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WOOD LATHE

INSTRUCTION MANUAL

MODEL: WL-1000GV

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WOOD LATHE

MODEL:WL-1000GV

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

MATTERS NEEDING ATTENTION

The information contained in this handbook is intended as a guide to the operation of these machines and does not form part of any contract.The data it contains has been obtained from the machine manufacturer and from other sources. We strive to ensure the accuracy of this information and try to verify each item and each data, but we cannot guarantee the full accuracy of the information, which means that the equipment supply may differ in detail from the description of the instructions. Furthermore, development of the machine may mean that the equipment supplied may differ in detail from the descriptions herein. The responsibility therefore lies with the user to satisfy himself that the equipment or process described is suitable for the purpose intended.

QUALITY ASSURANCE

We will make every effort to ensure the quality of our products, and we promise to consumers that we will guarantee our products for one year, except for machine damage caused by improper operation of customers, and accidents resulting therefrom, or abnormal wear and damage caused by lack of maintenance.
In order to fulfill the warranty commitment, the product or part with quality problems, please return to us for verification, postage prepaid. Goods sent back should be accompanied by a note of the date of purchase and a written explanation of the quality of the product. After our inspection and confirmation, we will repair or replace their products, or refund the payment; If we fail to provide repair or replacement in a timely manner, we shall bear the costs arising from the repair or replacement of the products; If the damage is not due to the quality of the product, but due to the user's improper operation or other reasons, the cost shall be borne by the customer .

Our company reserves the right to make changes to this specification and product specifications. We will make continuous efforts to improve the quality of our products.

SAFETY WARNING

Symbol	Symbol Description
	Warning - To reduce the risk of injury, user must read instructions manual carefully.
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendation shown below.
	Do not overload the machine Provide good stability and keep the balance at all times Avoid abnormal working postures! Make sure you stand squarely and keep balance at all times. 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. Do not climb onto the machine! The machine must be operated only by trained persons (knowledge and understanding of this manual), which have no limitations in motor skills compared with conventional workers. 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 clot

	Danger! Risk of personal injury or environmental damage! Risk of electric shock! Risk of personal injury by electric shock!
	Alternating current
	Never grab into the running machine! Remove chips and workpiece parts only if the machine is standing still! Never stop workpieces with the hand during run out! Never take measurements on a rotating workpiece!
	Do not wear safety gloves!
	Warning- Be sure to wear ear protectors when using this product.
	Warning- Be sure to wear eye protectors when using this product.
	Warning- Be sure to wear dust masks when using this product.
	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. Loose objects can become entangled and cause serious injuries!
	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 Do not use the cable to carry the machine or to fix the workpiece Protect the cable from heat, oil and sharp edges Avoid body contact with earthed
	Before start working remove any nails and other foreign bodies from the workpiece Keep any machine that is not being used out of reach of children
	This product is of protection class III.
	FCC statement: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.
	Disposal information: This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

⚠ WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this machine. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

1.The machine tool should be used by experienced personnel. If you are not familiar with the operation process of the lathe, do not use the machine tool at will. Use the instructions before operating.

2.Before starting the machine tool, the safety cover should be in the correct position.

3.Before starting the machine tool, please check whether the tool rest wrench and chuck key are removed.

4.Prevent the machine from starting accidentally. Turn off the motor power before clamping the workpiece or tool.

5.Don't force cut. Cutting according to the set cutting speed, cutting depth and feed speed.

6.Use the right tools. Use the correct tool or workpiece for machining.

7.Keep the tool sharp and clean to ensure normal and safe operation. Lubricate and replace accessories regularly.

8.Before adjusting or repairing the machine, be sure to disconnect the power supply.

9. Please check the safety performance of the machine before starting it. Check the performance of all moving parts. All parts must be installed correctly. Damaged parts must be repaired promptly.

10. When the machine is running, the operator shall not leave.

11. Keep the working place clean, dirty working environment is easy to lead to accidents.

12. Do not use the machine in dangerous environment.
Do not work in damp places. Ensure that electrical components are protected from moisture. Keep good lighting.

13. Children are prohibited from entering the work site, and non-operating personnel should keep a safe distance from the work area.

14. To keep children out of the work area. The door should be locked when leaving the workshop.

15. Dress appropriately. Don't wear loose clothing, gloves, ties, rings, bracelets, jewelry, etc. To be on the safe side, For the sake of safety, wearing non-slip shoes. If you have long hair, please wear a work hat.
16. Wear protective glasses when operating.
17. Pay attention to where you stand and keep your balance at all times.
18. Do not place your hands near the moving parts of the machine.
19. Do not perform any setting operations while the machine is running.
20. Read and understand all warning signs posted on the machine.
21. This manual is intended only to familiarize customers with the operation of the machine and is not a training manual.
22. Please obey these warnings or serious injury may result.
23. The machine will produce some harmful chemicals in the work of dust, sawing, grinding and drilling produced by grinding. To reduce the harm of these chemicals, please work in a well-ventilated place and wear safety devices. Such as particulate filter masks.

Remaining risk factors

W A R N I N G

- **It is important to ensure that each machine has remaining risks.**
- **In the execution of all work (even the simplest) greatest attention is required. Safe working depends on you!**

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:

- Risk of injury to the hands / fingers by the rotating workpiece 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 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.

Kickback is a sudden reaction. This causes the ejection of the tool in the direction of the operator.

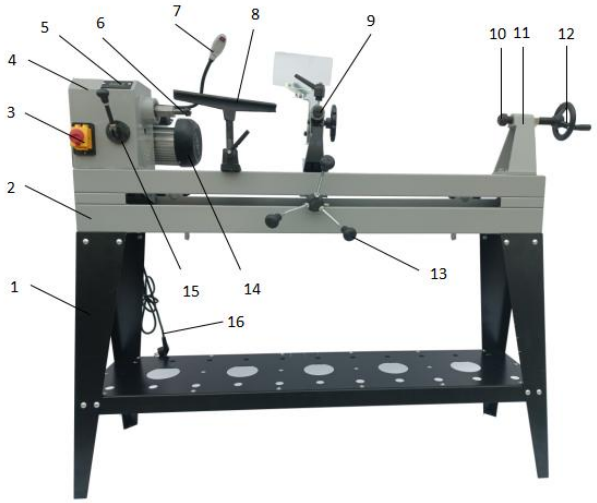
These risk factors can be minimized through obeying all security and operation instructions, proper machine maintenance, proficient and appropriate operation by persons with technical knowledge and experience.

TECHNICAL PARAMETER

Voltage	230V / 50 Hz	110V / 60 Hz
Motor Power	750W	
Motor No-load Speed （50 Hz）	1490 r/min	
Motor No-load Speed （60 Hz）	1790 r/min	
Spindle Speeds （50 Hz）	680-2520 r/min ±10%	
Spindle Speeds （60 Hz）	700-2600 r/min ±10%	
Max. Turning Diameter	Ø 350 mm	
Spindle Taper	MT1	
Spindle Thread	M18	
Distance between Centers	960 mm	
Tailstock Spindle Travel	80 mm	
Taper in Tailstock Spindle	MT1	
Weight	N.W：63 kg;	G.W：83.76 kg
Package Size	1490 x 410 x 572 mm	

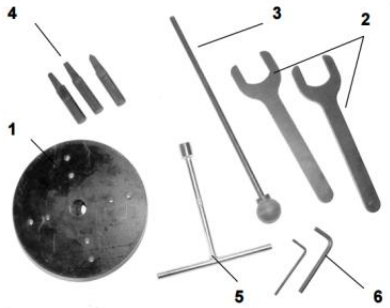
The general information given in this specification is not binding.

Know Your Wood Lathe: (Fig. 1)



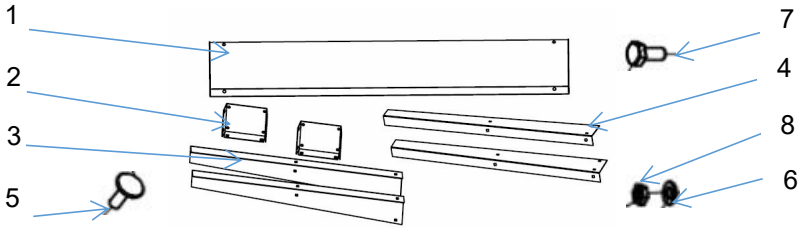
PART NO.	DESCRIPTION	QTY
1	Stand	1
2	Machine Bed	1
3	Switch	1
4	Head Stock	1
5	Digital Indicator	1
6	Spur Center	1
7	Light	1
8	Tool Rest	1
9	Copying Device	1
10	Living Center	1
11	Tailstock	1
12	Handwheel	1
13	Digital Indicator	1
14	Speed Controller	1
15	Power Cord	1

Standard accessories



PART NO.	DESCRIPTION	QTY
1	Face Plate	1
2	Wrench	2
3	Rod Injection	1
4	Lathe Tool Rest	3
5	T-wrench	1
6	Allen Wrench SW 3, SW 4	2

Stand accessories



PART NO.	DESCRIPTION	QTY
1	Tool rack	1
2	Stand Upper Cover	2
3	Front Stand (Right)	2
4	Front Stand (Left)	2
5	Cup Head Square Neck Bolt M8 x 12	24
6	Washer 8	32
7	Bolt M8 x 16	8
8	Nut M8	32

INTENDED USE

The machine must only be used for its intended purpose! Any other use is deemed to be a case of misuse.
To use the machine properly, you must also observe and follow all safety regulations, assembly instructions, and operating and maintenance instructions laid 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 to the general rules of occupational health and safety.
The machine is used for:
Turning wood.
Any manipulation of the machine or its parts is a misuse. In this case, 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.

W A R N I N G

- **Use the machine never with defective or without mounted guard!**
- **The removal or modification of the safety components may result in damage to equipment and serious injury!**

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 outdoors or in wet or damp areas.
The machine shall not be operated in areas exposed to increased fire or explosion hazards.

Prohibited use

The operation of the machine outside the stated technical limits described in this manual is forbidden.

Operation of the machine function without an emergency stop button or impeller box with open doors is prohibited.

The use of the machine not according to 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 those described in this user manual is forbidden.

The unattended operation of the machine during the working process is forbidden!

It is not allowed to leave the immediate work area during the work is being performed.

UNPACKING AND CLEANING

1. Remove the woodworking lathe from the box
2. Check all the accessories of the machine tool according to the packing list.
3. Choose a location for the lathe that is dray, has good lighting and has enough room to be able to service the lathe on all four sides.
4. To avoid twisting the bed, the lathe's location must be absolutely flat and level. Bolt the lathe to the stand (if used).
5. Clean all rust protected surfaces using a mild commercial solvent, kerosene or diesel fuel. Do not use paint thinner, gasoline or lacquer thinner. These will damage painted surfaces. Cover all cleaned surfaces with a light film of 20W machine oil.

ASSEMBLY

Preparatory activities

Delivery content

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 machine receipt and unpacking before putting the machine into operation. Please understand that later claims cannot be accepted anymore.

Workplace requirements

The workplace has to fulfill the requirements.

The ground has to be even, in level and hard. It must be suitable at least to weigh it with double weight per square meter of the machine's net weight.

The chosen workplace must have access to a suitable electric supply net that complies with the machine's requirements.

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 machine's load.

W A R N I N G

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.

Preparation 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's surface.

	NOTICE
	• **Do not use solvents based on nitrite or aggressive solvents like break cleaners or scrubbing agents!** • **These damage the machine's surface.**

Power supply

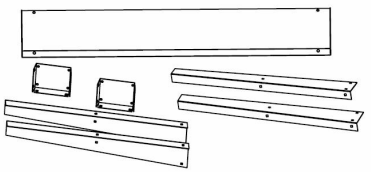
	ATTENTION
	**When working with non-grounded machines:** **Severe injury or even death may arise through electrocution!** **Therefore**: **The machine must be operated at a grounded power socket**

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.

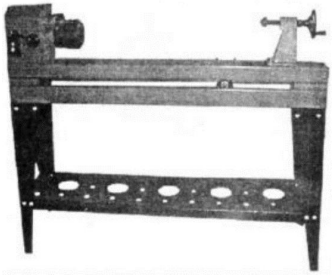
a. The electronic connection of the machine is designated for operation with a grounded power socket!
b. The mains supply must be secured with 16A:
c. If the connector plug doesn’t fit or if it is defective, only qualified electricians may modify or re-new it!
d. The grounding wire should be held in green-yellow.
e. A damaged cable has to be exchanged immediately!
f. Check, whether the feeding voltage and the Hz comply with the required values of the machine. A deviation of feeding voltage of ±5% is allowed.
g. After connecting, check the right running direction!
h. 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.

Assembly

- Prepare parts and install the stand as shown in right pictures.
- Assemble the stand according to the figure. Take care that screws are not tightened at the same time. Thus it is easier to position mounting holes and fix the screws.

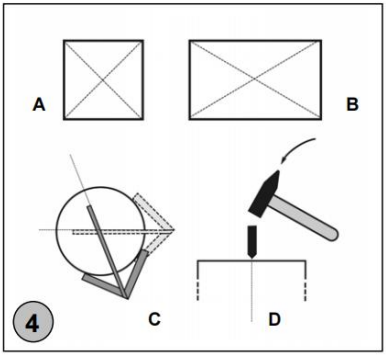


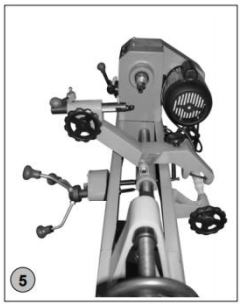
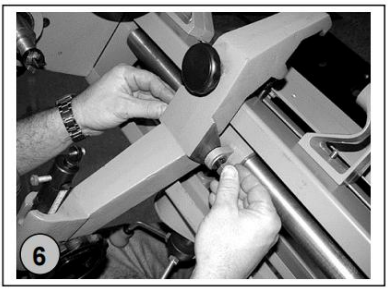
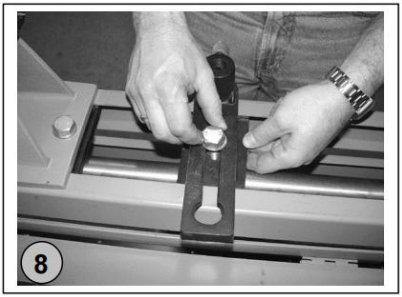
- Position the headstock over the top plate and align the holes in the bed with the holes in the top plate.
- Set the lathe on the stand by tightening the bolts.
- Assemble the stand according to the figure. Take care that screws are not tightened at the same time. Thus it is easier to position mounting holes and fix the screws.

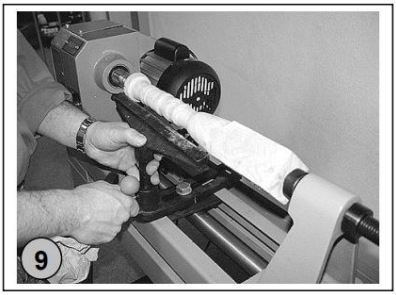
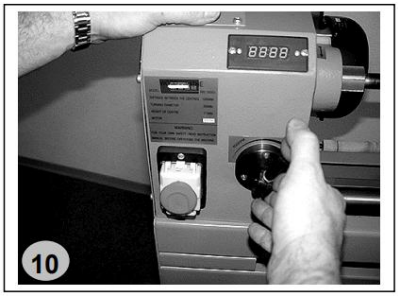
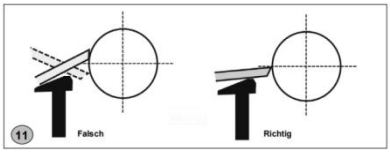
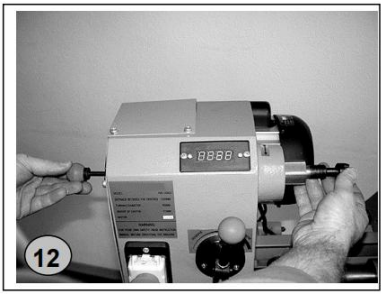


- On principle short-fibred harder wood stored in a dry place is more suitable than long-fibred soft fresh wood.
- Wood from fruit and leafy trees and walnut trees are very suitable.Prepare the wood preferably by saw cutting for the thickness later required (possibly also by splitting). It should be stored without sun radiation in a dry and
- Properly ventilated room.
- Approximate rule for wood drying: for the thickness of 1 cm = 1 year.
- Thus one can avoid wood cracking by far.

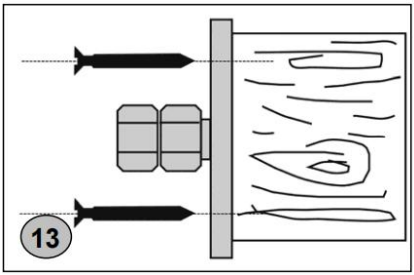
PREPARATION

● Unmachined pieces or wood to be turned must be balance centred between carrying side (machine side) and the side of collateral run (tailstock) to avoid accidents as a result of possible tearing the workpiece off during machining! Pay attention to using roundwood or timber coming in parallel direction if possible. ● Determine the centre of your unmachined piece by drawing whilst determining the centre using a pin or marking awl and using the ruler or centring angle (available as optional accessory) ● Abb. 4 A + B: Centre location over the unmachined piece edges ● Abb. 4 C: Centre location using the centring angle (available as an optional accessory) ● Abb. 4 D: Centre fixation using a hammer and centre punch	
● Roughing: Thick and strong removal of workpiece material to form a rough contour (revolutions 800-1500 rev/min.). ● Smoothing: Tiny, fine chip removal to produce fine contours (revolutions 1500-2000 rev /min.). ● Grinding: Final working up the workpiece using abrasive rope or paper (revolutions 0-2000 ot./min.). ● Polishing: working up the workpiece using a cloth or fleece with allowance of polishing agents – pastes, oils, agents for wood treatment or greases (available as optional accessory.	**Basic terms**

• Assembled lathe with stand • Finally assembled lathe with clamped copying template	
• COPYING ARM INSTALLATION • Insert the copying arm between both holding butt straps located at the slide and shift the joint pin (item 73) to the bearing opening. Tighten nuts on both sides (Fig. 6) • ATTENTION: Do not tighten too firmly, the arm should stay movable.	
• SLIDING WHEEL INSTALLATION • Shift the sliding wheel to the sled axis. • Securing is done using the Allen screw at the circumference of the sliding wheel (Fig. 7)	
• Mount the supporting tool holder and base plate to the machine bed and tighten. (Fig. 8)	

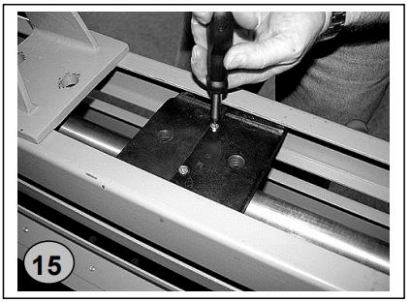
• Then the tool support is fixed by clamping bolt in the supporting carrier of the tool (Fig. 9). Place the tool support as close to the workpiece as possible. • The workpiece must not be in contact with the tool support during turning. Turn the workpiece by hand before you start the work to ensure it runs freely.	
• REVOLUTION ADJUSTMENT • Thanks to the special gearbox with variable belt pulleys the machine revolution can be adjusted continuously allowing exact analogue adjustment of revolutions being indicated in digital form at the gearbox.(Fig. 10)	
• Always lower the machine revolutions to the minimum value before stopping; starting again will be made much easier thus.	**Attention!**
• Roughing and smoothing: lay the turning chisel – see the figure – down on the tool support holding it with both hands firmly and safely and take care that chip removal takes place at the central axis height and sufficient stressing angle is available (see schematic drawing). Use only exactly sharpened and sharp turning tools. (Fig. 11).	
• To remove the carrying point direct the ejecting broach from the left side of the machine through spindle hole (Fig. 12) and strike the carrying point strongly from the cone (this also holds for all clampable tools with conical grip MK2)	

- To turn plates or bowls remove the carrying point (Fig. 13) and turn the face plate to the spindle thread.

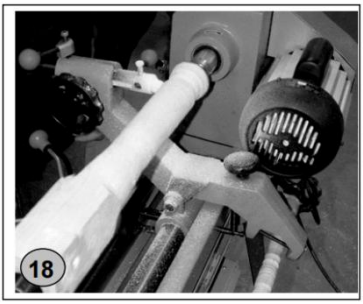
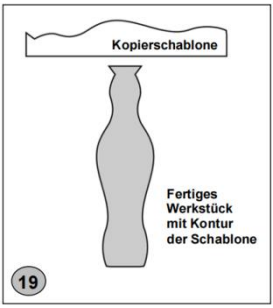
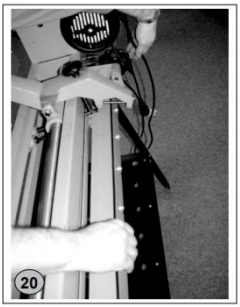


- For copying the copying arm must be installed between tailstock and carrying point. To place the copying device between tailstock and carrying point or face plate the gripping screws on the tailstock must be dismounted (Fig. 14) and the tailstock must be removed.

- Now the gripping plate should be split by loosening both screws (Fig. 15)



- Having this done the plates are to be removed (Fig. 16), again replaced behind the copying arm and tailstock reinstalled.

• Copied original will be clamped between centring points of copying grips. Now moving in (holding-down pressure of the copying arm) can be adjusted using stressing screw (Fig. 17)	
• Copying tool should be set to the largest diameter. • The workpiece is then moved along the whole length of the copying pattern uniformly until any chip removal occurs. • Copying tools are adjusted by turning the hand wheel and secured by clamping screw until required contour or required diameter is attained (Fig. 18).	
• Copying templates can be made of various materials, veneered plywood is perfectly suitable. The template is similar to the contour of the piece to be turned. (Fig. 19)	
• To use the copying template as a pattern lift the holding device up and secure it between centring points of copying grips (Fig. 20).	

- Loosen clamping screws of the holding lath (Fig. 21) to allow stretching of the template.
- During turning the template is moved along as often as required contour is formed at the workpiece

W A R N I N G

- The leg set must be fastened to the supporting surface!
- Do not operate your wood lathe until it is completely assembled and adjusted according to the instruction!

OPERATION

Device is 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.

W A R N I N G

Perform all machine settings with the machine being disconnected from the power supply!

Operation instructions

ATTENTION
Never switch the machine on while pressing the chisel against the material!

NOTICE
● Before switching the machine on, make sure that the tool rest is firmly tightened ● Rotate the clamped workpiece each time before turning by hand to ensure that it runs freely and does not touch the rest tool! ● Thereby check also whether the workpiece is centred and tightened clamped! ● Make sure to guide and hold the chisel with both hands safely and tight during machining! ● Work only with well sharpened tools! ● Work large and unbalanced workpieces at low spindle speed only! ● Specifications regarding the maximum or minimum size of the workpiece must be observed! ● Workpieces with cracks may not be used! ● Only process selected woods without defects!

Operation

On-Off-switch

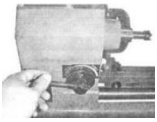
Switch on: Push the green button ("I") for 2 seconds. The machine begins to run.

Switch off: Push the red button ("0").

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

Speed adjustment

The speed can be set infinitely variable by turning the speed control lever.

	NOTICE	
	You must move the lever to the lowest speed setting before turning the switch ON/OFF, otherwise the motor may not start!	

Tool rest

	NOTICE
	The tool rest should be selected as close as possible to the workpiece! Height adjustment just below the centerline of the workpiece. Rotate the workpiece by hand and check that the workpiece can rotate freely before turning!

MAINTENANCE

	ATTENTION	
	Perform all maintenance machine settings with the machine being disconnected from the power supply! Serious injury due to unintentional or automatic activation of the machine!	

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 machine.
The good condition and perfect adjustment of the guiding rollers are essential for a smooth band guidance and a clean cut.
Store the machine in a closed, dry location.

NOTICE
Clean your machine regularly after every usage – it prolongs the machine's lifespan and is a prerequisite for a safe working environment. **Repair jobs shall be performed by respectively trained professionals only!**

Maintenance plan

After each work shift:

Clean the machine and its parts with a strong jet of compressed air from wood dust and other material remain. Moving parts can also be cleaned with a brush or a soft brush. Apply a thin layer of lubricating oil to all moving parts of the machine.

After 50 hours of operation

Check the V-belts.

Determine for frayed belts cause. Check if uneven or rough surfaces and were built on the V-belt

pulleys. Replace frayed or stretched belts!

Cleaning

After each work shift 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.

	NOTICE
	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 .

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 one.

TROUBLE SHOOTING

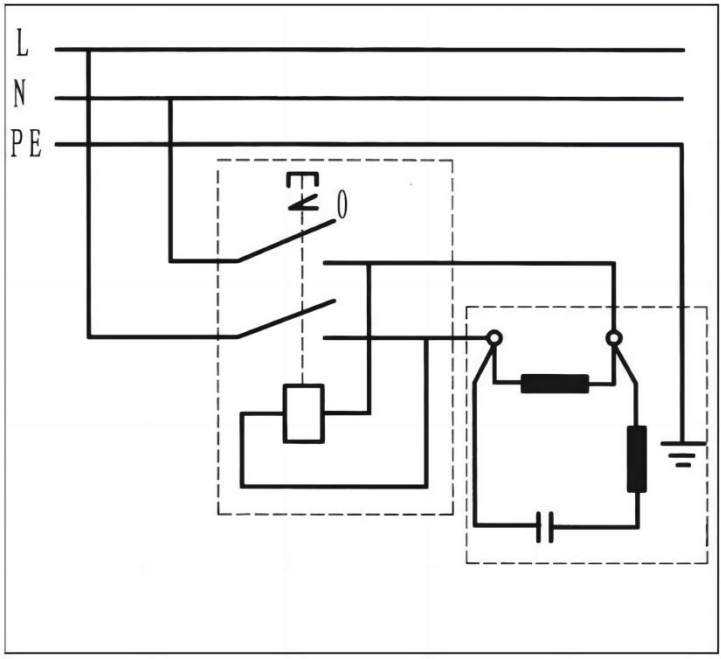
BEFORE YOU START WORKING ON THE ELIMINATION OF DEFECTS, DISCONNECT THE
MACHINE FROM THE POWER SUPPLY.

Trouble	Possible cause	Solution
Machine does not start	Switch defective	Repair switch
	Power supply is off	Repair power supply
	Fuse is defective	Change fuse
	Circuit breaker is active	Push the circuit button
Strong vibration	Warped workpiece	Change material
	Workpiece is wrong centered	Measure the center newly
	Loosen pulley	Tighten the pulley
	Outworn pulley	Change pulley
	Turning lathe is on uneven surface	Level the surface
	Loosen tail- or headstock	Tighten
	Too much speed	Adjust speed
Bad turning result	bad sharpened chisel	Sharpen the chisel
	Wrong chisel for this work	Select the right chisel
	Wrong adjustment of tool rest	Adjust the high and distance of the tool rest

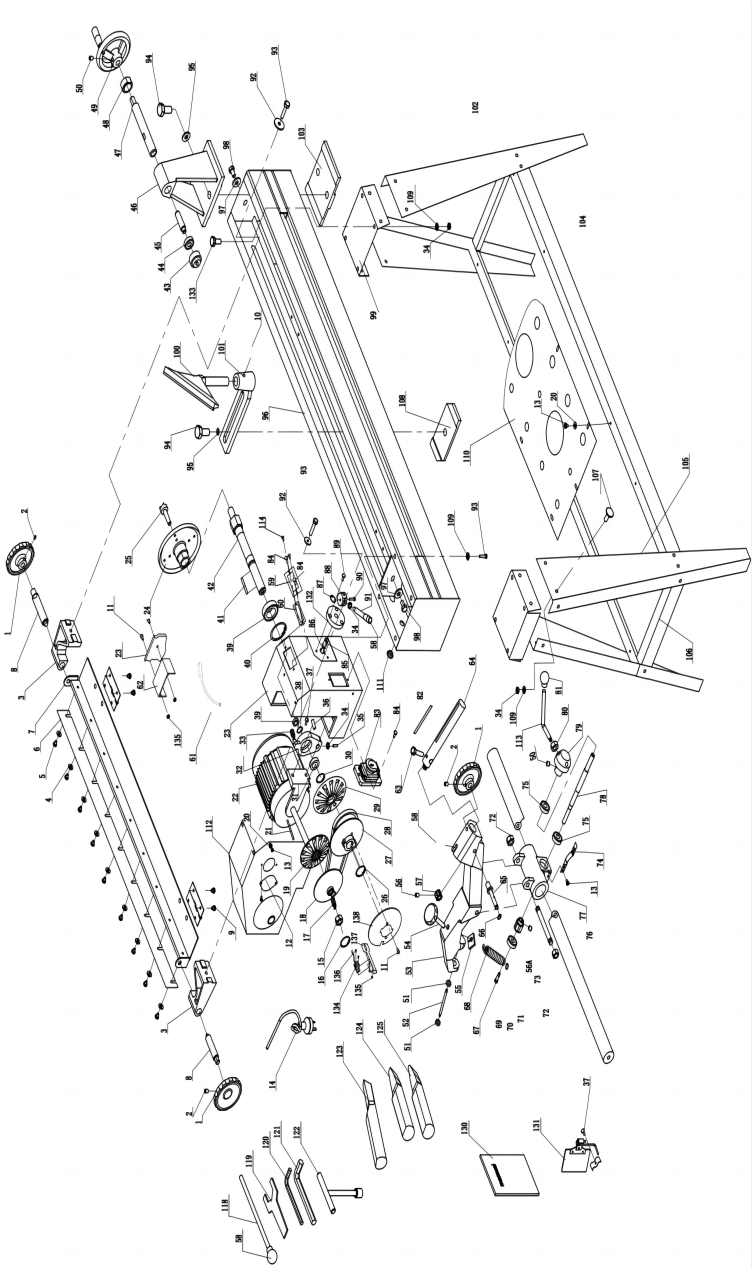
MANY POTENTIAL SOURCES OF ERROR CAN BE CLEARED BY THE EXPERTLY
CONNECTION TO THE ELECTRICITY GRID.

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

SCHALTPLAN / WIRING DIAGRAM



EXPLOSIONSZEICHNUNG / EXPLOSION DRAWING



Part List for Wood Lathe								
Item	Description	Q'ty	Item	Description	Q'ty	Item	Description	Q'ty
1	Hand wheel	3	45	Taper shank	1	88	Eccentric shaft	1
2	Screw M6X10	5	46	Tailstock	1	89	Flat head screw M5X20	4
3	Stand	2	47	Tailstock spindle M24	1	90	Pin	1
4	Washer Φ6	9	48	Nut	1	91	Rod	1
5	Screw M6X8	9	49	Handwheel	1	92	Washer Φ8	2
6	Mould plate	1	50	Screw M8X8	2	93	Bolt M8X25	2
7	Mobile plate	1	51	Bearing 625-2Z	2	94	Bolt M16X35	3
8	Leading screw M18	2	52	Living roller pin	1	95	Washer Φ16	3
9	Bolt M6X8	4	53	Cutter mount	1	96	Bed	1
10	Lock the handle	1	54	Cutter feeder adjustment screw	1	97	Washer Φ10	2
11	Screw M4X8	3	55	Sleeve	1	98	Bolt M10X18	2
12	Cap spindle end	1	56	Screw M5X6	1	99	Stand upoer cover	2
13	Screw M5X8	9	564	Screw M6X8	1	100	Tool rest	1
14	Power cord	1	57	Cutter rest gear	1	101	Tool rest holder	1
15	Sleeve	1	58	Lock the handle	1	102	Front stand(right)	1
16	Retaining ring 16	1	59	Fixed panel for display screen	1	103	Fixing block	1
17	Spring	1	60	Speed display circuit board	1	104	Long cross support	1
18	Pulley motor(left)	1	61	Lights	1	105	Front stand(left)	1
19	Pulley motor(right)	1	62	Transformers	1	106	Short cross support	1
20	Washer Φ5	5	63	Bolt M6X25	1	107	Cup head square neck bolt M8X12	24
21	Key	1	64	Rack	1	108	Fixing block	1
22	Motor	1	65	Cutter mount spindle	1	109	Washer Φ8	38
23	Headstock	1	66	'C"ring 8	1	110	Plate	1
24	Faceplate	1	67	Screw	1	111	Strain relief M16X1.5	1
25	Spur center	1	68	Spring	1	112	Belt guard	1
26	Retaining ring 24	1	69	"C"ring 8	1	113	Crank	3
27	Pulley spindle(left)	1	70	Bearing 80200	1	114	Tapping screws ST2.2×6.5	2
28	Belt Z560	1	71	Gear	1	118	Hit rod	1
29	Pulley spindle(right)	1	72	Nut M12	1	119	Spanner	1

30	Retaining ring 62	1	73	Stud bolt	1	120	Wrench S3	1
31	Bearing 6007-2Z	1	74	Brush rest	2	121	Wrench S4	1
32	Bracket-shifting lever	1	75	Bearing 80201	2	122	"T"wrench	1
33	Spring	1	76	sliding guide	1	123	Sharp tool	1
34	Nut M8	34	77	3-way milling	1	124	Head tool	1
35	Screw M8X25	1	78	Gear-end pinion	1	125	Arctool	1
36	Shaft-pinion	1	79	Hub	1	130	Handbook	1
37	Hex HD screw M8X25	2	80	Nut M10	3	131	Goggle	1 set
38	Retaining ring 25	1	81	Knob	3	132	Fixing plate	1
39	Bearing 6205-2Z	1	82	Scale	1	133	Bolt M8X16	8
40	Retaining ring 52	1	83	Switch	1	134	Speed sensor	1
41	Spindle key	1	84	Screw M4X12	2	135	Nut M4	2
42	Spindle	1	85	Shaft-pinion	1	136	Screw M3X10	2
43	Living center	1	86	Speed label	1	137	Probe support plate	1
44	Bearing 80201	1	87	'C" ring 3	1	138	Sensing Plate	1

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