several workpieces at the same time.

Unauthorized modifications or changes to the belt and spindle sander may invalidate the CE conformity of the sander and are prohibited.

Stürmer Maschinen GmbH assumes no liability for constructive and technical changes to the belt and spindle sander.

Improper use of the belt and spindle sander as well as disregard of the safety regulations or the operating instructions excludes the manufacturer's liability for resulting damage to persons or objects and will void the warranty!

4 Technical data

4.1 Table

Model	OBSS 100
Max. grinding height	98 mm
Motor power in 230 V / 50 Hz	450 W
Sanding belt dimensions	610 x 100 mm
Engine speed	11500 rpm
Belt rotation speed	480 rpm
Table dimensions	430 x 410 mm
speed	2000 rpm
Oscillation stroke	16 mm
oscillation	58 minutes^{-1}
Spindle diameter	12.7 mm
Grinding sleeve diameter [mm]	13, 19, 26, 38, 51
Dimensions	530 x 480 x 480 mm
Suction nozzle diameter	38 mm
Protection class	II
Weight	12 kg
Article number	5903501

4.2 Nameplate

Fig. 2: OBSS 100 type plate

5 Transport, packaging, storage

5.1 Delivery and transport

delivery

Upon delivery, inspect the belt and spindle sander for visible transport damage. If you discover any damage to the belt and spindle sander, report it immediately to the shipping company or dealer.

transport

CAUTION!

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.

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.

General hazards during internal transport

CAUTION: RISK OF TIPPING

The device may be lifted unsecured by a maximum of 2 cm.

Employees must be outside the danger zone, the reach of the load.

Warn employees and inform them of the hazard.

Transport may only be carried out by authorized and qualified personnel. 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 disruptions must be inspected before transport. The removal of hazardous areas, unevenness, and disruptions by other employees during transport poses significant risks.

Careful planning of internal transport is therefore essential.

Transport with a forklift/pallet truck:

The belt and spindle sander can be transported with a forklift or pallet truck.

5.2 Packaging

All packaging materials and packaging aids used for the belt and spindle sanders are recyclable and must be recycled. Shredded cardboard packaging components should be disposed of with the waste paper collection system. The films are made of polyethylene (PE), and the padding is made of polystyrene (PS). These materials should be disposed of at a recycling center or with your local waste disposal company.

5.3 Storage

The belt and spindle sander must be thoroughly cleaned before storage in a dry, clean, and frost-free environment. Cover the machine with a protective tarpaulin.

6 Scope of delivery and accessories

6.1 Accessories

We recommend using only high-quality, original Holzstar accessories. Only with original accessories can flawless operation and optimal work results be guaranteed.

- Table inserts
- spindle discs
- Grinding rollers
- Sanding belts
- Sanding sleeve sets

6.2 Scope of delivery

Upon delivery, inspect the machine immediately for transport damage and missing parts. To do this, remove all individual parts from the box and compare them with the following illustration.

Fig. 3: OBSS 100 scope of delivery

7 Description

Fig. 4: Control elements

1 Star grip for belt adjustment 2
Sanding belt
3 work table, foldable
4 Sanding sleeve with sanding
roller 5 ON/OFF switch
6 Hole for anchoring 7
Spindle disc
8 table inserts
9 Clamping screw - table swivel 10
Extraction nozzle
11 Star grip for inclination of the tension pulley

8 Assembly and connection

DANGER!

Before starting any assembly work on the machine, it must be disconnected from the power supply.

The handling and working with the machine is only permitted to persons who are familiar with the handling and functioning of the machine.

Remove the machine from the packaging and all protective films. Ensure that the machine is not installed or operated in damp or wet conditions.

The humidity should not exceed 60% and the measured room temperature should be between 0°C and 40°C.

8.1 Anchoring

To ensure a secure stand, the machine should be secured to a stable base (e.g. workbench) using the holes provided in the machine base.

8.2 Electrical connection

DANGER!

Danger of death from electric shock!

Contact with live components is life-threatening. Live electrical components can perform uncontrolled movements and cause serious injuries.

DANGER!

All work on the electrical installation may only be carried out by a qualified electrician.

When connecting the power supply, ensure that the characteristics (voltage, mains frequency, fuse) match the specifications on the nameplate and for the motor.

Only operate the belt and spindle sander on an electrical supply that meets the following requirements:

- The power plug must be freely accessible.
- Use only a protective contact socket (properly earthed socket).
- Position the power cable so that it does not interfere with operation and cannot be damaged.
- Protect the power cord from heat, aggressive liquids and sharp edges.

The motor shuts down automatically in the event of an overload. After a cooling-off period (time varies), the motor can be restarted. The cause of the overload must be remedied first.

8.3 Connection for extraction system

When used in enclosed spaces, the machine must be connected to an extraction system. The flow velocity at the extraction port must be at least 20 m/s.

On the left side below the work table there is an extraction nozzle with a diameter of 38 mm for connection to an extraction system.

Mount the extraction hose of the extraction system to the extraction nozzle on the grinding machine (extraction nozzle diameter 38 mm).

The extraction system should be checked daily to ensure it is functioning properly. If the extraction system is not functioning properly or only partially, it must be repaired. Only then may the belt and spindle sander be put back into operation.

8.4 Assembly of the drive disc and the grinding sleeve

Step 1: Check that the machine is switched off and is disconnected from the power grid.

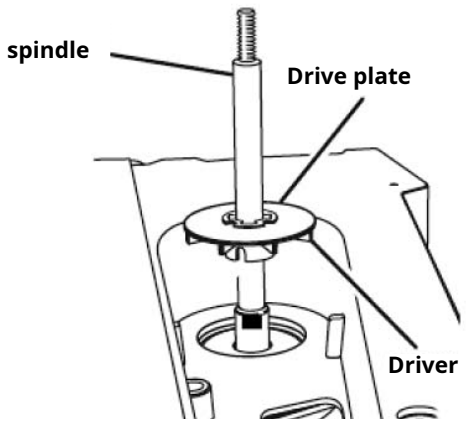

Fig. 5: Installing the drive plate

Step 2: Place the drive plate on the spindle (Fig. 5). Ensure that the drivers are facing downward. Carefully screw the drive plate downward until the drivers engage with the drive shaft.

Step 3: The cover and the corresponding table Insert the insert into the work table. Pull the grinding roller over the spindle.

Step 4: Now place the appropriate grinding sleeve over the
Pull out the sanding roller and tighten it with the appropriate spindle washer and nut.

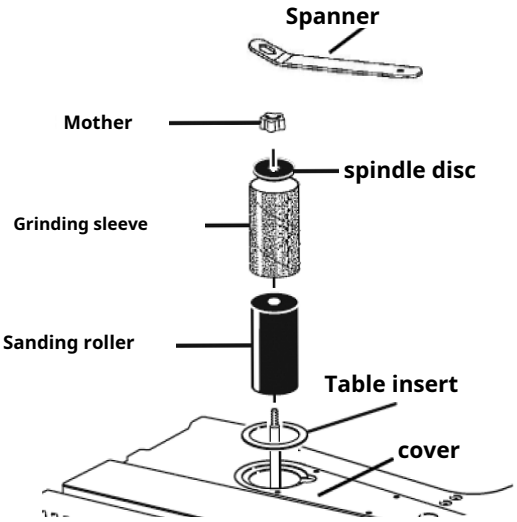

Fig. 6: Mounting the grinding sleeve

A NOTICE!

The grinding sleeve (13mm) is placed directly onto the spindle without a grinding roller.

8.5 Assembly of the belt sander

Step 1: Check that the machine is switched off and
is disconnected from the power grid.

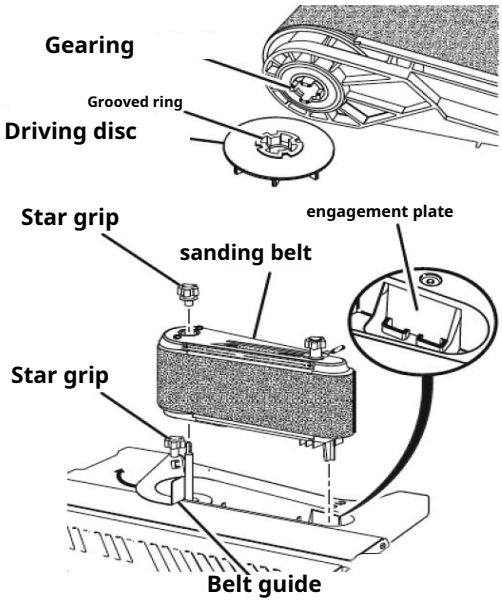

Fig. 7: Installing the belt sander

Step 2: Place the drive plate on the spindle
(Fig. 5). Ensure that the drivers are facing downward. Carefully screw the drive plate downward until the drivers engage with the drive shaft.

Step 3: Attach the belt sander and use the star grip
Clamp position 1 (Fig.8).

Step 4: With the lever position 2 (Fig.8) the grinding
tighten and relax the band.

Step 5: Adjust the inclination of the tension pulley with the star grip
Adjust position 3 (Fig.8).

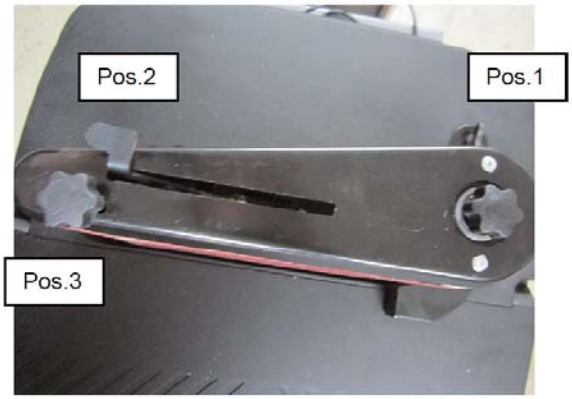

Fig. 8: Adjusting the belt sander

9 settings

DANGER!

Before performing any adjustments to the machine, it must be disconnected from the power supply. Only persons familiar with its operation and functioning are permitted to handle and operate the machine.

9.1 Swiveling the work table

Loosen the clamping screw by turning it and move the work table to the desired position. Then retighten the clamping screw.

Fig. 9: Swiveling the work table

9.2 Aligning the work table

To align the work table exactly at 90°, adjust the table to a right angle as shown in Figure 10. Then loosen the clamping screw for the table tilt and align the table. Retighten the clamping screw.

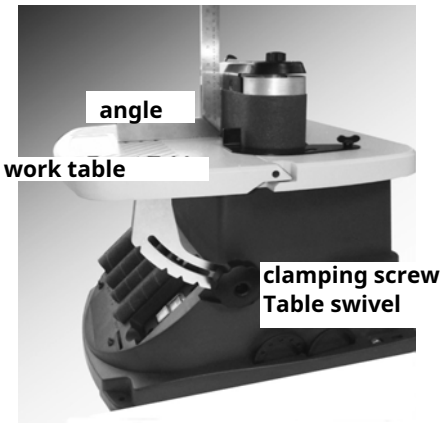

Fig. 10: Aligning the work table

9.3 Changing the sanding belt

Step 1: Check that the machine is switched off and is disconnected from the power grid.

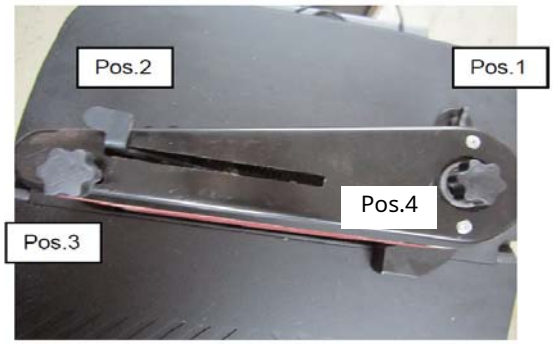

Fig. 11: Adjusting the sanding belt

Step 2: Loosen the clamping lever (Pos.2) to To relax the sanding belt.

Step 3: Remove the old sanding belt, the new Cover and align the sanding belt.

Step 4: Now tighten the sanding belt with the clamping lever (Pos.2) clamp.

Step 5: Briefly switch on the belt sander and con- Check whether the sanding belt is running centered.

Step 6: Adjust the running of the sanding belt over the track in- Adjust the adjusting screw (item 4). If the sanding belt moves toward the work table, turn the adjusting screw a quarter turn clockwise. If the sanding belt moves away from the work table, turn the adjusting screw counterclockwise.

A NOTICE!

To make it easier to put the sanding belt on and off, move it back and forth.

10 Operating the machine

10.1General

Please follow the instructions below to ensure your work achieves the expected success.

DANGER!

Certain types of wood and wood products produce harmful dust emissions during processing. Therefore, only operate your machine in a well-ventilated area, use an extraction system, and wear respiratory protection.

DANGER!

Rotating parts! Work wisely. Pay particular attention to rotating parts. Wear tight-fitting clothing. Make sure your hair or clothing doesn't get caught in rotating parts! Wear a hairnet.

No jewelry may be worn when working with the machine.

DANGER!

Flying chips and ejected debris! Be sure to wear safety goggles! Protect your eyes from flying chips and other debris.

DANGER!

Keep children and unauthorized persons away from the work area.

DANGER!

Do not overload the machine.

Wear protective goggles!

Wear a dust mask!

Wear hearing protection!

The following checks must be carried out before starting any work:

- Check all cables and connectors.
- Please note that there are different grits of sanding belts and sleeves for different jobs.
- Before starting the machine, make sure that the sanding belt or sanding sleeve runs freely and is not slowed down or blocked by any workpieces in front of it.

Functional test

The belt and spindle sander is delivered ready for use. A functional test should be performed before each use. The sanding belt must be properly tensioned.

Step 1: Move the sanding belt manually and then
Make sure it runs centered. If necessary, readjust the sanding belt using the belt travel adjustment screw.

Step 2: Use the belt and spindle sander for a short time
switch on and check the tape run again.

Step 3: Remove the belt and spindle sander
switch.

10.2 Selection of table inserts

DANGER!

Incorrect table inserts can cause dirt to get between the grinding surfaces and thus cause the workpiece to jam.

A NOTICE!

Always use the smallest table insert that fits over the sanding belt roller.

Grinding sleeve D inside [mm]	Table insert D inside [mm]	Spindle-disc D Outside [mm]
13	18	16
19	25	20
26	31	20
38	44	35
51	57	35

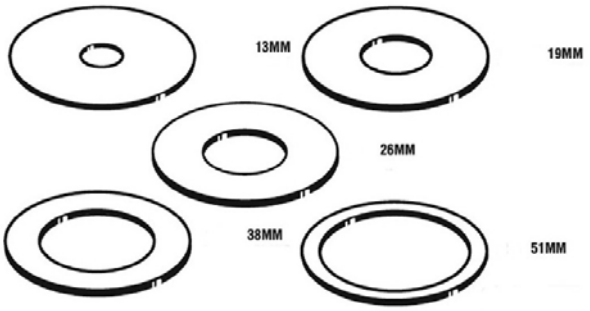

Fig. 12: Table inserts

10.3Workflow

The machine is switched off, disconnected from the power supply, the extraction system is connected to the extraction nozzle and the desired grinding sleeve is mounted.

Step 1: Plug in the power plug of the extraction system and the belt
and plug the spindle grinder into the socket.

Step 2: Switch on the extraction system.

Fig. 13: On / Off switch

Step 3: Turn on the belt and spindle sander.

Step 4: Process the workpiece: Place the
Place the workpiece on the work table, hold the workpiece firmly with both hands and apply light pressure to the sanding sleeve or sanding belt.

DANGER!

Do not apply too much pressure, as this will cause the sanding sleeve or belt to wear out too quickly. Never let your fingers come into contact with the sanding sleeve or belt! Observe the correct working direction! Only guide the workpiece against the rotation of the sanding sleeve or belt.

Step 5: After work:
Turn off the machine and unplug it. Turn off the extraction system and unplug it.

10.4 Instructions for the grinding process

When grinding, pay attention to the safety instructions and use the protective devices on the machine as well as your personal protective equipment (safety glasses, hearing protection, safety shoes, etc.).

- When sanding, do not press the material too hard against the sanding belt or sanding sleeve.

- Since the machine does not have any clamping facility, it is important that your workpiece rests on the work table as completely as possible and can be held firmly in place!
- Never grind an unsupported workpiece. Support the workpiece with the table.
- When machining large workpieces, you should use additional support at table height.

- Never grind workpieces that are too small for safe operation.
- Always remove waste pieces and other pieces from the table or sanding sleeve before switching on the machine.
- Ensure the sanding belt is in good condition and replace worn sanding belts or sanding sleeves in a timely manner. Only with flawless and original tools can you achieve good sanding quality!

- Never leave the work area when the machine is switched on or the tool has not come to a complete stop.

11 Cleaning, maintenance and in-maintenance/repair

DANGER!

Danger of death from electric shock!

Contact with live components is life-threatening. Live electrical components can perform uncontrolled movements and cause serious injuries.

- Before starting any cleaning or maintenance work, switch off the machine and unplug it.

- Connections and repairs to electrical equipment may only be carried out by a qualified electrician.

11.1 Cleaning

Wear protective gloves!

Wear protective work clothing!

A NOTICE!

Never use harsh cleaning agents for any cleaning work. This may damage or destroy the device.

As a general rule, the machine should be cleaned after each use. Remove chips and dust with a hand brush or brush while the machine is turned off.

DANGER!

Do not use abrasive or solvent cleaners to clean the belt and spindle sander. Use a damp cloth instead.

DANGER!

No water must get into the device!

DANGER!

Do not remove the chips with bare hands. There is a risk of cuts from the chips and the tool!

11.2 Maintenance

Maintenance and repair work may only be carried out by qualified personnel and should be repeated regularly to maintain the performance of the machine.

If the belt and spindle sander is not functioning properly, contact a specialist dealer or our customer service. You can find the contact details in Chapter 1.2 Customer Service.

A NOTICE!

- Check the sanding belt or sanding sleeves regularly for defects. Replace any damaged sanding belt or sanding sleeve immediately.

- Check the belt guides for correct adjustment at regular intervals. Release the tension on the sanding belt during longer breaks. Clean the machine regularly.

- Check daily that the extraction system is functioning properly.

- Replace damaged safety devices immediately.

- Connections and repairs to electrical equipment may only be carried out by a qualified electrician

The components inside the machine are maintenance-free.

sanding belt

The sanding belt is a wearing part that must be checked regularly for defects and replaced when worn.

Belt guide

Check the belt guide regularly for correct adjustment. If the belt and spindle sander is not used for an extended period, the sanding belt must be released.

12 Troubleshooting

Mistake	Possible causes	Elimination
Engine does not run	Damaged ON/OFF switch Damaged ON/OFF switch cable Relay damaged Engine defective Fuses defective	Have the machine checked by an electrician and replace any damaged parts
Machine slows down while working	Too much pressure is applied	Apply less pressure to the workpiece
Short service life of the Abrasives	Abrasives with too fine a grain	Use abrasives with coarser grain
Grinding angle does not fit	Set angles on the work table or stop angle do not fit	Check angle and adjust if necessary
Poor sanding pattern	Abrasives with too coarse a grain	Use abrasives with finer grain
Wood burns during sanding	The sanding sleeve or sanding belt is coated with lubricant. Excessive pressure is being exerted on the workpiece.	Replace the sanding sleeve or sanding belt. Reduce the pressure on the workpiece.
Sanding belt is not centered	Sanding belt not correctly positioned or belt path not correctly adjusted.	Adjust the belt path of the sanding belt.
Strong vibration	Sanding sleeve or sanding belt loosely mounted Grinding sleeve or grinding roller or grinding belt defective spindle strikes	Tighten the sanding sleeve or sanding belt Replace the sanding sleeve or sanding roller or sanding belt. Repair by the service

13 Disposal instructions/recycling utilization options

Please dispose of your device in an environmentally friendly manner by disposing of waste properly and not in the environment.

Please do not simply throw away the packaging or the old device, but dispose of both according to the guidelines established by your city/municipal administration or the responsible waste disposal company.

13.1 Decommissioning

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

Step 1: Remove all environmentally hazardous operating materials from remove from the old device.

Step 2: If necessary, convert the machine into manageable and dismantle reusable assemblies and components.

Step 3: The machine components and operating materials to the designated disposal routes.

13.2Disposal of new device packaging

All packaging materials and packaging aids used in the machine are recyclable and must be recycled.

The packaging wood can be disposed of or recycled.

Cardboard packaging components can be shredded and put into the waste paper collection.

The films are made of polyethylene (PE), and the padding is made of polystyrene (PS). These materials can be reused after processing if they are handed over to a recycling center or to your local waste disposal company.

Only pass on packaging material in a sorted form so that it can be recycled directly.

13.3Disposal of electrical equipment

A NOTICE!

Please contribute in your own interest and in the interest of the Environment, ensure that all components of the machine are disposed of only via the designated and approved methods.

Please note that electrical devices contain a variety of recyclable materials as well as environmentally harmful components.

Please help ensure that these components are separated and disposed of properly. If in doubt, please contact your local waste disposal authority.

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

13.4 Disposal of lubricants

DANGER!

Please ensure that the lubricants used are disposed of in an environmentally friendly manner. Follow the disposal instructions provided by your local waste disposal company.

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

13.5Disposal 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. Incorrect disposal 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.

14 spare parts

DANGER!

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.

- Only original spare parts from the manufacturer or spare parts approved by the manufacturer may be used.
- If you have any questions, please always contact the manufacturer.

Tips and recommendations

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

14.1 Ordering spare parts

Spare parts can be obtained from authorized dealers or directly from the manufacturer. Contact details can be found in Chapter 1.2 Customer Service.

Please provide the following key information when making inquiries or ordering spare parts:

- Device type
- Item number
- Position number
- Year of construction
- Crowd
- 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 device type, article number and year of manufacture can be found on the type plate attached to the device.

Example

The spindle for the belt and spindle sander must be ordered. The spindle has the position number 80 in the spare parts drawing.

When ordering spare parts, send a copy of the spare parts drawing (1) with the component (spindle) and the marked position number (80) to the authorized dealer or the spare parts department and provide the following information:

- Device type:**Belt and spindle sanders**
- Item number:**5903501**
- Drawing number: 1
- Position number:**80**

14.2 Spare parts drawing

The following drawing is intended to help identify necessary spare parts in the event of service. To order, send a copy of the parts drawing with the marked components to your authorized dealer.

Spare parts drawing OBSS 100

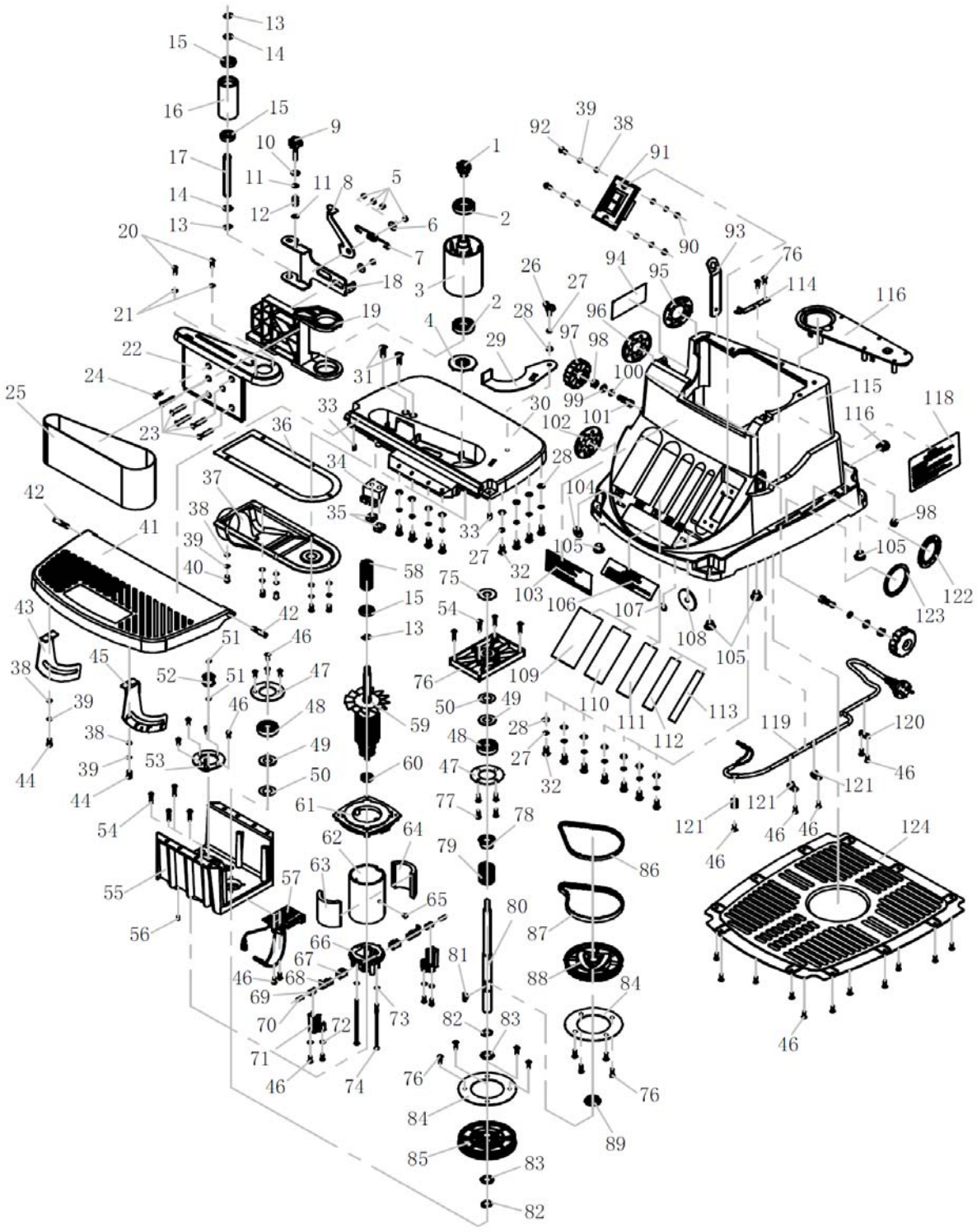

Fig. 14: Spare parts drawing OBSS 100

15 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

hereby declares that the following product

Product group:	Holzstar® woodworking machines
Machine type:	Belt and spindle sanders
Name of the machine:	OBSS 100
Item number:	5903501
Serial number*:	_____
Year of manufacture*:	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 applicable Directives (hereinafter) – including any amendments thereto in force at the time of the declaration.

Relevant EU directives:	2014/30/EU	EMC Directive
	2012/19/EU	WEEE Directive

The following harmonized standards were applied:

DIN EN 62841-1:2015	Electric motor-operated hand-held tools, portable tools and lawn and garden machinery - Safety - Part 1: General requirements; German version EN 62841-1:2015
DIN ISO 12100-1:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)
Documentation Responsible:	Kilian Stürmer, Stürmer Maschinen GmbH, Dr.-Robert-Pfleger-Str. 26, D-96103 Hallstadt

Hallstadt, January 12, 2017

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Kilian Stürmer
Managing Director

CE

16 notes


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OPTIMUM