

MANN®

HOLZ

MASCHINEN

DE ORIGINAL
BETRIEBSANLEITUNG

KANTENSCHLEIFMASCHINE
OSZILLIEREND

EN USER MANUAL

BELT SANDING MACHINE WITH
OSCILLATION



KOS 2510N

KANTENSCHLEIFMASCHINE OSZILLIEREND BELT SANDING MACHINE WITH OSCILLATION



*Betriebsanleitung und
Sicherheitshinweise vor
Erstinbetriebnahme lesen
und beachten!*



*Read the operation manual
carefully before first use.*

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3 SICHERHEITSZEICHEN / SAFETY SIGNS

DE *SICHERHEITSZEICHEN
BEDEUTUNG DER SYMBOLE*

EN *SAFETY SIGNS
DEFINITION OF SYMBOLS*



DE **WARNUNG!** *Beachten Sie die Sicherheitssymbole! Die Nichtbeachtung der Vorschriften und Hinweise zum Einsatz des Erdbohrers kann zu schweren Personenschäden und tödliche Gefahren mit sich bringen.*



EN **ATTENTION!** *Ignoring the safety signs and warnings applied on the machine as well as ignoring the security and operating instructions can cause serious injuries and even lead to death.*



DE **ANLEITUNG LESEN!** *Lesen Sie die Betriebs- und Wartungsanleitung Ihrer Maschine aufmerksam durch und machen Sie sich mit den Bedienelementen der Maschine gut vertraut um die Maschine ordnungsgemäß zu bedienen und so Schäden an Mensch und Maschine vorzubeugen.*

EN **READ THE MANUAL!** *Read the user and maintenance manual carefully and get familiar with the controls in order to use the machine correctly and to avoid injuries and machine defects.*



DE **CE-KONFORM:** *Dieses Produkt entspricht den EG-Richtlinien*

EN **EC-CONFORM:** *This product complies with EC-directives*



DE **Allgemeiner Hinweis**

EN **General note**



DE **Schutzausrüstung tragen!**

EN **Wear protective clothing!**



DE **Nur geschultes Personal!**

EN **Only trained staff!**



DE **Gefährliche elektrische Spannung!**

EN **High voltage!**



DE Bedienung mit Schmuck verboten!
EN Operation with jewelry forbidden!



DE Bedienung mit Krawatte verboten!
EN Operation with tie forbidden!



DE Bedienung mit offenem Haar verboten!
EN Operation with long hair forbidden!



DE Maschine vor Wartung und Pausen ausschalten und Netzstecker ziehen!
EN Stop and pull out the power plug before any break and engine maintenance!



DE Warnung vor rotierenden Teilen!
EN Warning of rotating parts!



DE Vor Nässe schützen!
EN Protect from moisture!



DE Sicherheitsabstand einhalten!
EN Keep safety distance!



DE Warnung vor wegschleudernden Teilen!
EN Warning against thrown-off items!

10 PREFACE

Dear Customer!

This manual contains information and important instructions for the installation and correct use of the belt sanding machine with oscillation KOS 2510N.

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

This manual is part of the product and shall not be stored separately from the product. Save it for later reference and if you let other people use the product, add this instruction manual to the product.

Please read and obey the security instructions!



Before first use read this manual carefully. It eases the correct use of the product and prevents misunderstanding and damages of product and the user's health.

Due to constant advancements in product design, construction pictures and content may diverse slightly. However, if you discover any errors, inform us please.

Technical specifications are subject to changes!

Please check the product contents immediately after receipt for any eventual transport damage or missing parts.

Claims from transport damage or missing parts must be placed immediately after initial product receipt and unpacking before putting the product into operation.

Please understand that later claims cannot be accepted anymore.

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Court of jurisdiction is the Landesgericht Linz or the competent court for 4170 Haslach, Austria!

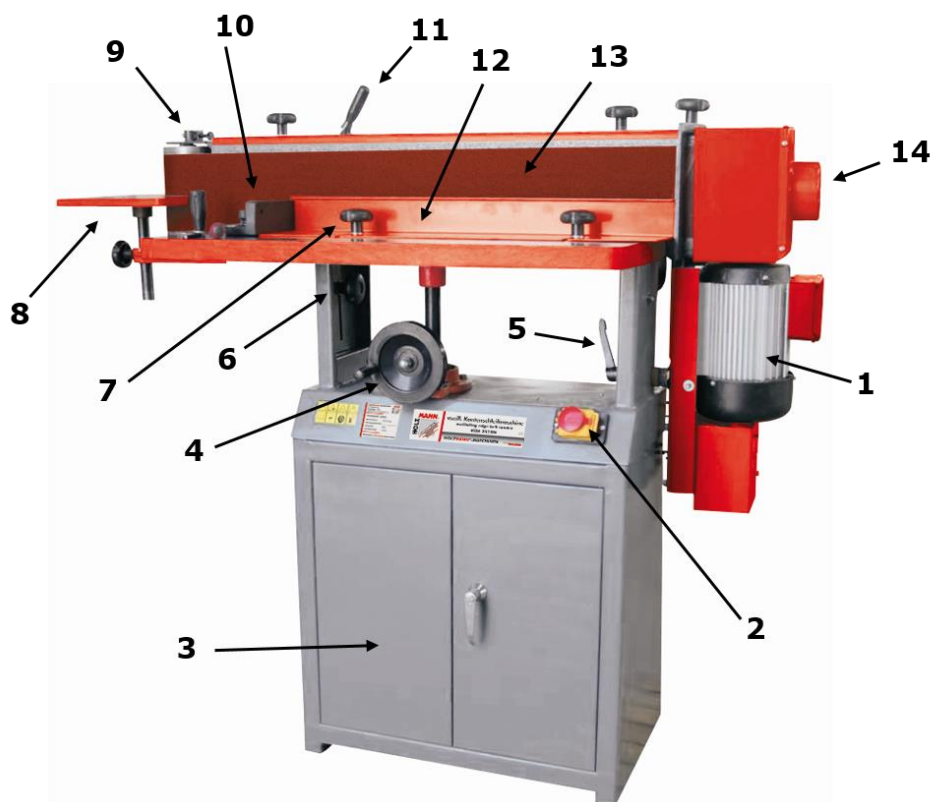
CUSTOMER SERVICE CONTACT

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11 TECHNIC

11.1 Components



No.	Specification	No.	Specification
1	Motor	8	Table contour sanding
2	On/Off-EMERGENCY unit	9	Adjustment screw belt drive
3	Base	10	Miter gauge
4	Wheel table height adjustment	11	Belt tension lever
5	Locking lever grinding unit (tilting)	12	Locating plate
6	Locking screw table height adjustment	13	Sanding belt
7	Locking screw rip fence	14	Dust collector plug

11.1 Technical Details

Specification	KOS 2510N	Specification	KOS 2510N
Engine power	1,5kW	Tilting grinding unit	0°-90°
Voltage	230V / 400V / 50Hz	Miter gauge	0°-45°
Belt speed	16m/s	Weight	148kg
Belt dimensions	2510x150mm	Table dimension	850x300mm
Dust collector plug Ø	100mm	Table dimension (contour sanding)	300x250mm
Sound pressure level L _{PA}	91dB(A)/K:3dB(A)	Sound power level L _{PA}	80dB(A)/K:3dB(A)

12 SAFETY

12.1 Intended Use

The machine must only be used for its intended purpose! Any other use is deemed to be a case of misuse.

The machine is used for:

Sanding wood or wood-like materials.

To use the machine properly you must also observe and follow all safety regulations, the assembly instructions, operating and maintenance instructions lay down in this manual.

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

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

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

Any manipulation of the machine or its parts is a misuse, in this case **HOLZMANN-MASCHINEN and its sales partners cannot be made liable for any direct or indirect damage.**

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



WARNING

- **Use only abrasive allowable for this machine!**
 - **Never use a damaged abrasive!**
 - **Use the machine never with defective or without mounted guard**
- HIGHEST RISK OF INJURY!**

Ambient conditions

The machine may be operated:

humidity

max. 70%

temperature

+5°C to +40°C (+41°F to +104°F)

The machine shall not be operated in areas exposed to increased fire or explosion hazard.

Prohibited use

- The operation of the machine outside the stated technical limits described in this manual is forbidden.
- Operation of the machine function without emergency device is prohibited.
- The use of the machine not according with the required dimensions is forbidden.
- The use of the machine not being suitable for the use of the machine and not being certified is forbidden.
- Any manipulation of the machine and parts is forbidden.
- The use of the machine for any purposes other than described in 12.1 is forbidden.
- The unattended operation on the machine during the working process is forbidden!
- It is not allowed to leave the immediate work area during the work is being performed.

12.2 Security instructions

Missing or non-readable security stickers have to be replaced immediately!

To avoid malfunction, machine defects and injuries, read the following security instructions!

The locally applicable laws and regulations may specify the minimum age of the operator and limit the use of this machine!



- **Keep your work area dry and tidy! An untidy work area may cause accidents. Avoid slippery floor.**
- **Make sure the work area is lighted sufficiently**
- **Do not overload the machine**
- **Provide good stability and keep balance all times**
- **Avoid abnormal working postures! Make sure you stand squarely and keep balance at all times.**
- **Keep away from the running abrasive!**
- **Always stay focused when working. Reduce distortion sources in your working environment. The operation of the machine when being tired, as well as under the influence of alcohol, drugs or concentration influencing medicaments is forbidden.**



- **Respectively trained people only and only one person shall operate the machine.**
- **Do not allow other people, particularly children, to touch the machine or the cable. Keep them away from your work area.**
- **Make your workshop childproof.**
- **Make sure there is nobody present in the dangerous area. The minimum safety distance is 2m**



- **Wear suitable work clothes! Do not wear loose clothing or jewelry as they might get caught in moving parts and cause severe accidents! Wear a hair net if you have long hair.**



- **Use personal safety equipment: dust mask, ear protectors and safety goggles when working with the machine.**
- **Do NOT wear safety gloves.**





- **Never leave the machine running unattended! Before leaving the working area switch the machine off and wait until the machine stops.**
- **Always disconnect the machine prior to any actions performed at the machine.**
- **Avoid unintentional starting**
- **Do not use the machine with damaged switch**




- The plug of an electrical tool must strictly correspond to the socket. Do not use any adapters together with earthed electric tools
- Each time you work with an electrically operated machine, caution is advised! There is a risk of electric shock, fire, cutting injury;
- Protect the machine from dampness (causing a short circuit)
- Use power tools and machines never in the vicinity of flammable liquids and gases (danger of explosion)
- Check the cable regularly for damage
- When working with the machine outdoors, use extension cables suitable for outdoor use
- Do not use the cable to carry the machine or to fix the work piece
- Protect the cable from heat, oil and sharp edges
- Avoid body contact with earthed



- Before starting the machine remove any adjusting wrenches and screwdrivers
- Hold the workpiece good with both hands
- Rotating parts can cause severe cut injuries
- Keep any machine that is not being used out of reach of children

NOTICE	
 	<p>Emergency procedure</p> <p>A first aid kit in accordance with DIN 13164 should always be readily available for a possible accident. Initiate the violation in accordance with the necessary first aid measures. When requesting support, provide the following details:</p>
	1. Place of accident
	2. Type of accident
	3. Number of injured people
	4. Injury type(s)

12.3 Remaining risk factors


	<p style="text-align: center;">WARNING</p> <p>It is important to ensure that each machine has remaining risks. In the execution of all work (even the simplest) greatest attention is required. A safe working depends on you!</p>
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Even if the machine is used as required it is still impossible to eliminate certain residual risk factors totally. The following hazards may arise in connection with the machine's construction and design:

Despite of correct and proper use and maintenance there remain some residual risk factors:

- Risk of injury to the hands / fingers by the rotating tool during operation.
- Risk of injury due to sharp edges of the workpiece, especially in non-fixed with a suitable tool / device workpiece.
- Risk of injury: hair and loose clothing, etc. can be captured and wound up! Safety regulations must be observed with regard to clothing.
- Risk of injury due to contact with live electrical components.
- Risk of injury due to breakage or cracking of the abrasive
- Risk of injury due to dust emissions, treated with harmful agents workpieces
- Risk of injury to the eye by flying debris, even with safety goggles.
- Risk of injury to the hearing by prolonged labor without hearing protection.
- Risk of injury of kickback! The workpiece is caught by the sanding belt and thrown back to the operator.

These risk factors can be minimized through obeying all security and operation instructions, proper machine maintenance, proficient and appropriate operation by persons with technical knowledge and experience.

	<p style="text-align: center;">WARNING</p> <p>This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine!</p>
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13 ASSEMBLY

13.1 Delivery content

Please check the product contents (see capture 11.1) immediately after receipt for any eventual transport damage or missing parts. Claims from transport damage or missing parts must be placed immediately after initial machine receipt and unpacking before putting the machine into operation. Please understand that later claims cannot be accepted anymore.

13.2 Preparatory activities

13.2.1 Workplace requirements

The ground has to be even, in level and hard. It must be suitable at least to weight it with double weight per square meter than the machines net weight.
The chosen workplace must have access to a suitable electric supply net hat complies with the machines requirements.

13.2.2 Transport

The machine can be transported in package with a forklift.
The machine is very heavy. The machine shall be lifted from crate with a suitable lifting device only that is certified to be able to carry the machines load.



WARNING

The lifting and transportation of the machine must only be carried out by qualified staff and must be carried out with appropriate equipment.

Note that lifting equipment used (crane, forklift, sling, etc.) must be in perfect condition.
To maneuver the machine in the packaging can also a pallet jack or a forklift be used.

13.2.3 Preperation of the surface

Uncoated metal machine parts have been insulated with a greasy layer to inhibit corrosion.
This layer has to be removed. You can use standard solvents that do not damage the machine surface.



NOTICE

Do not use solvents based on nitrite, aggressive solvents like break cleaners or scrubbing agents!

These damage the machine surface.

13.3 Power supply



ATTENTION

When working with non-grounded machines:
Severe injury or even death may arise though electrocution!
Therefore: The machine must be operated at a grounded power socket

The connection of the machine to the electric power supply and the following checks have to be carried out by a respectively trained electrician only.

1. The electronic connection of the machine is designated for operation with a grounded power socket!
2. The connector plug may not be manipulated.
3. The mains supply must be secured with 16A:
4. If the connector plug doesn't fit or if it is defect, only qualified electricians may modify or re-new it!
5. The grounding wire should be held in green-yellow.
6. A damaged cable has to be exchanged immediately!
7. Check, whether the feeding voltage and the Hz comply to the required values of the machine. A deviation of feeding voltage of $\pm 5\%$ is allowed (e.g.: a machine with working voltage of 380V can work within a voltage bandwidth of 370 till 400V).
8. Make sure that a possible extension cord is in good condition and suitable for the transmission of power. An undersized cord reduces the transmission of power and heats up.
9. A damaged cable must be replaced immediately



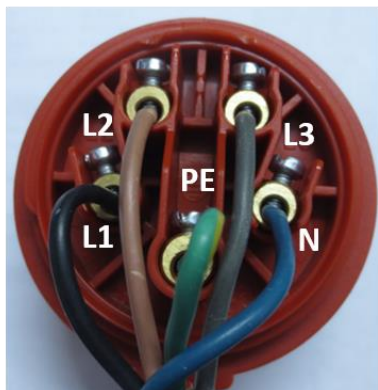
NOTICE

Operation is only allowed with safety switch against stray current (RCD max. stray current of 30mA)

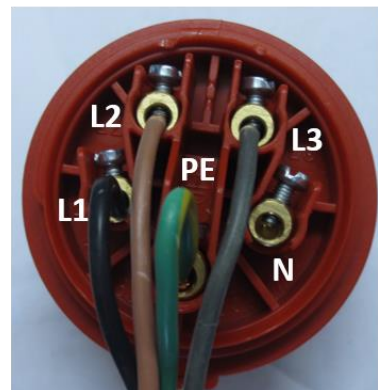


13.3.1 Plug 400V

5-wire: with N-conductor







4-wire: without N-conductor



14 OPERATION

Device to be operated in a perfect state only. Inspect the device visually every time it is to be used. Check in particular the safety equipment, electrical controls, electric cables and screwed connection for damage and if tightened properly. Replace any damaged parts before operating the device.

14.1 Operation instructions

	<p style="text-align: center;">WARNING</p> <p>Perform all machine settings with the machine being disconnected from the power supply!</p>	
	<p style="text-align: center;">ATTENTION</p> <p>Please observe the following operating instructions so that their work can be performed safely and has the expected success.</p>	
	<p style="text-align: center;">NOTICE</p> <p>Check before starting work:</p> <ul style="list-style-type: none"> • All cables and plugs • The free and centered run of sanding belt <p>The sanding:</p> <ul style="list-style-type: none"> • Always use the proper, located in perfect condition abrasives. (Change wear of abrasives immediately!) With abrasive in good condition you obtain a good grinding result. • Do not exert too much pressure to the sanding abrasive • The machine has no clamp opportunity, so it is important, as the whole area hang up the work piece on the worktable and maintain a firm grip! • Do not remove chips and workpiece parts until the machine is at standstill! • Only process workpieces which rest securely on the table! • Remove any nails and other foreign bodies from the workpiece before machining! 	

14.2 Operation



14.2.1 ON/OFF – Emergency

- To switch on open the switch cover and push the green button („I“) for 1 second.
If the machine is switched on, the switch cover must be closed!
- To switch off push the red button („O“).

The machine does not stop immediately! Stay as long at the machine, until the sanding belt is completely stopped (Do not stop the sanding belt by hand!)

- In emergencies, just hit the big red button! To unlock the EMERGENCY switch, push the big red button up.

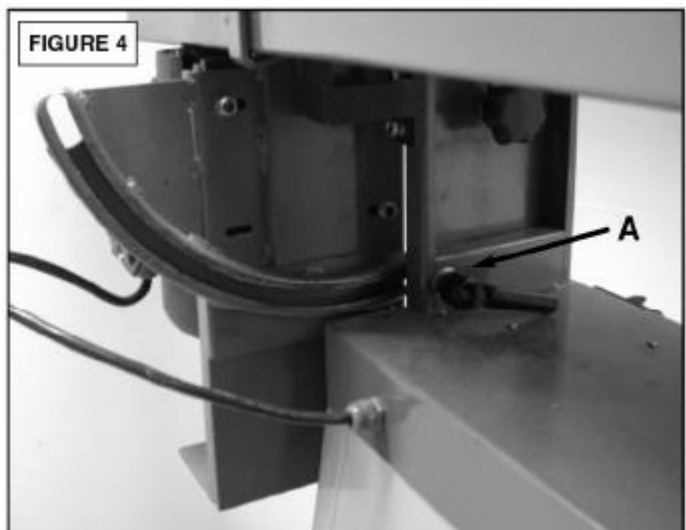
14.2.2 Adjustment

<p>Belt in vertical position and plunging table locked at lowest position:</p>	<p>FIGURE 1</p> 
<p>Belt in vertical position and plunging table released. Allows better use of belt and helps prevent burning:</p>	<p>FIGURE 2</p> 

Sanding table can be adjusted 0° - 90°, belt in horizontal position:



Loosen locking lever (A) to set and tighten the angle:



Miter gauge can be adjusted 0° - 45° and clamped by hex handle – for sanding miter angles:



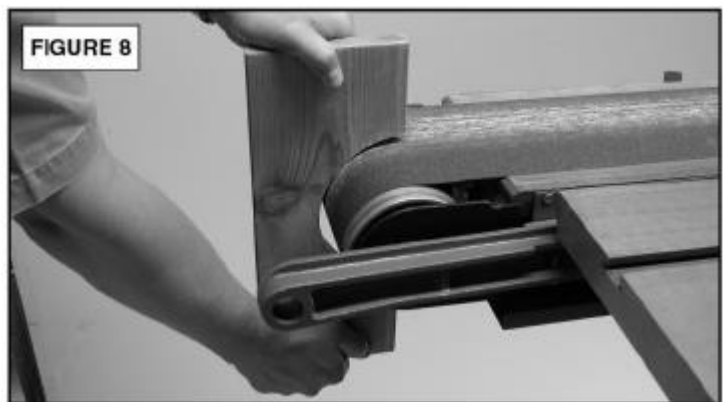
Loosen belt tension lever to remove and replace belt. Return lever to tight position before starting:



Adjust roller to track belt while sander is running:

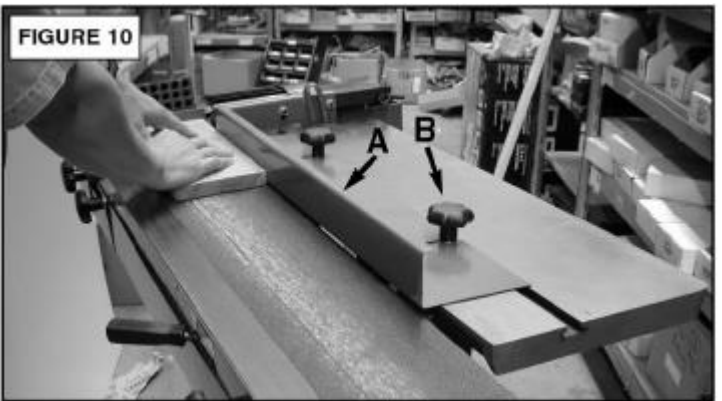
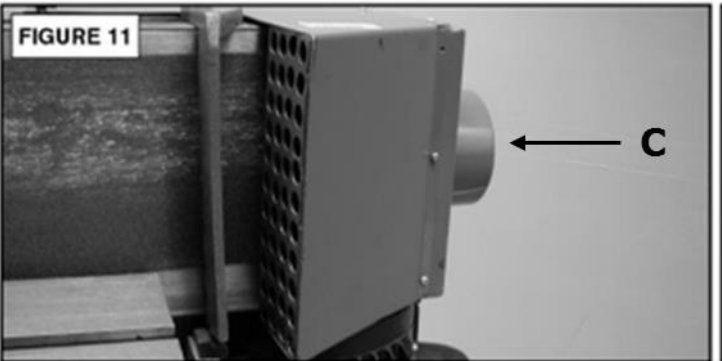


For contour sanding:



For contour sanding:



<p>Mount locating plate (A) for flat sanding adjust to angle if needed. Adjust locking screw (B) for securing job. Use secondary fence while using sander in the horizontal position:</p>	 <p>FIGURE 10</p>
<p>Dust collector plug (C) Ø 100mm:</p>	 <p>FIGURE 11</p>

14.3 Tips for sanding

14.3.1 Surface sanding

For surface sanding, press the workpiece gently with both hands against the sanding belt and the safety fence. To achieve a better sanding result, you can move the workpiece gently back and forth.

14.3.2 End sanding on sanding belt

For end sanding, bring the sanding aggregate in vertical position. Hold the workpiece firmly with both hands and press it gently against the sanding belt. Therefore move the workpiece gently back and forth.


14.3.3 Sanding curved edges

For sanding curves, hold the workpiece firmly with both hands and exert slight pressure on the sanding belt. Grinding internal rounding only at the table for contour sanding.

14.3.1 End sanding and mitre sanding

For end sanding and mitre sanding use the mitre auger and work like the capture before.

15 MAINTENANCE

	<p style="text-align: center;">ATTENTION</p> <p>Don't clean or do maintenance on the machine while it is still connected to the power supply: Damages to machine and injuries might occur due to unintended switching on of the machine! Therefore: Switch the machine off and disconnect it from the power supply be-fore any maintenance works or cleaning is carried out</p>
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The machine does not require extensive maintenance. If malfunctions and defects occur, let it be serviced by trained persons only.

Before first operation as well as later on every 100 operation hours you should lubricate all connecting parts (if required, remove beforehand with a brush all swarfs and dust).

Check regularly the condition of the security stickers. Replace them if required.

Check regularly the condition of the saw band and the saw band guide.

The good condition and perfect adjustment of the guiding rollers is essential for a smooth band guidance and a clean cut.

Store the machine in a closed, dry location.

<p style="text-align: center;">NOTICE</p> <p>Clean your machine regularly after every usage – it prolongs the machines lifespan and is a pre-requisite for a safe working environment. Repair jobs shall be performed by respectively trained professionals only!</p>
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15.1 Maintenance plan

After each workshift: Remove chips and sanding dust from the device


After 10 hours of operation: Check all screw connections and tighten if necessary.

15.2 Storage

- Tension the sanding belt of the belt sander.
- Store the machine in a dry and well-ventilated place.

15.3 Cleaning

After each workshift the machine has to be cleaned. Remove chips etc. with a suitable tool. Do not remove them by hand (cutting injury!). Remove dust as well.

	<p style="text-align: center;">NOTICE</p> <p>The usage of certain solutions containing ingredients damaging metal surfaces as well as the use of scrubbing agents will damage the machine surface! Clean the machine surface with a wet cloth soaked in a mild solution</p>
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15.4 Disposal

Do not dispose the machine in residual waste. Contact your local authorities for information regarding the available disposal options. When you buy at your local dealer for a replacement unit, the latter is obliged to exchange your old.



16 TROUBLE SHOOTING

Disconnect the machine from the power supply prior to any checks performed at the machine itself!

Trouble	Possible cause	Solution
Machine stops or will not start	<ul style="list-style-type: none"> ▪ ON/OFF-switch damaged ▪ Saw unplugged ▪ Overload tripped ▪ Fuse blown or circuit breaker tripped ▪ Cord damaged 	<ul style="list-style-type: none"> ▪ Check the switch ▪ Check all power connections ▪ Allow motor to cool and reset by pushing off switch ▪ Change fuse or reset circuit breaker ▪ Change cable
Machine slows down during working	<ul style="list-style-type: none"> ▪ Exerting too much pressure to the sanding abrasive 	<ul style="list-style-type: none"> ▪ Exert less pressure on the work piece
Bad grinding results	<ul style="list-style-type: none"> ▪ Abrasive too coarse-grained 	<ul style="list-style-type: none"> ▪ Use less coarsed abrasive
Too rapid wear of	<ul style="list-style-type: none"> ▪ Abrasive too fine-grained 	<ul style="list-style-type: none"> ▪ Use more coarsed abrasive
Grinding angle is wrong	<ul style="list-style-type: none"> ▪ Adjusted angle is wrong 	<ul style="list-style-type: none"> ▪ Readjust the angle
Sanding disc runs out of round	<ul style="list-style-type: none"> ▪ Sanding disc is eccentrically mounted 	<ul style="list-style-type: none"> ▪ Mount the sanding disc centrally
Sanding belt runs out of sanding belt bed	<ul style="list-style-type: none"> ▪ Sanding belt is mounted wrong 	<ul style="list-style-type: none"> ▪ Mount the sanding belt centrally
Work piece burns during the working process	<ul style="list-style-type: none"> ▪ Abrasive is dirty from oil ▪ Too much pressure 	<ul style="list-style-type: none"> ▪ Change abrasive ▪ Reduce pressure

MANY MALFUNCTIONS AND DEFECTS CAN BE AVOIDED BY LETTING THE MACHINE BE CONNECTED TO YOUR POWER SUPPLY BY A CERTIFIED ELECTRICIAN



NOTICE

Should you in necessary repairs not able to properly to perform or you have not the prescribed training for it always attract a workshop to fix the problem.

17 ERSATZTEILE / SPARE PARTS

17.1 Ersatzteilbestellung / spare parts order

Mit Holzmänn-Ersatzteilen verwenden Sie Ersatzteile, die ideal aufeinander abgestimmt sind. Die optimale Passgenauigkeit der Teile verkürzen die Einbauzeiten und erhalten die Lebensdauer.

HINWEIS

Der Einbau von anderen als Originalersatzteilen führt zum Verlust der Garantie!

Daher gilt: Beim Tausch von Komponenten/Teilen nur Originalersatzteile verwenden

Beim Bestellen von Ersatzteilen verwenden Sie bitte das Serviceformular, das Sie am Ende dieser Anleitung finden. Geben Sie stets Maschinentype, Ersatzteilnummer sowie Bezeichnung an. Um Missverständnissen vorzubeugen, empfehlen wir mit der Ersatzteilbestellung eine Kopie der Ersatzteilzeichnung beizulegen, auf der die benötigten Ersatzteile eindeutig markiert sind.

[Bestelladresse sehen Sie unter Kundendienstadressen im Vorwort dieser Dokumentation.](#)

With original Holzmann spare parts you use parts that are attuned to each other shorten the installation time and elongate your products lifespan.

IMPORTANT

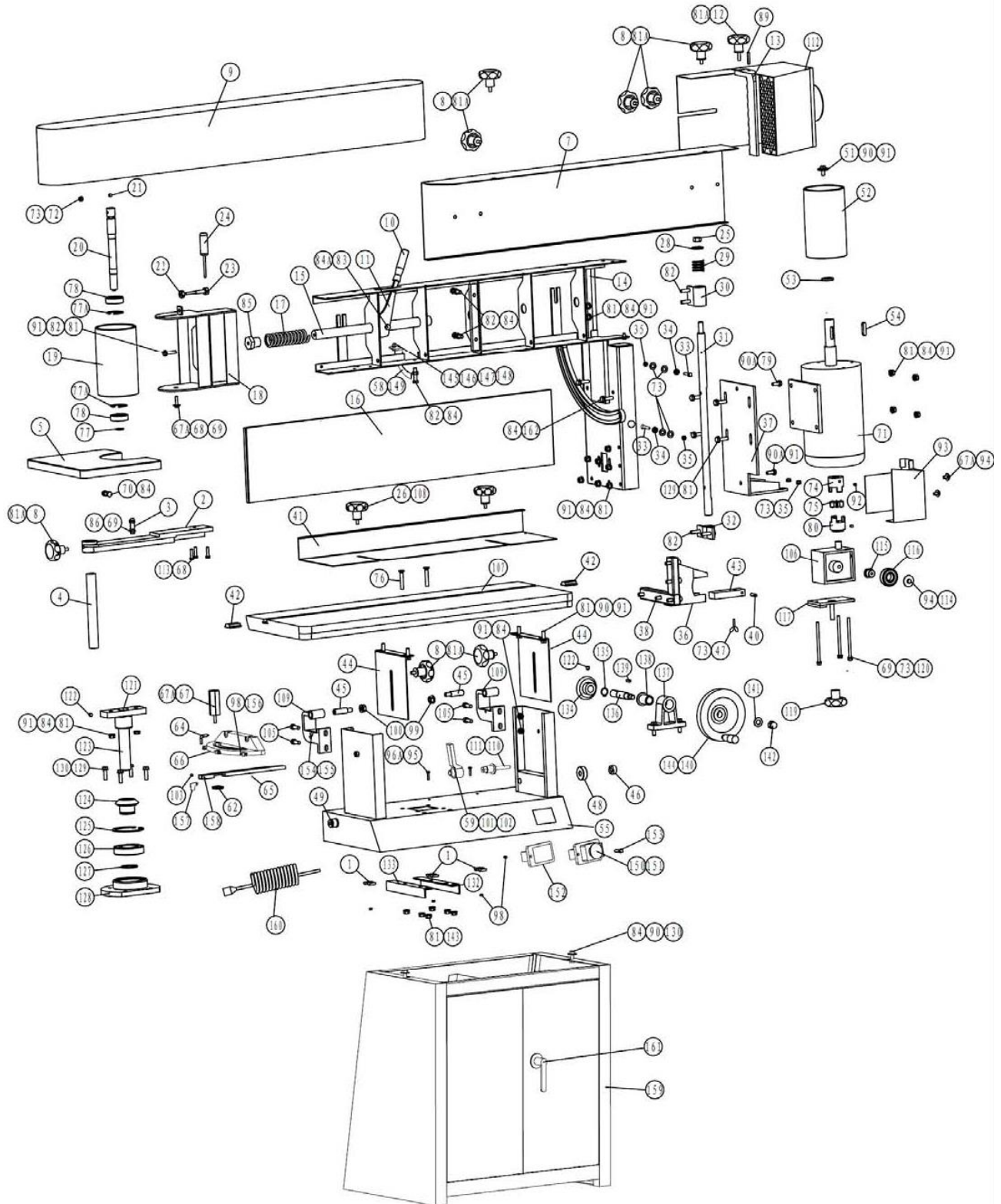
The installation of other than original spare parts voids the warranty!

So you always have to use original spare parts

When you place a spare parts order please use the service formular you can find in the last chapter of this manual. Always take a note of the machine type, spare parts number and partname. We recommend to copy the spare parts diagram and mark the spare part you need.

[You find the order address in the preface of this operation manual.](#)

17.2 Explosionszeichnung / Explosion drawing




17.3 Ersatzteilliste / spare parts list

NO.	DESCRIPTION	Q'TY	NO.	DESCRIPTION	Q'TY
1	Clamp	3	45	Thread column	2
2	Locating arm	1	46	Locking nut	1
3	Locating arm fixing plate	1	47	Screw M6X16	1
4	Extension support	1	48	Nylon washer	1
5	Extension platform	1	49	Clamp M20X1.5	3
6	Sliding block	4	50	KJD18(-) Switch	1
7	Belt cover	1	50A	KJD12 Switch box	1
8	Handle	8	51	Washer 9X28X3	1
9	Sanding belt 2515*152 60P	1	52	Motor roller	1
10	Handle	1	53	Motor washer	1
11	Belt replacing plate	1	54	Key 6X12	1
12	Handle	1	55	Base	1
13	Bracket	1	59	Big locking handle	1
14	Sanding belt platform	1	62	Nut	1
15	Tension bar	1	63	Stopping iron	1
16	Table	1	64	Pointer	1
	Sticking graphite plate 960X180X2	1	65	Sliding iron	1
17	Spring	1	66	Scale	1
18	Roller arm	1	67	Handle	1
19	Driver roller	1	67A	Big washer 6	4
20	Shaft	1	68	Bolt M6X25	3
21	Globular sleeve	1	68A	Bolt M6X12	1
22	Nut	1	69	Spring washer 6	14
23	Screw	1	70	Bolt M8X30	1
24	Driver wrench	1	71	Motor	1
25	Nut M12	1	72	Nut M6	1
26	Handle	2	73	Washer 6	22
27	Scale fixing plate	1	74	Shaft coupling	1
	Scale	1	75	Elastomer	1
28	Washer	1	76	Screw M8X55	2
29	Spring	1	77	Ring 19	1
30	Upper guide bush	1	77A	Ring 42	2
31	Sliding shaft	1	78	Bearing 6004	2
32	Lower guide bush	1	79	Washer 8	1
33	Bearing bolt	1	80	Shaft coupling	1
34	Bearing 60/7	1	81	Washer 8	32
35	Nut M6	3	81A	Big washer 8	13
36	Bearing base	1	82	Bolt M8X35	8
37	Motor base	1	83	Bolt M8X45	1
38	Screw M8X35	5	84	Nut M8	22
39	Screw M6X20	8	84A	Locking nut M8	1
40	Pin	1	85	Nut M5	1
41	Fixing plate	1	85A	Locking washer 5	1

42	Fixing block	2	86		
43	Nylon block	1	87	Washer 5	1
44	Up-and-down board	2	88	Screw M5X16	1
89	Pin 6X32	1	124	Cone-shaped gear I	1
90	Screw M8X25	4	125	Ring 80	1
90A	Screw M8X20	6	126	Bearing 6208	1
91	Spring washer8	30	127	Ring 40	1
92	Screw M6X10	2	128	Bearing base	1
93	Protection box	1	129	Bolt M8X30	6
94	Screw M6X10	3	130	Washer 8	12
95	Screw M4X20	3	132	Left iron	1
96	Screw M4X12	3	133	Right iron	1
96A	Locking washer 4	1	113	Washer 6	3
96B	switch box	1	114	Washer	1
97	Pin 3X6	1	115	Thread shaft	1
98	Nut M4	9	116	Bearing 6204	1
99	Nut M10	2	117	Pressing board	1
100	Washer 10	2	118	Pressing block	1
101	Screw	1	119	Handle	1
102	Spring	1	120	Bolt M6X110	3
103	Screw M6X6	1	121	Up-and-down base	1
104	Screw M4X16	3	122	Screw M8X10	2
105	Screw M8X25	4	123	Up-and-down shaft	1
106	Gear case	1	124	Cone-shaped gear I	1
107	Table	1	125	Ring80	1
108	Big washer 6	2	126	Bearing 6208	1
109	Bent board	2	127	Ring 40	1
110	Locking screw	1	128	Bearing base	1
111	Washer 10	1	129	Bolt M8X30	6
112	Collector	1	130	Washer 8	12
113	Locking washer 6	1	132	Left angle iron	1
114	Washer	1	133	Right angle iron	1
115	Shaft	1	134	Cone-shaped gear II	1
116	Bearing 6204	1	135	Ring 18	1
117	Pressing board	1	136	Turning shaft	1
118	Pressing block	1	137	Turning shaft base	1
119	Handle	1	138	Bush	1
120	Screw M6X110	3	139	Key 5X5X16	1
121	Up-and-down base	1	140	Handle	1
122	Screw M8X10	2	141	Big washer12	1
123	Up-and-down shaft	1	142	Nut M12	1
143	Locking nut M8	6	144	Shaft circle bush	1

18 KONFORMITÄTSERKLÄRUNG/CERTIFICATE OF CONFORMITY

	Inverkehrbringer / Distributor HOLZMANN MASCHINEN® GmbH A-4170 Haslach, Marktplatz 4 Tel.: +43/7289/71562-0; Fax.: +43/7289/71562-4 www.holzmann-maschinen.at
Bezeichnung / name Kantenschleifmaschinen oszillierend / belt sanding machine with oscillation	
Typ / model KOS 2510N	
EG-Richtlinien / EC-directives <ul style="list-style-type: none"> ▪ 2006/42/EG ▪ 2006/95/EG ▪ 2004/108/EG 	
Angewandte Normen / applicable Standards <ul style="list-style-type: none"> ▪ EN ISO 12100-2/A1:2009 ▪ EN 61029-1:2009 ▪ EN 55014-1:2008 ▪ EN 55014-2/A2:2008 ▪ EN 61000-3-2:2008 ▪ EN 61000-3-3:2008 	

Hiermit erklären wir, dass die oben genannten Maschinen aufgrund ihrer Bauart in der von uns in Verkehr gebrachten Version den grundlegenden Sicherheits- und Gesundheitsanforderungen der angeführten EG-Richtlinien entsprechen. Diese Erklärung verliert ihre Gültigkeit, wenn Veränderungen an der Maschine vorgenommen werden, die nicht mit uns abgestimmt wurden.

Hereby we declare that the above mentioned machines meet the essential safety and health requirements of the above stated EC directives. Any manipulation or change of the machine not being explicitly authorized by us in advance renders this document null and void.



Christian Eckerstorfer
 Techn. Dokumentation / techn. documentation
 HOLZMANN-MASCHINEN
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Klaus Schörgenhuber
 Geschäftsführer / Director

Haslach, 09.04.2014

Ort / Datum place/date