holzstar
Holzbearbeitungsmaschinen

Instruction manual

Oscillating belt & spindle sanding machine

OBSS 100

OBSS 100

OBSS 100

Imprint

Product identification

Belt & spindle sanding machine	Item number
OBSS 100	5903501

Manufacturer

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

Fax: 0049 (0) 951 96555-55
E-Mail: info@holzstar.de
Internet: www.holzstar.de

Indications regarding the operating instructions

Original instructions

Edition: 28.07.2020
Version: 1.04
Language: English

Author: MS/ES/FL

Indications regarding the copyright

Contents

1 Introduction

You have made a good choice by purchasing the Belt & spindle sanding machine made by HOLZSTAR.

Thoroughly read the operating instructions before commissioning the machine.

It informs you about the proper commissioning, the intended use as well as the safe and efficient operation and maintenance of the Belt & spindle sanding machine.

The operating instructions are part of the Belt & spindle sanding machine. Always keep it at the place of use of the Belt & spindle sanding machine. Furthermore, the local accident prevention regulations and the general safety notes are applicable for the field of application of the Belt & spindle sanding machine.

The illustrations in these operating instructions serve the general comprehension and may deviate from the actual type.

1.1 Copyright

1.2 Customer service

Please contact your dealer if you have questions on the machine or if you need technical advice. They will help you with specialist information and expert advice.

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

Spare part orders:
Fax: 0049 (0) 951 96555-119
E-Mail: ersatzteile@stuermer-maschinen.de

We are always interested in valuable experience and knowledge gained from using the application, which then could be shared and be valuable to develop our products even further.

1.3 Limitation of liability

All information and notes in these operating instructions were summarised taking the applicable standards and rules, the state-of-the-art and our long-term knowledge and experiences into consideration.

In the following cases the manufacturer is not liable for damages:

- Non-observance of the operating instructions,
- Inappropriate use
- Use of untrained staff,
- Unauthorised modifications
- Technical changes,
- Use of not allowed spare parts.

The actual scope of delivery may deviate from the explanations and presentations described here in case of special models, when using additional ordering options or due to latest technical modifications.

The obligations agreed in the delivery contract, the general terms and conditions as well as the delivery conditions of the manufacturer and the legal regulations at the time of the conclusion of the contract are applicable.

2 Safety

This paragraph will give you an overview of all important safety packages for the protection of the people using it well as for a safe and undisturbed operation. Other task-based safety notes are included in the individual chapters.

2.1 Symbol explanation

Safety instructions

The safety notes in these operating instructions are highlighted by symbols. The safety notes are introduced by signal words which express the concern of the risk.

DANGER!

This combination of symbol and signal words indicates an imminently dangerous situation which may lead to death or severe injuries if they are not avoided.

WARNING!

This combination of symbol and signal word indicates a potentially dangerous situation that can lead to death or serious injury if not avoided.

CAUTION!

This combination of symbol and signal word indicates a potentially dangerous situation that can result in minor injury if it is not avoided.

ATTENTION!

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to property and environmental damages if they are not avoided.

NOTE!

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to property and environmental damages if they are not avoided.

Tips and recommendations

Tips and recommendations

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

It is necessary to observe the safety notes quoted in these operating instructions in order to reduce the risks for personal injuries and damages to property.

2.2 Obligations of the operating company

The operating company is the person who operates the machine for business or commercial reasons by herself, or leaves it to a third party for use or application, and who bears the legal product responsibility for the protection of the user, the staff or for third parties.

Obligations of the operating company:

If the machine is used for commercial purposes, the operating company must comply with the legal working safety regulations. Therefore, the safety notes in this operating manual, as well as the safety, accident prevention and environment protection regulations applying for the area of application of the machine must be met. The following applies in particular:

- The operating company must be informed about the applying industrial safety regulations and further analyse hazards resulting from the special working conditions at the place of use machine. She must implement these in form of operating manuals for the operation machine.
- During the entire lifetime of machine, the operating company must verify whether the operating manuals prepared by her correspond to the current status of the regulations, and must adapt these if necessary.
- The operating company must unambiguously regulate and determine the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- The operating company must ensure that all persons who work with machine, have read and understood this manual. Furthermore she must instruct the staff in regular intervals and inform them about the hazards.
- The operator must provide the necessary protective equipment to the staff and order the use of the necessary protective equipment in a binding way.

Furthermore the operating company is responsible to keep the Machine always in a technically flawless state. Thus, the following applies:

- The operator must ensure that the maintenance intervals described in this manual are kept.
- The operator must have all safety devices checked regularly for their good working order and their integrity.

2.3 Qualification of personnel

The different tasks described in this manual represent different requirements to the qualification of the persons entrusted with these tasks.

WARNING!

Danger in case of insufficient qualification of the staff!

Insufficiently qualified persons cannot estimate the risks while using machine and expose themselves and others to the danger of severe injuries.

- Have all works only performed by qualified persons.
- Keep insufficiently qualified persons and children out of the working area.

Only persons reliable working procedures can be expected from, are allowed to perform all works. Persons the responsiveness of which is affected by e. g. drugs, alcohol or medication, are not allowed to work with the machine.

The qualifications of the personnel for the different tasks are mentioned below:

Operator:

The operator is instructed by the operating company about the assigned tasks and possible risks in case of improper behaviour. Any tasks which need to be performed beyond the operation in the standard mode must only be performed by the operator if it is indicated in these instructions and if the operating company expressively commissioned the operator.

Electrical specialist:

Due to his professional training, knowledge and experience as well as his knowledge of respective standards and regulations the electrical specialist is able to perform works on the electrical system and to recognise and avoid any possible dangers himself.

Specialist staff:

Due to their professional training, knowledge and experience as well as their knowledge of relevant regulations the specialist staff is able to perform the assigned tasks and to recognise and avoid any possible dangers themselves.

Manufacturer:

Certain works may only be performed by specialist personnel of the manufacturer. Other personnel is not authorized to perform these works. Please contact our customer service for the execution of all arising work.

2.4 Personal protective equipment

The personal protective equipment serves to protect persons against impairments of safety and health while working. The staff has to wear personal protective equipment while performing different works on and with grinding system which are indicated in the individual paragraphs of these instructions.

The personal protective equipment is explained in the following paragraph:

Ear protection

The hearing protection protects the ears against damages of hearing due to noise.

Eye protection

The protective goggles protect the eyes against parts flying off and splashes of liquids.

Breathing protection

The breathing protection serves for protecting the respiratory passages and the lung against the intake of dust particles.

Protective gloves

The protective gloves serve to protect the hands against sharp components as well as against friction, abrasions or deep injuries.

Safety boots

The safety boots protect the feet against crushes, falling parts and slipping over on slippery underground.

Protective clothes

The protective clothes are tight clothes of little tensile strength.

2.5 Safety signs on the Machine

The following safety signs and notes are applied on the grinding system (fig. 1), which need to be observed and followed.

Fig. 1: Safety signs

Damaged or missing safety symbols at the machine may lead to errors with personal and material damages. The safety symbols which are applied on the machine must not be removed. Damaged safety symbols must be replaced immediately.

The machine must be put out of operation from the moment when the labels are unable to be recognized and understood at first glance, until new labels are attached.

2.6 Regulations for safety and accident prevention

The following instructions are to be followed by the operating personnel.

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

Ear protection

Please wear ear protection when working with the device.

- Before operating the machine, read the operating instructions.
- Never touch rotating or moving parts.
- Always report electrical faults to an electrician.
- Always keep work clothes, long hair, jewelery etc. away from the machine.
- Switch off machine when work is interrupted.
- Wear suitable safety clothing (accident prevention shoes, safety glasses, etc.).
- Check safety devices for correct function before starting work.
- Read and understand safety instructions attached to the machine.
- Perform 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 change the electrical system.
- Never remove mechanical or electrical safety devices.
- Special attention is needed during transport or reconstruction; The transport regulations must be followed.

3 Intended Use

The Belt & spindle sanding machine is used exclusively for sanding wood and wood-like materials (wood fiber board, chipboard, plywood boards, laminated and non-laminated boards, etc.). Grinding other materials can result in fire, injury or damage. Please pay attention to the instructions in the operating instructions as well as the information signs on the machine. It must be connected to a suitable extraction system. The belt and spindle grinder is suitable for private use, in schools, craft shops, workshops and for home improvement, not for industrial use. Proper use also includes compliance with all information in this manual. Any use beyond the intended use or otherwise is considered misuse.

WARNING!

Risk of misuse!

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

- Operate the belt and spindle grinder only in the power range specified in the technical data.
- Never bypass or override the safety devices.
- Never work on other materials than specified in the intended use.
- Only operate the belt and spindle grinder in a technically perfect condition.
- Never work on several workpieces at the same time.

Unauthorized modifications or changes to the belt and spindle grinder may void the CE conformity of the Machine and are prohibited.

The company Stürmer Maschinen GmbH assumes no liability for design and technical changes to the belt and spindle grinder.

The improper use of the belt and spindle grinder as well as the disregard of the safety regulations or the operating instructions exclude a liability of the manufacturer for resulting damage to persons or objects and will invalidate the guarantee!

4 Technical Data

4.1 Table

Type	OBSS 100
Max. Grinding height	98 mm
Rating	450 W
Grinding belt	610 x 100 mm
Motor speed	11500 min^{-1}
Belt rotation speed	480 U/min
Table size	430 x 410 mm
Sanding device speed	2000 rpm
Oscillation stroke	16 mm
Oscillation	58 rpm
Ø Spindle	12,7 mm
Ø Sanding sleeve [mm]	13, 19, 26, 38, 51
Dimensions (LxWxH)	530 x 480 x 480 mm
Ø Extraction port	38 mm
Protection class	II
Weight	12 kg
Item number	5903501

4.2 Type plate

Fig. 2: Type plate OBSS 100

5 Transport, packaging, storage

5.1 Delivery and transport

Delivery

Check the Belt & spindle sanding machine for visible transport damage after delivery. If you discover any damage to the Belt & spindle sanding machine, immediately report it to the carrier or dealer.

Transport

CAUTION!

Injuries caused by parts falling over or off a forklift, pallet truck or transport vehicle.

Only use means of transport that can carry the total weight and are suitable for it.

Improper transport of individual devices, unsecured devices stacked on top of each other or next to each other in packed or already unpacked condition is accident-prone and can cause damage or malfunctions for which we do not grant any liability or guarantee.

Transport the scope of delivery secured against shifting or tilting with a sufficiently dimensioned industrial truck to the installation site.

General risks during internal transport

CAUTION: DANGER OF TIPPING!

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

Employees must be outside the danger zone, the reach of loads. Warn employees and, if necessary, advise employees of the hazard.

Devices may only be transported by authorized and qualified persons. Act responsibly during transport and always consider the consequences. Refrain from daring and risky actions.

Gradients and descents (e.g. driveways, ramps and the like) are particularly dangerous. If such passages are unavoidable, special caution is required.

Before starting the transport check the transport route for possible danger points, unevenness and disturbances as well as for sufficient strength and load capacity.

Danger points, unevenness and disturbance points must be inspected before transport. The removal of danger spots, disturbances and unevenness at the time of transport by other employees leads to considerable dangers.

Careful planning of internal transport is therefore essential.

Transport with a forklift / pallet truck:

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

5.2 Packaging

All used packaging materials and packaging aids of the grinding system are recyclable and generally need to be transported to the material recycling.

Crush the packaging material made of cardboard and supply it to the waste paper collection.

The films are made of polyethylene (PE) and the upholstery parts are made of polystyrene (PS). These materials have to be delivered to a recycling station of the responsible dumping company.

5.3 Storage

The belt and spindle grinder must be thoroughly cleaned before being stored in a dry, clean and frost-free environment.

6 Scope of delivery and Accessories

6.1 Scope of delivery

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

Fig. 3: OBSS 100 Scope of Delivery

- 5 Sanding sleeves 80 grain, Ø 13 / 19 / 26 / 38 / 51 mm
- 4 rubberised grinding rollers, length 115 mm, Ø 19 / 26 / 38 / 51 mm
- 5 table inserts, Ø 13 / 19 / 26 / 38 / 51 mm
- 3 spindle discs, Ø 16 / 22 / 44 mm
- Sanding belt attachment
- Cover for sanding belt attachment
- Workpiece stop
- Assembly tool

6.2 Accessories

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

- Table deposits
- Spindle discs
- Grinding rollers
- Abrasive belts
- Abrasive sleeves Sets

7 Description

Fig. 4: Description

1 Star grip for tape running adjustment
2 Sanding belt
3 Worktable, foldable
4 Grinding sleeve with sanding roller
5 ON / OFF switch
6 Hole for anchoring
7 Spindle disk
8 Table inserts
9 Clamping screw - table swiveling
10 Suction nozzles
11 Star grip for tilt of the tension pulley

8 Assembly and Connection

DANGER!

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

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

Remove the machine from its packaging and remove all protective films. Make sure that the machine is not set up or put into operation in a damp or wet environment.

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

8.1 Fixing

For a safe footing, the machine should be mounted on a stable base (such as a workbench) using the holes provided in the machine base.

8.2 Electrical connection

Danger!

Danger to life due to electric shock!

There is danger to life when in contact with live components. Switched on electrical components can cause uncontrolled movements and lead to serious injuries.

DANGER!

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

When making electrical connections, make sure that the characteristics (voltage, mains frequency, protection) match those on the rating plate and for the motor.

Operate the Belt & spindle sanding machine only on an electrical supply, the following requirements.

Fulfills:

- The mains plug must be freely accessible.
- Use only a grounded receptacle (properly groun ded receptacle).
- Lay the power cord so that it does not interfere with work and can not be damaged.
- Protect the power cord from heat, aggressive li quids and sharp edges.

The motor switches off automatically when overloaded. After a cooling time (different times), the engine can be switched on again. First, the cause of the overload must be resolved.

8.3 Connection for extraction system

When used in closed rooms, the machine must be connected to an exhaust system. The flow velocity at the extraction nozzle must be min. 20 m / s.

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

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

The suction should be checked daily for its proper function. If the extraction system does not work or only to a limited extent, it must be repaired again. Only then may the belt and spindle grinder be put back into operation.

8.4 Assembly of the drive plate and the grinding sleeve

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

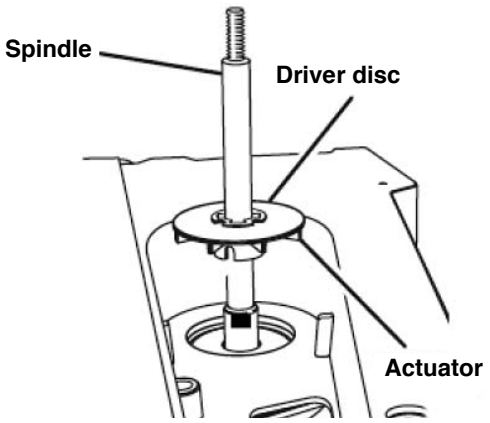

Fig. 5: Mount the drive plate

Step 2: Place the drive plate on the spindle (Fig.5). Make sure that the drivers point downwards. Carefully screw down the drive plate until the drivers engage in the drive shaft.

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

Step 4: Now pull the appropriate sanding sleeve over the sanding roller and tighten with the appropriate spindle disk and nut.

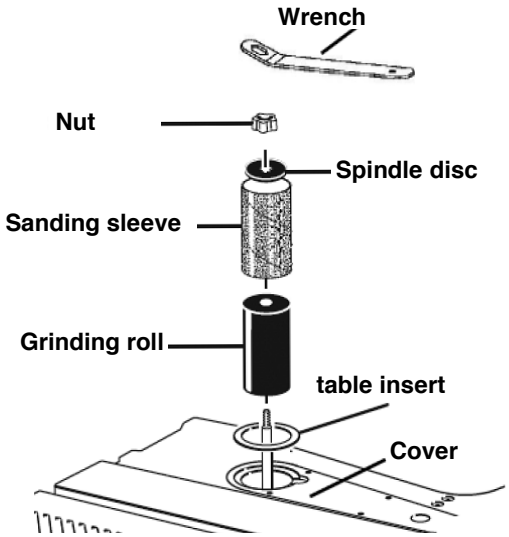

Fig. 6: Mount the grinding sleeve

NOTE!

The grinding sleeve (13mm) is placed directly on the spindle without an abrasive roller.

8.5 Assembly of the belt sander

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

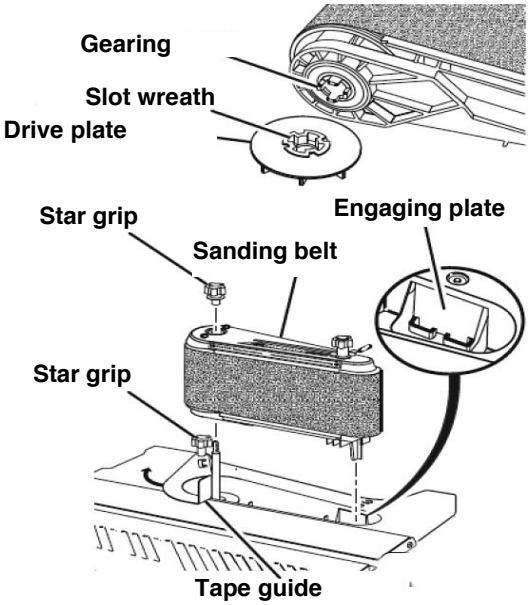

Fig. 7: Mount the belt sander

Step 2: Place the drive plate on the spindle (Fig.5). Make sure that the drivers point downwards. Carefully screw down the drive plate until the drivers engage in the drive shaft.

Step 3: Place the belt sander and tighten it with the star grip position 1 (Fig.8).

Step 4: Using the lever position 2 (Fig. 8), tighten and loosen the sanding belt.

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

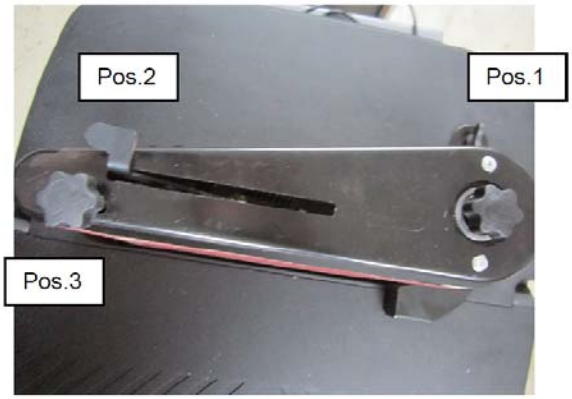

Fig. 8: Adjust belt sander

9 Adjustment

DANGER!

Before adjusting the machine, it must be disconnected from the mains. Handling and working with the machine is only permitted to persons who are familiar with the handling and operation of the machine.

9.1 Pivoting worktable

Loosen the clamping screw and turn the worktable to the desired position. Then tighten the clamping screw again.

Fig. 9: Pivoting worktable

9.2 Align the work table

To align the work table exactly at 90 °, set the table at a right angle as shown in Figure 10. Then loosen the table pivot clamping screw and align the table. Tighten the clamping screw again.

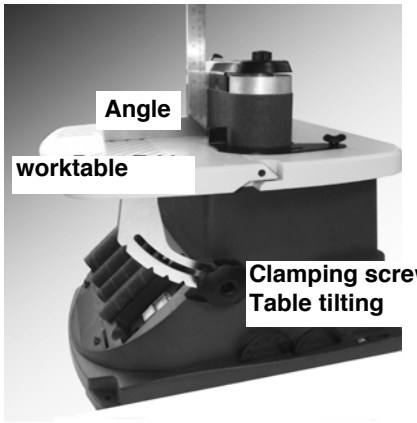

Fig. 10: Align work table

9.3 Belt change

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

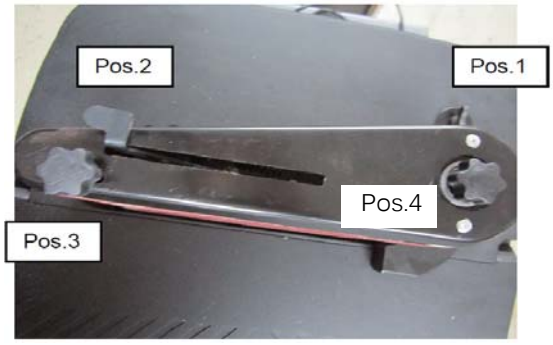

Fig. 11: Adjust grinding belt

Step 2: Loosen the tension lever (Pos. 2) to release the sanding belt.

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

Step 4: Now tension the sanding belt with the tensioning lever (Pos.2).

Step 5: Turn on the belt sander briefly and check that the sanding belt is centered.

Step 6: Adjust the run of the sanding belt via the track adjustment screw (Pos. 4). When the sanding belt moves toward the work table, turn the adjustment screw a quarter turn clockwise. When the sanding belt moves away from the work table, turn the adjusting screw counterclockwise.

NOTE!

To move the sanding belt off and on more easily, move it back and forth.

10 Operation

10.1 General

Please observe the following working instructions so that your work has the expected success.

DANGER!

Certain types of wood and wood products produce harmful dust emissions when processed. Therefore, only use your machine in a well-ventilated area, use a suction device and wear respiratory protection.

DANGER!

Rotating parts! Get to work with reason. Pay special attention to the rotating parts. Wear tight-fitting clothing. Make sure that hair or clothes are not caught by rotating parts! Wear a hairnet.

When working with the machine no jewelry may be worn.

DANGER!

Flying chips and parts to be thrown off! Be sure to wear eye protection! Protect your eyes from flying chips and other splinters.

ATTENTION!

Keep children and unauthorized persons away from the work area.

DANGER!

Do not overload the machine.

Wear safety glasses

Wear a dust mask

Wear ear protection!

Before each start of work the following tests have to be carried out:

- Check all cables and plugs.
- Note that there are different grit sizes for sanding belts and sleeves for different jobs.
- Before starting the machine, make sure that the sanding belt or the grinding sleeve runs freely and is not braked or blocked by any workpieces.

Functional test

The belt and spindle grinder is delivered ready to use. Before each use, a functional test should be carried out. The sanding belt has to be tensioned.

Step 1: Manually move the sanding belt and make sure that it runs centric. If necessary, readjust the sanding belt with the ribbon adjustment screw.

Step 2: Turn on the belt and spindle grinder for a short time and check the tape again.

Step 3: Switch off the belt and spindle grinder again.

10.2 Selection of table inserts

DANGER!

Incorrect table inserts can cause dirt to get between the grinding surfaces, thus allowing wedging of the workpiece.

NOTE!

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

Sanding 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

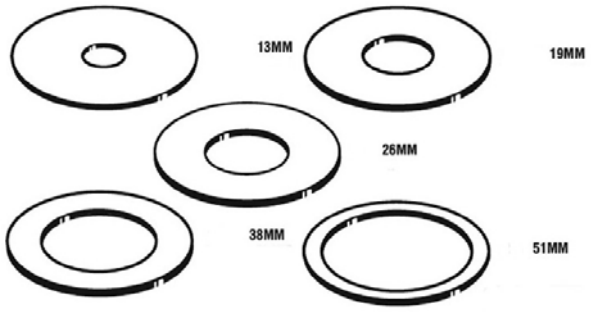

Fig. 12: Table deposits

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 the mains plug of the extraction system and the belt and 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 grinder.

Step 4: Machining the workpiece: 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 work with too much pressure, otherwise the sanding sleeve or sanding belt will wear too quickly. Never put your fingers in contact with the sanding sleeve or sanding belt!

Observe correct working direction! Only guide the workpiece against the direction of rotation of the grinding sleeve or the grinding belt.

Step 5: After the end of work:
Switch off the machine and pull out the mains plug. Switch off the extraction system and pull out the mains plug.

10.4Notes 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 (protective goggles, ear protection, safety shoes, etc.)

- When grinding with the material, do not press too tightly against the sanding belt or the grinding sleeve.
- Since the machine has no clamping option, it is important that your workpiece is resting on the worktable over the entire surface and can be held firmly!
- Never sand an unsupported workpiece. Support the workpiece with the table.
- When working on large workpieces, you should use additional support at table height.
- Never grind workpieces that are too small for safe operation.
- Always remove debris and other pieces from the table or sanding sleeve before turning on the machine.
- Make sure that the sanding belt is in good condition and replace worn abrasive belts or sanding sleeves in good time. Only with perfect and original tools you can achieve a good grinding quality!
- Never leave the work area when the machine is switched on or the tool has not come to a complete stop.

11 Care, maintenance and repair

Danger!

Danger to live due to electrical voltage!

Contact with live components can be fatal. Activated electrical components can execute uncontrolled movements and cause serious injuries.

- Switch off the machine before carrying out cleaning and maintenance work and unplug the power cord.
- Connections and repairs of electrical equipment may only be performed by a qualified electrician.

11.1Cleaning

Wearing safety gloves!

Wear protective clothing!

NOTE!

Never use strong detergents for all cleaning work. This can lead to damage or destruction of the device.

Basically, the machine should be cleaned after each use. With the machine off, remove the chips and dust with a hand brush or brush.

DANGER!

To clean the belt and spindle grinder, do not use abrasives or solvent cleaners. Use a damp cloth for this.

DANGER!

There must be no water inside the device!

DANGER!

Do not remove the chips with bare hands. There is a risk of cuts due to chips and tools!

11.2 Maintenance

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

If the Belt & spindle sanding machine does not work properly, contact a dealer or our customer service. The contact details can be found in chapter 1.2 Customer Service.

NOTE!

- Check the grinding belt or the grinding sleeves regularly for errors. Replace a damaged sanding belt or sanding sleeve immediately.
- Check the correct setting of the tape guide at regular intervals. Relax the sanding belt during longer work breaks. Clean the machine at regular intervals.
- Check the adequate function of the extraction daily.
- Replace damaged safety equipment immediately.
- Connections and repairs of the electrical equipment may only be carried out by a qualified electrician

The device parts inside the machine are maintenance-free.

12 Troubleshooting

Fault	Possible causes	Elimination
Engine is not running	Damaged ON / OFF switch Damaged ON / OFF switch lead Relay damaged Engine defective Fuses defective	Check the machine by an electrician and replace the damaged parts
Machine slows down while working	It is worked with too much pressure	Apply less pressure on the workpiece
Low service life of the abrasives	Abrasive with too fine grain	Use coarse grain abrasives
Grinding angle does not fit	Adjusted angles at the work table or at the stop angle do not fit	Check angle and adjust if necessary
Bad sanding picture	Abrasive with too coarse grain	Use finer grained abrasive
Wood burns during grinding	Grinding sleeve or abrasive belt is coated with lubricant. There is too much pressure on the workpiece	Replace the sanding sleeve or sanding belt. Reduce the pressure on the workpiece.
Sanding belt does not run centered	The sanding belt is not placed correctly or the belt is not set correctly.	Restore the tape of the sanding belt.
Strong vibration	Grinding sleeve or grinding belt loosely mounted Sanding sleeve or sanding roller or sanding belt defective Spindle beats	Clamp the grinding sleeve or sanding belt Replace grinding sleeve or sanding roller or sanding belt. Repair by the service

Sanding belt

The abrasive belt is a wearing part, which has to be regularly checked for faults and replaced when worn.

Tape guide

Check the tape guide at regular intervals for the correct setting. If the belt and spindle grinder is not used for a long time, the sanding belt has to be relaxed.

13 Disposal instructions / recycling facilities

Dispose of your device in an environmentally friendly, by not disposing of waste in the environment but professionally.

Please take the packaging and later the old appliance does not just go away, but discard them in accordance with the relevant of your city / municipality or by the waste disposal company established guidelines.

13.1 Decommission

Discarded appliances are immediately professionally decommission, in order to avoid any later misuse and the threat to the environment or people.

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

Step 2: Remove the machine optionally into manageable and actionable assemblies and components.

Step 3: Leading the machine components and supplies the appropriate disposal routes.

13.2 Disposal of new equipment packaging

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

The packaging wood can be sent for disposal or recycling.

Packaging components made of cardboard can be crushed for waste paper collection.

The foils are made of polyethylene (PE) or the upholstery parts made of polystyrene (PS). These substances can be reused after processing if they are passed on to a recycling center or to the disposal company responsible for them.

Only pass on the packaging material in such a way that it can be directly recycled.

13.3 Disposal of electrical appliances

NOTE!

Please take care in your interest and in the interest of the environment that all components of the maschine are disposed according to the rules.

Please note that electrical units contain a variety of recyclable materials and environmentally harmful components.

Please contribute that these components are separated and disposed of properly. If in doubt, contact your municipal waste.

For preparation for commisioning please contact a company specialized for disposal.

13.4 Disposal of lubricants

DANGER!

Please pay attention to an environmentally friendly disposal of the used lubricants. Observe the disposal instructions of your municipal disposal companies.

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

13.5 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 appliances).

The symbol on the product or its packaging indicates that this product should not be treated as normal household waste but must be returned to a collection point for the recycling of electrical and electronic equipment.

By helping to properly dispose of this product, you are protecting the environment and health of others. Environment and health are at risk from improper disposal. Material recycling helps reduce the consumption of raw materials. For more information on recycling this product, contact your local community, municipal waste disposal service or the shop where you purchased the product.

14 Spare parts

DANGER!

Danger of injury by the use of wrong spare parts!

Dangers may result for the user and damages as well as malfunctions may be caused by using wrong or damaged spare parts.

- Only use original spare parts of the manufacturer or spare parts admitted by the manufacturer.
- Always contact the manufacturer in case of uncertainties.

Tips and recommendations

Using non-approved spare parts voids the manufacturer's warranty.

14.1 Ordering spare parts

The spare parts may be purchased with the authorised dealer or directly with the manufacturer. Please find the corresponding contact data in Chapter 1.2 Customer service.

Indicate the following basic information for spare part orders:

- Type of device
- Serial number
- Quantity
- Designation
- Required mode of dispatch (mail, freight, sea, air, express)
- Address of dispatch

Spare part orders which do not include the above indications may not be taken into consideration. If the indications regarding the mode of dispatch are missing, the product is dispatched at the discretion of the supplier.

Information on the device type, item number and year of manufacture can be found on the nameplate, which is attached to the unit.

Example

The spindle for the Belt & spindle sanding machine OBSS 100 must be ordered. The spindle has the number 80 in the spare parts drawing 1.

By ordering spare parts, send a copy of the spare parts drawing (1) with the marked part (spindle) and marked positon number (80) to the dealer or spare parts department and provide the following information:

- Type of device: **Belt & spindle sanding machine**
- Item number: **5903501**
- Position No.: **80**
- Drawing number: **1**

14.2Spare Parts Drawing

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

Spare Parts Drawing OBSS 100

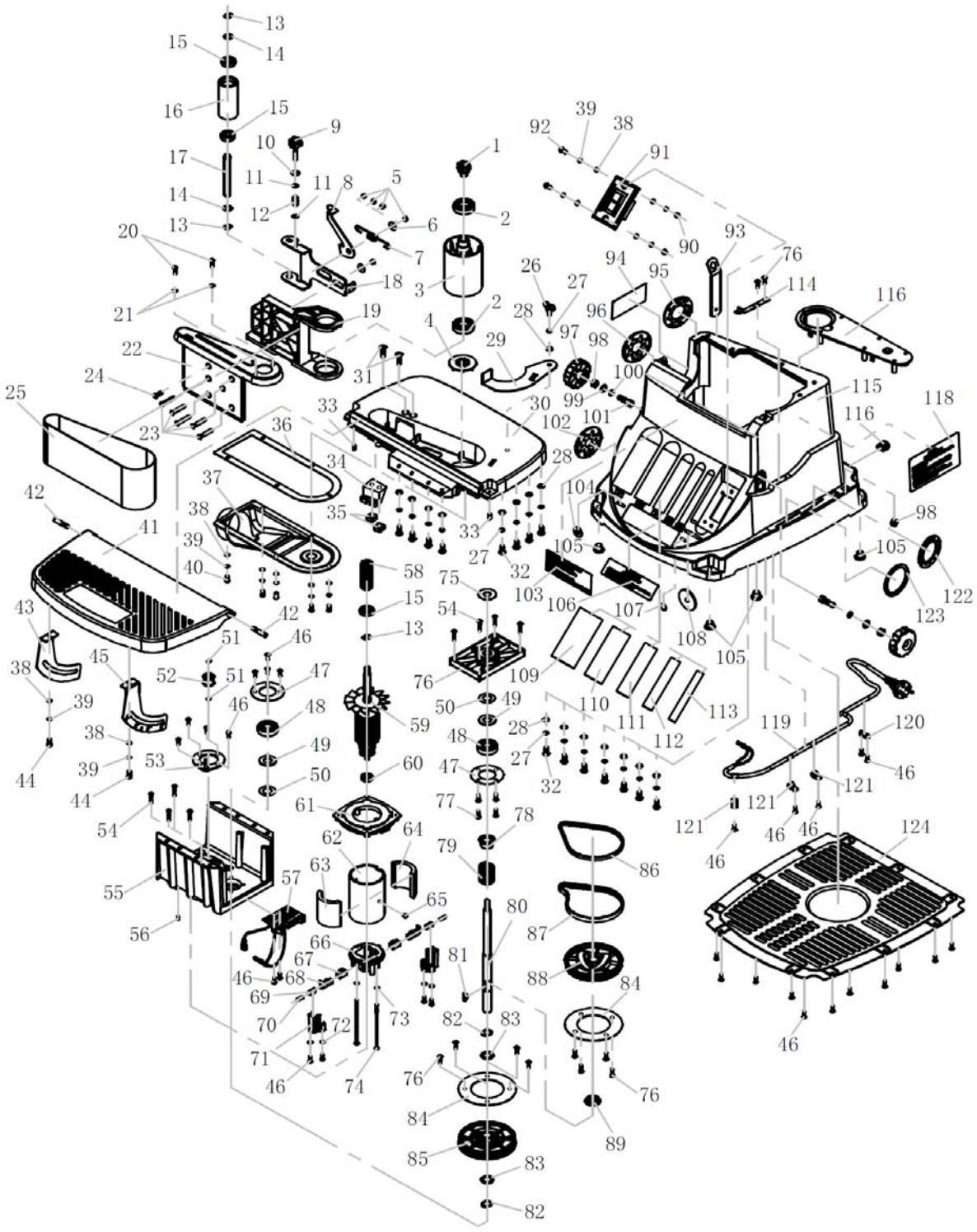

Fig. 14: Spare Parts Drawing OBSS 100

15 EC 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 machinery

Machine typ: Belt & spindle sanding machine

Description of the machine: OBSS 100

Item Number: 5903501

Serial Number*: _____

Year of manufacture*: 20____

* please fill in according to the information on the type plate

corresponds to all the relevant provisions of the abovementioned Directive and other Directives applied (below) - including their amendments current at the time of the declaration.

Relevant EU Directive:
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, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements

DIN ISO 12100 -1:2010 — Safety of machinery. General principles for design Risk assessment and risk reduktion (ISO 12100:2010

Responsible for documentation: Kilian Stürmer, Dr.-Robert-Pfleger-Str. 26, D-96103 Hallstadt

Hallstadt, den 12.01.2017

_____
Kilian Stürmer
Manager

CE

16 Notes


stürmer
OPTIMUM