holzstar
Holzbearbeitungsmaschinen

Instruction Manual

Wood Lathe

DB 1202 Vario

DB 1202 Vario

DB 1202 VARIO

Imprint

Product identification

Wood Lathe	Item number
DB 1202 Vario	5921202

Manufacturer

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Indications regarding the operating instructions

Original operating instructions
according to DIN EN ISO 20607:2019

Edition: 02.06.2021
Version: 3.06
Language: English

Author: ES/MS

Indications regarding the Copyright

Contents

1 Introduction

You have made a good choice by purchasing a HOLZ-STAR Wood Lathe.

Carefully read the operating instructions prior to commissioning.

They describe correct commissioning, intended use and safe as well as efficient operation and maintenance of your Wood Lathe.

The operating instructions form part of the Wood Lathe. Keep these operating instructions at the installation location of your Wood Lathe. Also observe the local accident prevention regulations and general safety regulations for the use of the Wood Lathe.

1.1 Copyright

1.2 Customer service

Please contact your specialist retailer if you have any questions regarding your Wood Lathe or require any technical information. Your specialist retailer will be happy to support you with specialist advice and information.

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

Repair service:

Fax: 0049 (0) 951 96555-111
E-Mail: service@stuermer-maschinen.de
Internet: www.holzstar.de

Spare parts 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 data in these operating instructions has been compiled on the basis of the state-of-the-art, valid standards and guidelines as well as our many years of expertise and experience.

The manufacturer shall not be liable for damage in the following cases:

- Non-observance of these operating instructions
- Unintended use
- Deployment of untrained staff
- Conversions at one's own responsibility
- Technical modifications
- Use of unauthorised spare parts

The actual scope of delivery may deviate from the descriptions and illustrations in this document as a result of special variants, optional extras or recent, technical modifications.

The obligations defined in the supply contract shall apply in addition to the general terms and conditions and the manufacturer's general terms and conditions as well as the statutory regulations valid at the time of the conclusion of the contract.

2 Safety

This section provides an overview of all important safety packages for personal protection as well as safe and reliable operation. The sections on individual service life phases contain additional, specifically applicable safety information.

2.1 Legend of symbols

Safety Instructions

Safety instructions in these operating instructions have been highlighted with symbols. Safety instructions are indicated by signal terms that express the degree of risk involved.

DANGER!

This combination of symbol and signal term indicates a directly dangerous situation which may cause death or serious injury if not averted.

WARNING!

This combination of symbol and signal term indicates potentially hazardous situations which may cause death or serious injury if not averted.

ATTENTION!

This combination of symbol and signal term indicates a potentially hazardous situation which may cause minor or light injuries if it is not averted.

IMPORTANT!

This combination of symbol and signal term indicates a potentially dangerous situation which may cause material damage or harm the environment if it is not averted.

NOTE!

This combination of symbol and signal term indicates a potentially dangerous situation which may cause material damage or harm the environment if it is not averted.

Tips and recommendations

Tips and recommendations

This symbol highlights useful tips and recommendations as well as information for efficient and reliable operation.

Observe the safety information in these operating instructions to minimise the risk of personal injury as well as material damage and prevent hazardous situations.

2.2 Responsibility of the operator

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

Obligations of the operator:

If the machine is used in the commercial sector, the operator of the machine is subject to the legal obligations for occupational safety. Therefore, the safety instructions in this operating manual as well as the safety, accident prevention and environmental protection regulations applicable to the area of application of the machine must be observed. The following applies in particular:

- The operator must obtain information about the applicable occupational safety regulations and, in a risk assessment, must also identify additional hazards that arise as a result of the special working conditions at the place of use of the machine. He must implement these in the form of operating instructions for the operation of the machine.
- The operator must check during the entire period of use of the machine whether the operating instructions he has prepared comply with the current state of the regulations and adjust them if necessary.
- The operator must clearly regulate and determine the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- The operator must ensure that all persons handling the machine have read and understood this manual. In addition, he must train the staff at regular intervals and inform them about the dangers.
- The operator must provide the personnel with the necessary protective equipment and bind the wearing of the necessary protective equipment in a binding manner.

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

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

2.3 Qualification of the staff

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

WARNING!

Danger due to insufficient qualification of persons!

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

- All work should only be carried out by qualified persons.
- Keep inadequately qualified persons out of the work area.

Only persons who are expected to carry out this work reliably are permitted for all work. Persons whose reactivity z. As influenced by drugs, alcohol or drugs are not allowed.

This manual identifies the qualifications of the persons listed below for the different tasks:

Operator:

The operator has been instructed in a briefing by the operator about the tasks assigned to him and possible dangers of improper behavior. The operator may only carry out tasks that go beyond normal operation if this is specified in this operating manual and the operator has expressly entrusted this to him.

Electrician:

Due to their professional training, knowledge and experience as well as knowledge of the relevant standards and regulations, the electrician is in a position to carry out work on electrical installations and to recognize and avoid possible dangers independently.

Personnel:

Due to their technical training, knowledge and experience, as well as knowledge of the relevant standards and regulations, qualified personnel are in the position to carry out the work assigned to them and to recognize possible dangers independently and to avoid hazards.

Manufacturer:

Certain work may only be carried out by specialist personnel of the manufacturer. Other personnel are not authorized to carry out this work. To carry out the work, contact our customer service.

2.4 Personal protective equipment

Personal protective equipment is intended to protect the health and safety of persons at work. Staff must wear the personal protective equipment indicated in individual sections of these operating instructions when carrying out the different tasks on the machine.

The personal protective equipment is described in the following section:

Ear protection

The ear protection protects against hearing damage caused by noise.

Eye protection

Protective glasses protect the eyes against pro-jected parts and splashes of liquid.

Protective gloves

The protective gloves provide protection for the hands against sharp-edged components, as well as against friction, abrasions or deeper injuries.

Safety boots

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

Protective clothes

Protective work clothing means tight-fitting clothing with low tear resistance.

2.5 Safety labels on the device

The following safety signs are applied on the Wood Lathe (Fig. 1), which need to be observed and followed. .

Fig. 1: Safety labels

If safety labels on the machine are damaged or missing, this can cause errors, personal injury and material damage. The safety symbols attached to the machine must not be removed. Damaged safety symbols must be replaced immediately. As soon as the signs are not clearly visible and compre-hensible at first glance, the machine must be stopped until new signs have been attached.

2.6 Safety data sheets

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

2.7 Safety equipment

Motor protection switch

NOTE!

In the engine of the lathe is a thermal protection switch, which automatically shuts off the engine in case of thermal overload.

After eliminating the cause of the overload and waiting for the engine to cool down completely, the engine can be restarted.

Emergency stop button

NOTE!

The emergency stop button is located above the control panel. The emergency stop button is used to quickly put the machine into a safe state in case of danger or to avert a danger.

Cover-circuit breaker

NOTE!

The cover circuit breaker is located under the front cover. If the cover is not mounted or not closed, the switch prevents the engine from starting.

3 Intended Use

The Wood Lathe DB 1202 Vario is used exclusively for turning wood or wood-like materials. The maximum turning length and the maximum workpiece diameter to be machined (see chapter "Technical Data") must be observed It is suitable for private use, not for industrial use Use beyond or beyond the intended use is considered misuse.

WARNING!

Danger in case of misuse!

Misuse of the Wood Lathe can lead to dangerous situations.

- Only operate the Wood lathe 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 Wood lathe in a technically perfect condition.
- Never work on several workpieces at the same time.

For structural and technical changes to the Wood Lathe the company Stürmer Maschinen GmbH assumes no liability.

Claims of any kind due to damage due to improper use are excluded.

4 Technical Data

Type	DB 1202
Max. turning Ø	460 mm
Max. height	230 mm
Max. width	1185 mm
Spindle head thread	M 33 x 3,5
Morse cone	MK 2
Speeds	0-3200 min^{-1}
Control of the speed regulation	Electronic variable
Speed stages	2 stages
Motor output	1,5 kW
Electrical connection	230 V / 50 Hz
Dimensions	2060 x 500 x 1200mm
Weight	189 kg

External rotating device

Model	DB 1202
Dimensions	580mm x 150mm x 110 mm
Weight (net / gross)	19 / 20 kg

4.1 Type plate

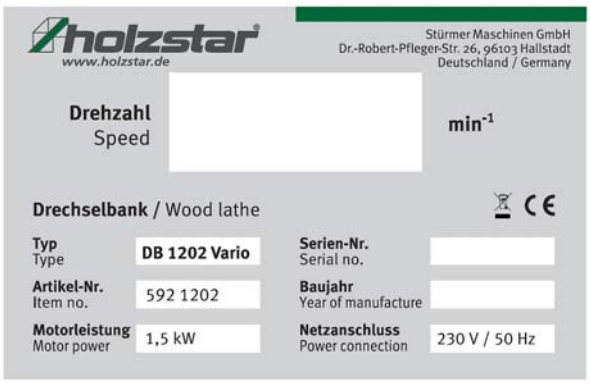


Fig. 2: Type plate DB 1202 Vario

5 Transport, packaging, storage

5.1 Delivery

Check the Wood Lathe for visible shipping damage after delivery. If you discover damage to the Wood Lathe, immediately report it to the carrier or dealer.

Transport

Improper transport 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.

WARNING!

Severe or fatal injuries may occur if parts of the machine tumble or fall down from the forklift truck, pallet truck or from the transport vehicle.
Follow the instructions and information on the transport box.
Note the total weight of the machine. The weight of the machine is indicated in the "Technical data" of the machine. When the machine is unpacked, the weight of the machine can also be read on the rating plate.
Only use transport devices and load suspension gear that can hold the total weight of the machine.

WARNING!

The use of unstable lifting and load suspension equipment that might break under load can cause severe injuries or even death. Check that the lifting and load suspension gear has sufficient load-bearing capacity and that it is in perfect condition.
Observe the accident prevention regulations issued by your Employers Liability Insurance Association or other competent supervisory authority, responsible for your company.
Fasten the loads properly.

General risks during internal transport

WARNING: 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 disturban-ces 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:

For shipping, the device packed in a wooden box is delivered on a pallet so that it can be transported by a forklift or a pallet truck.

5.2 Packaging

All of the machine‘s packaging materials and packing aids are suitable for recycling and must always be disposed of using material-based recycling systems.

Packaging materials made of cardboard must be shredded and disposed of as part of waste paper recycling.

The foils are made of polyethylene (PE), padding is made of polystyrene (PS). Dispose of these substances at a recycling centre or hand them over to the relevant waste disposal company.

5.3 Storage

The Wood Lathe must be thoroughly cleaned before it is stored in a dry, clean and frost-free environment. Cover the machine with a protective tarpaulin.

Ambient temperature range: -25 ° C to +55 ° C.

6 Description of the Device

6.1 Machine

Illustrations in these operating instructions may deviate from the original.

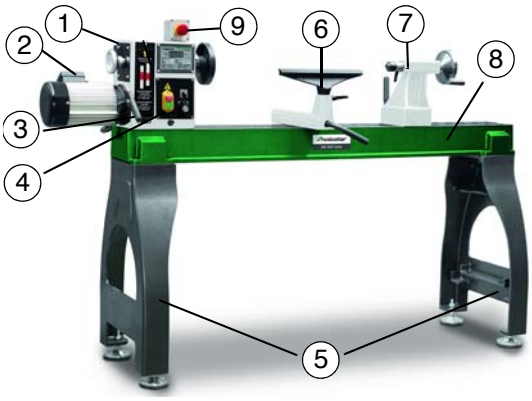


Fig. 3: Wood Lathe DB 1202

1 Protective cover pulleys

2 Drive motor

3 Lever belt tension

4 Control panel headstock

5 Machine frame

6 Tool rest

7 Tailstock

8 Machine bed

9 Emergency stop button

6.2 Control panel

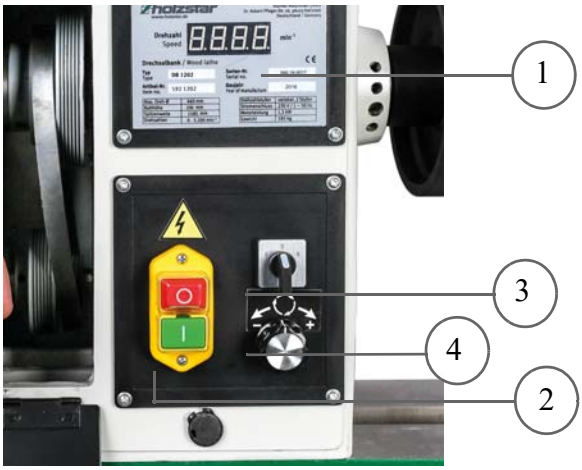
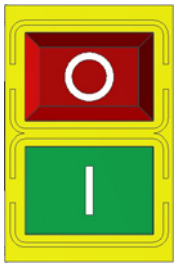


Fig. 4: Control panel

1 - Speed display

Here the currently set speed is displayed.

2 - On-off switch with stop function



The lower push-button "ON" switches on the rotation of the rotary spindle in the preselected operating mode.

The upper pushbutton "OFF" switches off the rotation of the rotary spindle.

3 - Switch direction of rotation

The direction of rotation of the lathe can be made by the direction of rotation switch. With the switch, two speed levels can be selected for each direction of rotation.

- the marking "R" means clockwise rotation (clockwise)

- the mark "L" means anticlockwise

DANGER!

Wait until the rotation of the spindle has come to a complete stop before changing the direction of rotation with the direction switch. Changing the direction of rotation during operation may destroy the motor and the direction switch.

4 - Potentiometer

Stepless adjustment of the speed

6.3 Scope of delivery

- Wood lathe
- Revolving center point
- Digital display
- Cast iron machine bed
- Tailstock with quick release lever and handwheel
- Instruction Manual

7 Setting up and connection

7.1 Requirements for the installation site

The Wood Lathe must be stable on a level and solid ground. It is important to ensure that there is enough freedom of movement to work. The site should meet the following criteria:

- The substrate must be level, firm and vibration-free.
- The substrate must not let any lubricant through.
- The installation or work area must be dry and well ventilated.
- Do not operate machines that cause dust and chips near the machine.
- There must be sufficient space for the operating personnel, for material transport as well as for adjustment and maintenance work.
- The site need good lighting.

7.2 Setting up the Wood Lathe

ATTENTION!

Danger of injury due to a machine that is not stably erected!
Check the stability of the machine after placing it on stable ground.

ATTENTION!

Pay attention to the weight of the machine! The machine may only be set up by two persons. Check the aid accordingly for sufficient dimensioning and load capacity.

DANGER!

To ensure sufficient stability of the machine, it should be screwed to the ground. There are 4 holes at the bottom of the machine frame (see installation plan).

The Wood lathe is delivered in a wooden box and is already mostly assembled. Only a few parts have to be mounted after delivery.

Assembly of the machine on the machine frame

The following steps will make the machine operational:

Step 1: After unpacking the wooden box, lift the machine and place it in the desired location.

Step 2: Place the machine frame on a flat work surface.

Step 3: Lift the machine with the help of a second person on the machine frame. Secure with 8 Allen screws. Place a spring washer under each of the nuts. Tighten the Allen screw firmly.

Mounting the machine on the ground

In order to achieve the required stability of the lathe, the lathe on its machine frame must be connected to the ground. We recommend the use of composite anchor cartridges or heavy duty anchors.

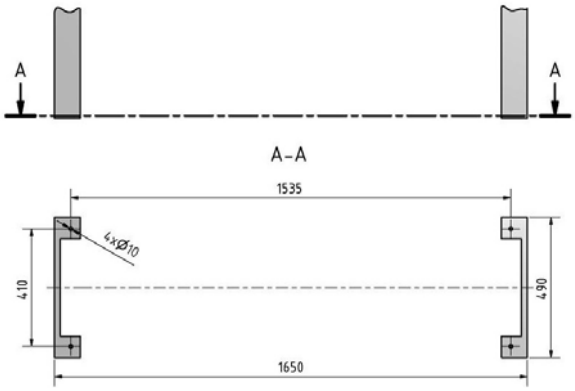


Fig. 5: Installation plan

Aligning the machine using the leveling feet

Attach the 4 leveling feet to the machine base and align the machine horizontally.

Fig. 6: Drillings

7.3 Electrical connection

DANGER!

Danger of electrocution!

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.

Step 1: Plug the plug into a 230V power outlet.

Step 2: The machine is now ready for operation.

8 Operation

NOTE LUBRICATION!

Before starting the lathe, all moving parts must be greased. To lubricate the shifter shafts and drive shafts, the belt cover must be removed. Only one adhesive grease may be used here, otherwise it could lead to malfunctions!

In addition, guides, sleeves and bearings must be lubricated or lubricated with commercially available lubricating grease.

DANGER!

Danger of electrocution!

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

- Disconnect the power before starting adjustments to the machine.

WARNING!

Risk of Death!

There is danger to life for the operator and other persons if they do not adhere to the following rules.

- The Wood Lathe may only be operated by a trained and experienced person.
- The operator may not work while under the influence of alcohol, drugs or medication.
- The operator must not work when he is tired or suffering from concentration-impairing illnesses.
- The Wood Lathe may only be operated by one person. Other persons must keep away from the work area during operation.

ATTENTION!

Crushing!

Incorrect work on the machine can cause injury to the upper limbs.

DANGER!

Before commissioning, check the electrical connection, lines and contacts.

Wear ear protection!

Wear safety glasses!

Wear safety shoes!

Wear protective clothing!

8.1 Start the machine

Step 1: Select the direction of rotation by means of the direction switch.

Step 2: Unlock emergency stop button.

Step 3: Press the pressure switch "ON".

8.2 Turn off the machine

Step 1: Press the pressure switch "OFF“

NOTE!

If the turning lathe comes to a standstill, pull out the connection plug.

8.3 Speed change with potentiometer

You can continuously set the speed of the lathe in two speed ranges.

8.4 Speed change due to belt change

DANGER!

Only open the protective cover when the lathe is disconnected from the electrical supply.

Close and screw in the protective cover after every change of position of the V-belt.

Step 1: Pull out the connector of the lathe.

Step 2: Open the protective cover.

Step 3: Release the clamping lever to the desired gear ratio.

Step 4: Retighten the clamping lever and tighten the belt drive.

Step 5: Close the protective cover again.

DANGER!

Pay attention to the correct tension of the V-belts.

Too much or too little tension on the V-belts may cause damage.

The V-belts are really tense, if you can push your finger for about 1cm.

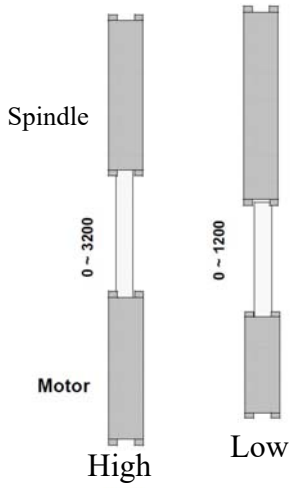


Fig. 7: Belt occupancy

Ø Workpiece [mm]	Speed at a rough surface [min^{-1}]	Speed at a middle surface [min^{-1}]	Speed at a fine surface [min^{-1}]
under 50	1520	3200	3200
50 - 100	760	1600	2480
100 - 150	510	1080	1650
150 - 200	380	810	1240
200 - 250	300	650	1000
250 - 300	255	540	830
300 - 350	220	460	710
350 - 400	190	400	620

Fig. 8: Speed Table

8.5 Adjusting the headstock

In the lathe, you also have the option to move the headstock on the machine bed after loosening the clamping nut.

Step 1: Loosen the clamp nut and move the headstock to the desired position on the machine bed.

Step 2: Tighten the clamping nut.

DANGER!

When moving it can lead to the toppling of the headstock from the machine bed.

Fig. 9: Nut

8.6 Adjusting the tailstock

After releasing the tailstock clamping lever, the tailstock can be moved as required on the machine bed.

Step 1: To clamp a long workpiece between points, clamp the tailstock to the clamping part.

Step 2: Turn the tailstock spindle out of the handwheel until the revolving centering point is sufficiently deep in the workpiece to be machined. This should protrude about 20mm from the tailstock.

Step 3: Clamp the spindle on the clamping lever.

Step 4: Check by hand if the workpiece is tight.

DANGER!

Adjust the centering point during machining.

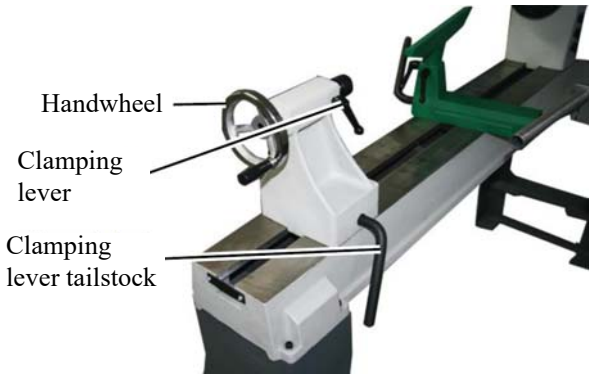


Fig. 10: Tailstock

8.7 Adjusting the tool rest

Use the tool rest to guide the lathe tool safely and to support the hand.

Step 1: Adjust the tool rest approx. 3mm above the rotation axis.

Step 2: After aligning the tool rest, clamp the 2 clamping levers for the tool holder

By loosening the clamping lever of the carriage can be moved anywhere on the machine bed.

Fig. 11: Adjustment

8.8 Replacing the clamping tools

8.8.1 Mounting the faceplate

Step 1: Hand-tighten the faceplate onto the main spindle. Insert the rod into the fitting bore of the faceplate.

Step 2: Screw the threaded bolt into one of 3 threaded holes to prevent the spindle from spinning.

Step 3: Firmly tighten the faceplate with the help of the bar to avoid loosening during operation!

Step 4: Tighten, including 2 setscrews, to avoid loosening the faceplate.

To fasten a workpiece to the faceplate, screw it on with 4 sufficiently long wooden screws. When editing, make sure that you do not come to the screws with the turning tool.

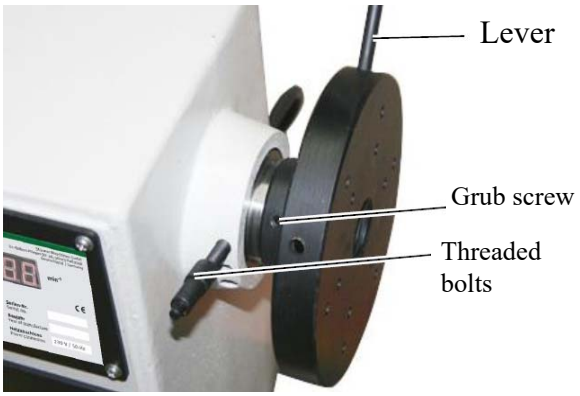


Fig. 12: Faceplate assembly

DANGER!

Make sure that after installing the faceplate before turning the lathe, the auxiliary tool (rod and threaded bolt) are removed.

DANGER!

Only mount the faceplate when the lathe is disconnected from the electrical supply.

8.8.2Replacing the tool tappet

Step 1: Insert the tool tappet into the main spindle by hand

Step 2: Hold it tight to prevent it from falling and being damaged.

Only use the tool tappet for work between tips!

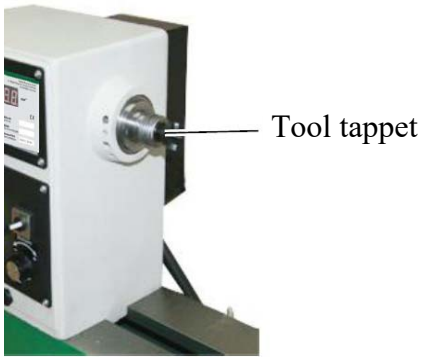


Fig. 13: Assembly

Step 3: To release the front driver, insert the rod on the back of the main spindle and gently tap out the front driver.

Fig. 14: Dismantling

8.8.3 Replacing the moving tailstock tip

Step 1: Loosen the clamping lever. Turn the spindle on the handwheel completely to the rear. The cone dissolves. to remove the tailstock tip.

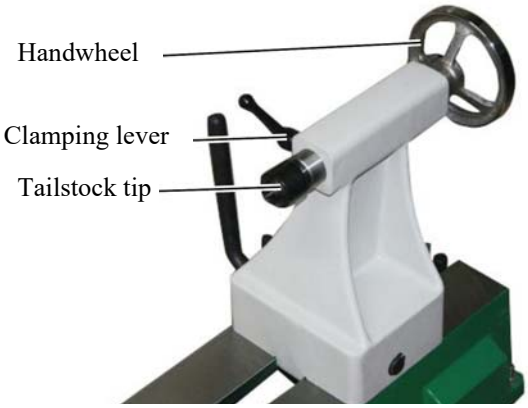


Fig. 15: Tailstock tip

8.9 Material selection

The wood must be of good quality and without defects such as Cross cracks or branches. Faulty wood tends to splinter and we risk user and machine. Workpieces made of glued woods should only be worked by an experienced craftsman. The turning of these woods requires a careful gluing without weak spots, because the workpiece can explode due to the resulting centrifugal force.

8.10 Material preparation

For the turning of long wood, the material must first be cut to a square shape. For turning wood, the material must also be cut to size. For example, you can saw out the cross-section of the cross-piece with a band saw. Suitable is an octagonal shape, thereby vibration can be avoided.

8.11 Center workpiece

The centering of the prepared workpieces is an important operation prior to insertion into the machine. Centering means measuring the center of the workpiece, marking with grains and punching a recess of 1.5 to 2 mm diameter into the center. If the workpiece is not centered exactly, the imbalance causes excessive vibrations. A spin out of the workpiece can be the result.

NOTE!

Only through the exact workpiece centering can you achieve a clean concentricity.

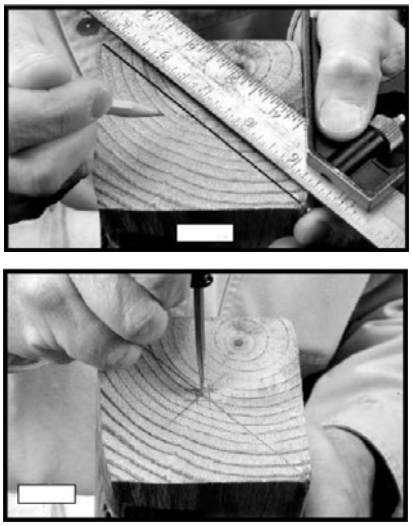


Fig. 16: Center of the workpiece

8.12 Position of the tool rest

Position the tool support approx. 3.2 mm away from the edge of the workpiece and approx. 3.2 mm above the center of the workpiece.

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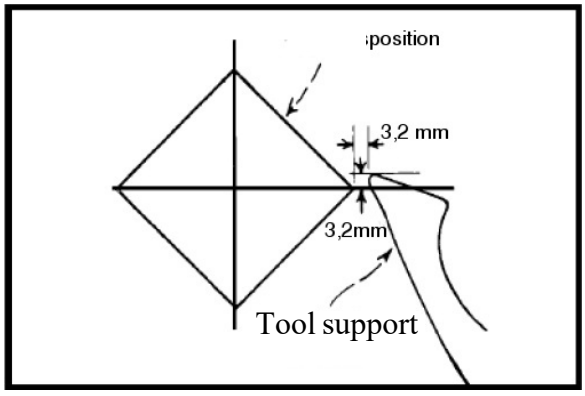

Fig. 17: Positioning tool rest

8.13 During the turning

The still unprocessed workpiece must be machined at low speed. After the preturning, that is, when the basic shape of the workpiece, as well as a uniform concentricity is reached, the speed can be increased. The revolving center point must be readjusted in between using the handwheel with the motor switched off. The center of the grain must be firmly in the wood. Turn the workpiece by hand to check the tight fit between the tips.

9 Care,maintenance and repair

DANGER!

Risk of fatal injury due to electric shock!

Contact with live components may result in fatal injury. Switched-on electrical components can make uncontrolled movements and lead to serious injuries.

- Before starting cleaning and maintenance work, switch off the machine and disconnect the mains plug.
- Connections and repairs to the electrical equip-ment may only be carried out by a qualified electrician.

9.1 Care after work

Use protective gloves!

NOTE!

Never use harsh cleaning agents for cleaning. This can lead to damage or destruction of the device.

Step 1: Disconnect the power plug from the power outlet.

Step 2: Clean the machine from chips and dust with compressed air (Attention: wear safety glasses and dust mask!) And / or with a dry cloth.

Step 3: Spray or oil all unpainted metal surfaces with a bit of anti-rust spray.

Step 4: Clean the sleeves, grease the thread.

Step 5: Check the machine for damage to the safety devices and the cutter. If necessary, carry out or arrange the repair according to the safety instructions.

Step 6: Check the machine regularly for:

- Suitable tension of the drive belt
- Loose screws and nuts
- Worn or damaged switches

Step 7: Every 6 months, check the drive belt once a month for daily use, replace if worn or damaged.

9.2 Maintenance and repair

Maintenance and repair work may only be carried out by qualified personnel.

If the Wood Lathe does not work properly, contact a dealer or our customer service. The contact details can be found in chapter 1.2 Customer Service.All protection and safety equipment must be reinstalled immediately after completion of repair and maintenance work.

9.2.1 Functional test

The Wood lathe is delivered ready to use.

Before each use, a functional test should be carried out.

The drive belt must be on voltage.

Step 1: Check the direction of rotation of the workpiece.

9.2.2 Lubrication

Regularly lubricate or lubricate shafts, threads, sleeves, bearings and guides (at least once a month or more frequently if necessary).

Lubricate the shifter and drive shafts only with adhesive grease, as otherwise the belt may malfunction.

9.2.3 Changing the drive belt

The drive belt must not come into contact with oil or grease. It must be checked regularly for wear, cracks or brittleness. If necessary, replace the drive belt, at least once a year.

10 Disposal, recycling of old equipment

In your own interests and in the interests of the environment, please ensure that all components of the machine are disposed of in the proper and approved way.

10.1 Decommissioning

Disused machines must be decommissioned immediately to prevent misuse at a later point and putting the environment or persons at risk.

Step 1: Remove all environmentally hazardous fluids from the old machine.

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

Step 3: Guide the machine components and operating materials to the appropriate disposal routes.

10.2 Disposal of electrical equipment

Please note that electrical appliances contain a variety of recyclable materials as well as environmentally harmful components.Make sure that these components are disposed of separately and properly. In case of doubt, please contact your municipal waste disposal.

If necessary, the help of a specialized waste management company can be used for the treatment.

10.3 Disposal of lubricants

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

10.4 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 the health of others. Environment and health are endangered by improper disposal. Material recycling helps to reduce the consumption of raw materials. For more information about recycling this product, contact your local community, municipal waste management, or the shop where you purchased the product.

11 Troubleshooting

Fault	Possible cause	Solution
The workpiece surface is too rough	1. Turning tools out of focus, 2. Turning iron springs	1. Sharpen turning tools 2. Tighten the turning iron for a shorter period
The workpiece becomes conical	1. Tips are not aligned (tailstock offset)	1. Align the tailstock to the middle
the workpiece flutters	1. Workpiece loosens when working 2. Centering not centered 3. Too high speed	1. Observe the working instructions in the operating instructions 2. Center workpiece 3. Select lower speed
Strong vibrations	1. Workpiece warped, non-circular, has large flaws / cracks or was not prepared for turning 2. Worn out spindle bearing 3. Worn belt 4. Engine mounting or handle loose 5. Turning lathe stands on uneven surface	1. Prepare workpiece by planing, sawing for turning 2. Replace spindle bearing 3. Replace belt 4. Tighten screws and handle 5. Place lathe on level surface and align
Engine is not running	1. Motor incorrectly connected 2. Fuse defective	1. Let it checked by a specialist 2. Let it checked by a specialist
Engine overheats and has no power	1. Motor overloaded 2. too low mains voltage 3. Motor incorrectly connected	1. Reduce feed 2. Switch off and have it checked by a specialist 3. Have it checked by a specialist
Poor work accuracy	1. Uneven, heavy or distorted workpiece 2. Inaccurate horizontal position of the tool rest	1. Balance the workpiece in a balanced way and clamp it tension-free 2. Align tool rest
Digital display does not work	1. Digital display sensor not in the correct position	1. Open the belt cover and position the sensor so that it detects the screws

12 Spare parts

DANGER!

Risk of injury caused by the use of incorrect spare parts!

The use of incorrect or faulty spare parts may cause risks for operating staff and damage as well as malfunctions.

- Exclusively genuine spare parts made by the manufacturer or spare parts authorised by the manufacturer shall be used.
- Always contact the manufacturer if you are unsure.

Tips and recommendations

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

12.1 Ordering Spare parts

Spare parts are available from authorised retailers.

The following key data is required for queries or spare parts orders:

- Device type
- Item number
- Position number
- Year of construction
- Quantity
- Desired shipping type (post, freight, sea, air, express)
- Shipping address

Spare parts orders without the aforementioned data cannot be taken into account. The supplier shall deter-mine the shipping type if no relevant data was provided.

Data on the machine type, item number and year of manufacture is listed on the type plate attached to the machine.

Example

The drive belt for the Wood Lathe DB 1202 Vario must be ordered. The drive belt has the number 43 in the spare parts drawing 1.

By ordering spare parts, send a copy of the spare parts drawing (1) with the marked part (drive belt) and marked positon number (43) to the dealer or spare parts department and provide the following information:

- Type of device: **Wood Lathe DB 1202 Vario**
- Item number: **5921202**
- Drawing number: **1**
- Position number: **43**

12.2 Spare parts drawings DB 1202 Vario

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

Spare parts drawing 1

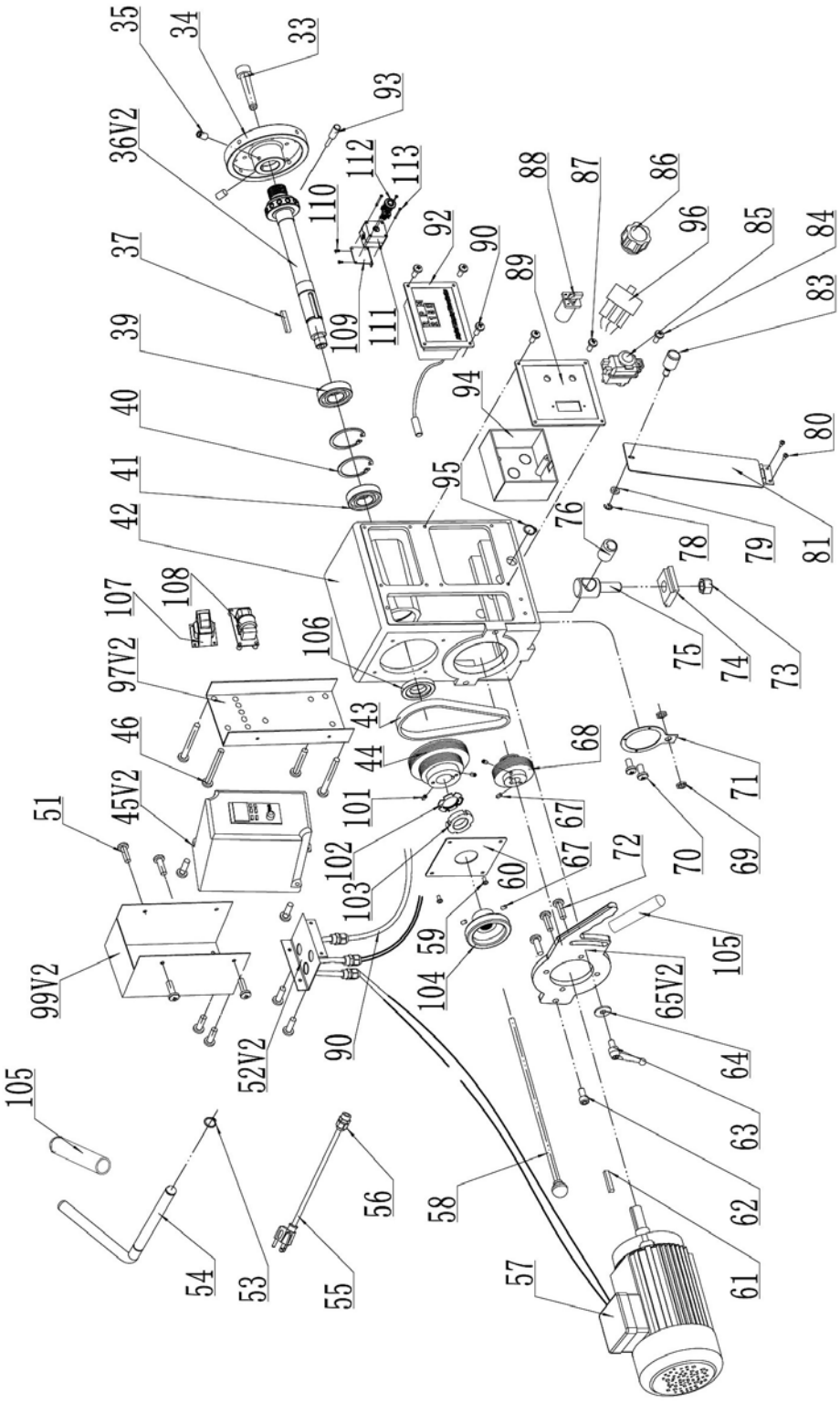

Fig. 18: Spare parts drawing 1 Wood Lathe DB 1202 Vario

Spare parts drawing 2

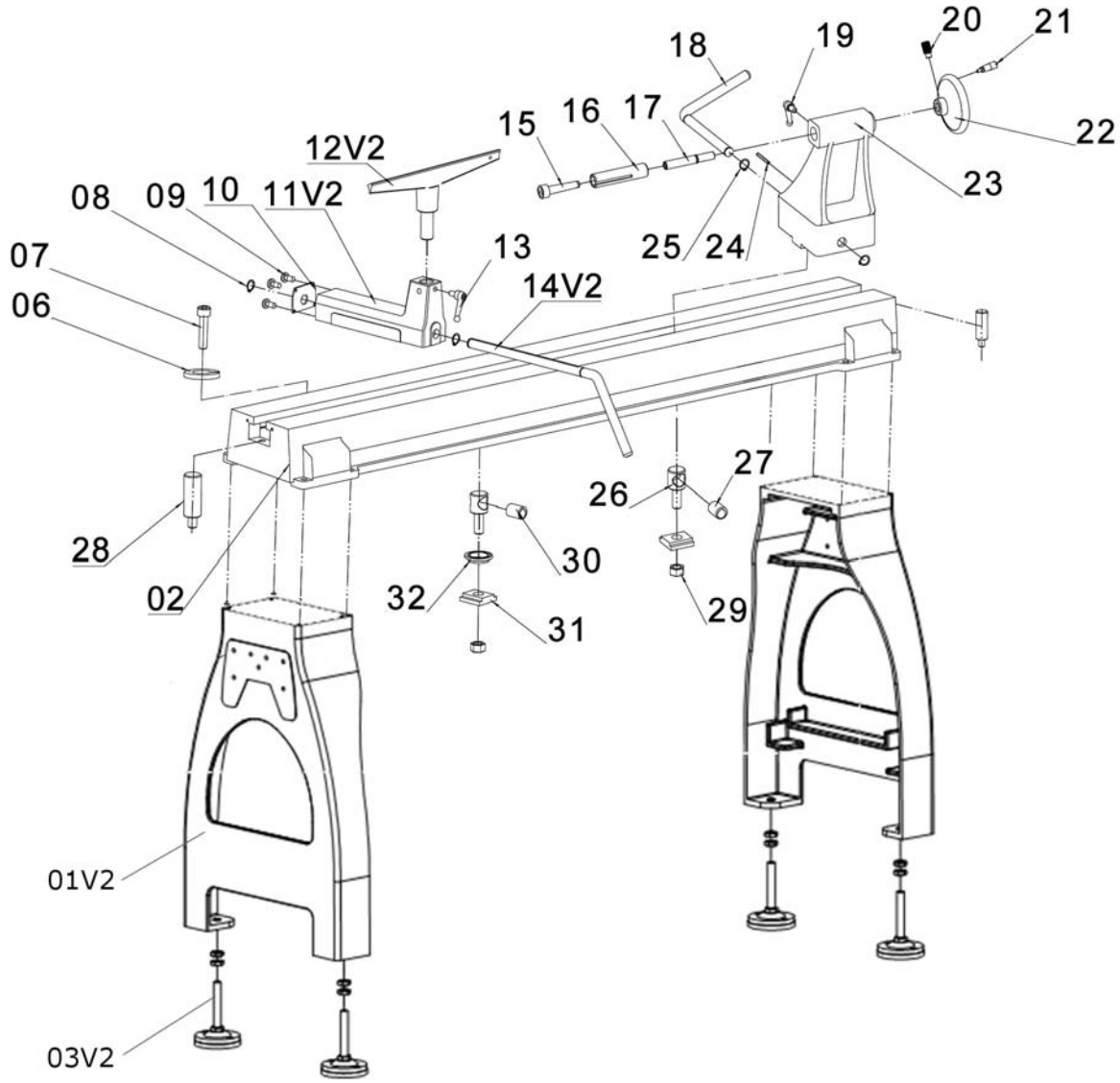

Fig. 19: Spare parts drawing 2 Wood Lathe DB 1202 Vario

13 Electrical wiring diagram

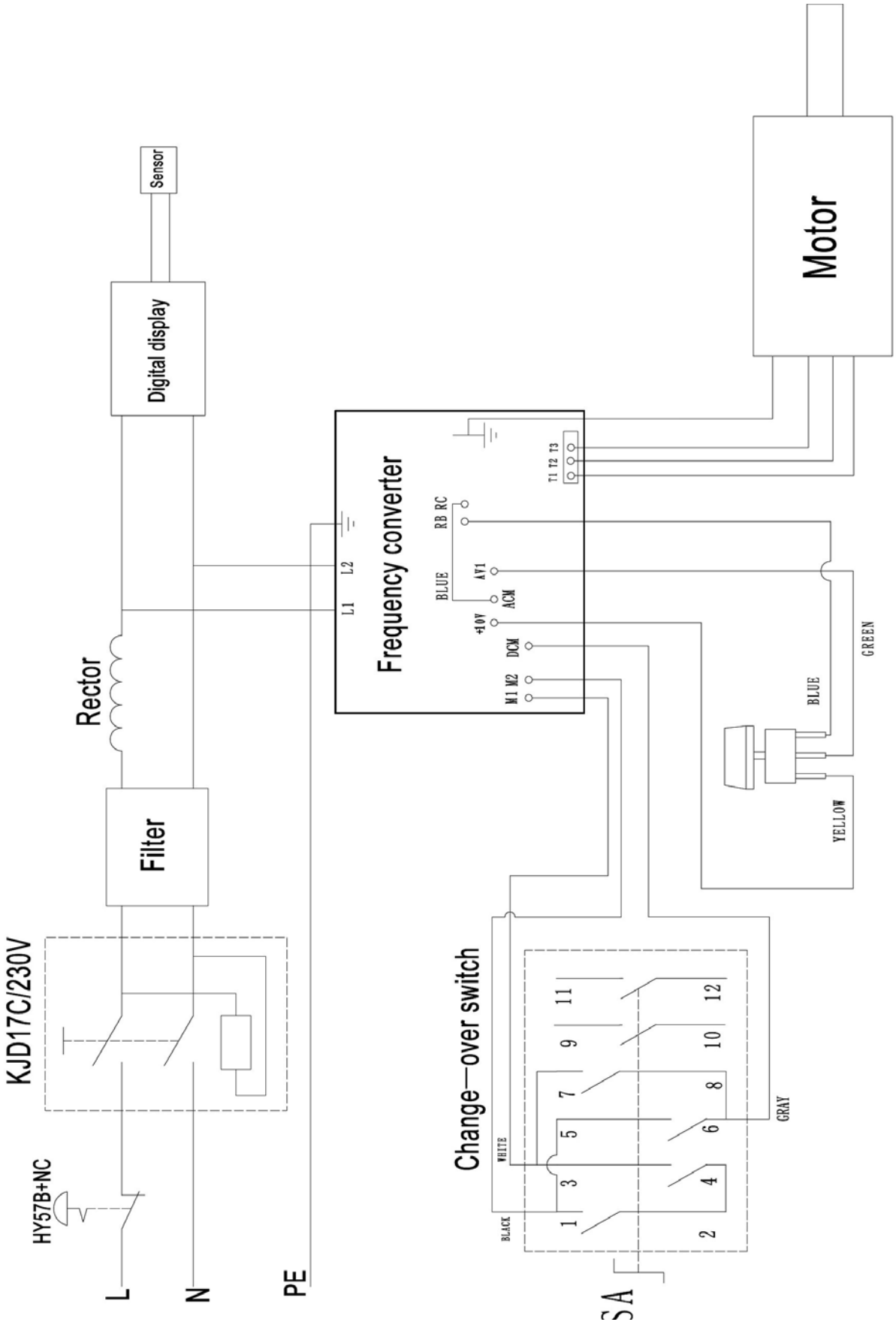

Fig. 20: Electrical wiring diagram DB 1202 Vario

14 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 Machines

Machine type: Wood Lathe

Description of the machine: DB 1202 Vario

Item number: 5921202

Serial number*: _____

Year of manufacture*: 20____

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

complies with all relevant regulations of the aforementioned directive as well as any other, applicable directives (subsequently added) – including the changes applicable at the time the declaration was made.

Relevant EU directives:

2014/30/EU	EMC-Directive
2012/19/EU	WEEE-Directive

The following harmonized standards have been applied:

DIN EN ISO 12100:2011-03	Safety of machinery. General principles for design. Risk assessment and risk reduction
DIN EN 60204-1:2019-06	Safety of machinery - Electrical equipment of machines - Part 1: General requirements

Responsible of the documentation: Kilian Stürmer, Stürmer Maschinen GmbH,
Dr.-Robert-Pfleger-Str. 26, D-96103 Hallstadt

Hallstadt, 02.06.2021

_____
Kilian Stürmer
Manager

CE


stürmer
OPTIMUM