holzstar
Holzbearbeitungsmaschinen

Operating instructions

Universal multi-purpose combination machine

UMK 6

UMK 6

UMK 6

Legal

Product identification

Universal multi-purpose combination

machine UMK 6 5905600

Manufacturer

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

Fax 0049 (0) 951 96555 - 55
Email info@holzstar.de
Website: www.holzstar.de

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Contents

1 Introduction

You have made an excellent choice in purchasing the universal multi-purpose combination machine from Holzstar.

Please read the operating instructions carefully before starting up the machine.

This manual provides information on the proper commissioning, intended use, safe and efficient operation and maintenance of your universal multi-purpose combination machine.

The operating instructions are an integral part of the universal multi-combination machine. Always keep these operating instructions at the place of use of your universal multi-combination machine. In addition, observe the local accident prevention regulations and general safety regulations for the area of use of the universal multi-combination machine.

1.1 Copyright

1.2 Customer service

If you have any questions about your universal multi-purpose combination machine or require technical information, please contact your specialist dealer. They will be happy to assist you with expert advice and information.

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

Repair service:
Fax: 0951 96555-111
Email: service@stuermer-maschinen.de
Website: www.holzstar.de

Spare parts order:
Fax: 0951 96555-119
Email: ersatzteile@stuermer-maschinen.de

We are always interested in information and experiences resulting from the use of our products that may be valuable for improving them.

1.3 Limitation of liability

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

The manufacturer accepts no liability for damage in the following cases:

- Failure to observe these instructions
- Improper use
- Use by untrained personnel
- Unauthorised modifications
- Technical modifications
- Use of unauthorised spare parts

The actual scope of delivery may differ from the explanations and descriptions provided here in the case of special designs, the use of additional order options or due to the latest technical changes.

The obligations agreed in the delivery contract, the general terms and conditions, the manufacturer's delivery conditions and the legal regulations valid at the time of conclusion of the contract apply.

2 Safety

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

2.1 Explanation of symbols

Tips and recommendations

Tips and recommendations

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

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

Safety instructions

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

DANGER!

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

WARNING!

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

CAUTION

This combination of symbol and signal word indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

ATTENTION!

This combination of symbol and signal word indicates a potentially hazardous situation which, if not avoided, may result in damage to property or the environment.

2.2 Personal protective equipment

Personal protective equipment is used to protect people from hazards to their safety and health at work. During the various tasks performed on and with the machine, personnel must wear personal protective equipment, which is referred to separately in the individual sections of this manual.

The following section explains personal protective equipment:

Hearing and head protection

Hearing protection protects against hearing damage caused by noise. The industrial helmet protects the head against falling objects and collisions with fixed objects.

Safety goggles

Safety goggles are used to protect the eyes from flying debris.

Suitable protective gloves

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

Safety shoes

Safety footwear protects the feet from crushing, falling parts and slipping on slippery surfaces.

Protective work clothing

Protective work clothing is close-fitting work clothing without protruding parts and with low tear resistance.

2.3 Safety markings on the machine

The following safety labels are affixed to the universal multi-purpose combination machine (Fig. 1) and must be observed and followed.

Fig. 1: Safety markings on the machine

The safety labels attached to the machine must not be removed. Damaged or missing safety labels can lead to incorrect operation, personal injury and property damage. They must be replaced immediately.

If the safety markings are not immediately recognisable and understandable, the machine must be taken out of service until new safety markings have been affixed.

2.4 Safety devices

Emergency stop button

In emergencies, press the emergency stop button and the machine will shut down immediately. The power supply will be switched off or the drives will be mechanically disconnected. After the emergency stop button has been pressed, it must be unlocked by turning it in the direction of the arrow so that it can be switched on again.

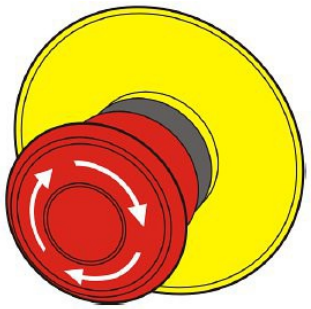

Fig. 2: Emergency stop button

Motor circuit breaker

The universal multi-combination machine is equipped with a motor protection switch that shuts down the machine in the event of overload.
After eliminating the cause of the overload and waiting until the motor has cooled down completely, the motor protection switch can be pressed and the machine restarted.

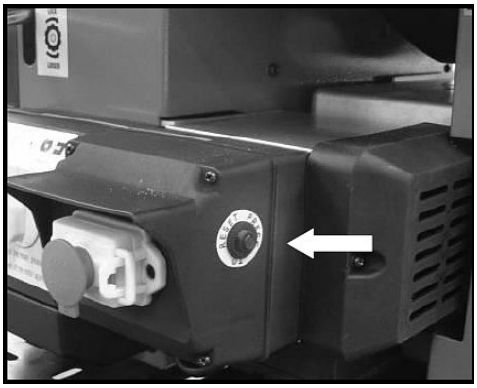

Fig. 3: Motor protection switch

3 Intended use

The UMK 6 universal multi-combination machine is designed for sawing and milling with versatile adjustable angles, as well as for planing and drilling long holes in boards and strips. It can be used to process solid wood, chipboard, panels and profiles. The operating conditions for the saw blade used must be observed in accordance with the safety instructions. Firewood must not be processed. The machine must be operated with a suitable extraction system. It is suitable for private use, not for industrial use. Proper use also includes compliance with all information in these instructions. Any use beyond the intended use or any other use is considered misuse.

WARNING!

Danger in case of misuse!

Misuse of the universal multi-purpose combination machine can lead to dangerous situations.

Never work on several workpieces at the same time.

Stürmer Maschinen GmbH accepts no liability for structural and technical changes to the universal multi-combination machine.

Claims of any kind for damage resulting from improper use are excluded.

4 Technical data for the

Model	UMK 6
Motor power 230 V/50 Hz	1.0 kW
Suction connection diameter	58 mm
Weight	49 kg
Circular saw	
Saw blade diameter	200 mm
Max. cutting height	42 mm
Rotational speed (saw blade)	4200 rpm
Work table dimensions	620 x 300 mm
Dimensions of sliding carriage	120 x 740 mm
Travel distance of sliding carriage	500
Extraction nozzle diameter Saw blade guard	21

Model	UMK 6
Planer	
Working width	154 mm
Table length	620 mm
Rotational speed of planing shaft	6000 rpm
Number of planer blades	2
Max. chip removal	1.5 mm
Thickness planer	
Table length	320 mm
Passage width	154 mm
Min./max. passage height	9 / 92 mm
Max. chip removal	1.5 mm
Feed rate	7 m/min
Table milling machine	
Spindle mount	12 mm
Holder for milling cutter	6 / 8 mm
Spindle height adjustment	0 - 42 mm
Spindle speed	9000 rpm
Slot cutter	
Work table	260 x 125 mm
Chuck clamping range	13
Holder for slotted hole drill bits	6 / 8 / 10 mm
Slot height	95 mm
Transverse movement (drilling width)	60 mm
Longitudinal movement (drilling depth)	45 mm

4.1 Type plate UMK 6

Fig. 4: Type plate

5 Transport, packaging and positioning

5.1 Delivery and transport

Delivery

After delivery, check the universal multi-combination machine for visible transport damage. If you discover any damage to the universal multi-combination machine, report it immediately to the transport company or dealer.

xml-ph-0000@deepl.internal

WARNING!

Danger to life!

If the weight of the device and the permissible load capacity of the lifting equipment are not observed during transport or lifting work, the device may tip over or fall.

- When transporting and lifting, observe the weight of the device and the permissible load capacity of the lifting equipment.
- Check that lifting gear and load-securing equipment are in perfect condition.

Transport with a forklift truck/pallet truck:

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

5.2 Packaging

All packaging materials and packaging aids used for the universal multi-purpose combination machine are recyclable and must always be sent for recycling.

Cardboard packaging components should be shredded and disposed of with waste paper.

The films are made of polyethylene (PE) and the padding parts are made of polystyrene (PS). These materials should be taken to a recycling centre or your local waste disposal company.

5.3 Storage

The universal multi-combination machine must be thoroughly cleaned before being stored in a dry, clean and frost-free environment. Cover the machine with a protective tarpaulin.

6 Device description

6.1 Machine

Illustrations in this operating manual may differ from the original.

Fig. 5: UMK 6 universal multi-purpose combination machine

1 Planing stop

2 Milling extraction

3 Clamping device for slotted hole cutter

4 Slot cutter table

5 Stop with angle adjustment

6 Motor circuit breaker

7 Transport rollers

8 ON and OFF switch

9 Function selector switch

10 Position lever for saw blade

11 Carriage

12 Mitre fence

13 Saw blade guard

14 Workpiece stop

Fig. 6: ON and OFF switch

NOTE FUNCTION SELECTOR SWITCH !

The two function selector switches (9) are interlocked. As long as one switch is set to a function, the other switch cannot be operated. To operate one switch, the other switch must be set to position 0.

If the function selector switch cannot be set to a position, switch the machine on briefly in idle mode and then switch it off again to move the shaft to another position. Repeat this process several times if necessary.

6.2 Scope of delivery:

- 2-blade planing shaft
- Planer blade set
- Saw blade 200x30x2.6 mm, Z20
- Sliding carriage for saw and milling machine
- Multifunctional fence for parallel cutting and planing
- Mitre fence
- Slot drilling device with clamping arm
- Workpiece pusher

6.3 accessories (optional):

- HM saw blade 200x30x2.8 mm, Z24
- Planer blade set
- Slot hole drill bit set D = 6, 8, 10 mm
- Machine base frame with chassis

7 Set-up and connection of the universal combination machine

7.1 Setting up the universal multi-combination machine

The universal multi-combination machine must be set up on a level and firm surface so that it is stable. Ensure that there is sufficient freedom of movement for working.

CAUTION!

Risk of injury due to an insufficiently stable machine!
Check the stability of the machine on a level and stable surface.

Machine parts upon delivery:

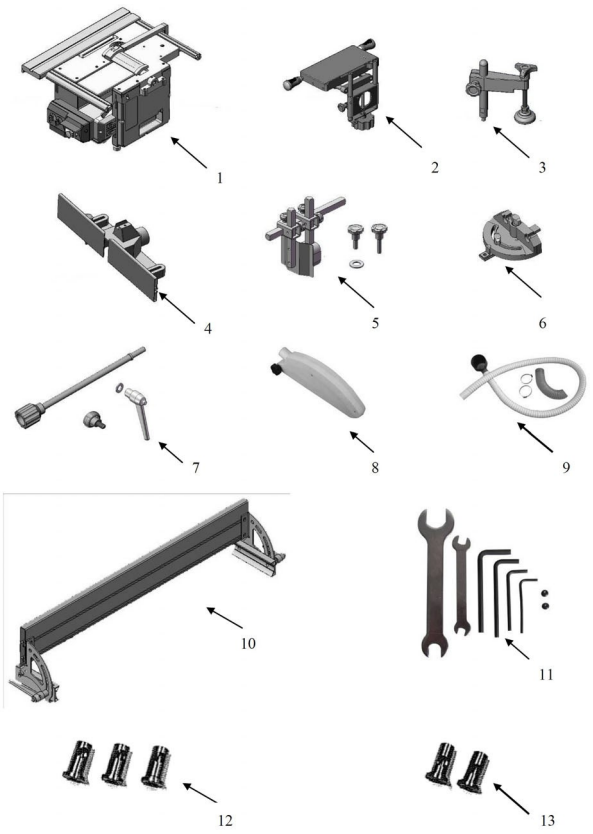

Fig. 7: Machine parts upon delivery

1 Combination machine
2 Slot milling device
3 Clamping device for slotted hole cutter
4 Stop for table milling machine
5 Guide and clamping screw for table milling machine
6 Adjustment device for mitre angle
7 Adjusting lever and clamping screw
8 Saw blade guard
9 Adapter, hoses
10 Stop for planer and saw
11 Clamping screws
12 Slot cutter adapter
13 Table router adapter
14 Assembly tool

Perform the following steps to make the machine ready for operation:

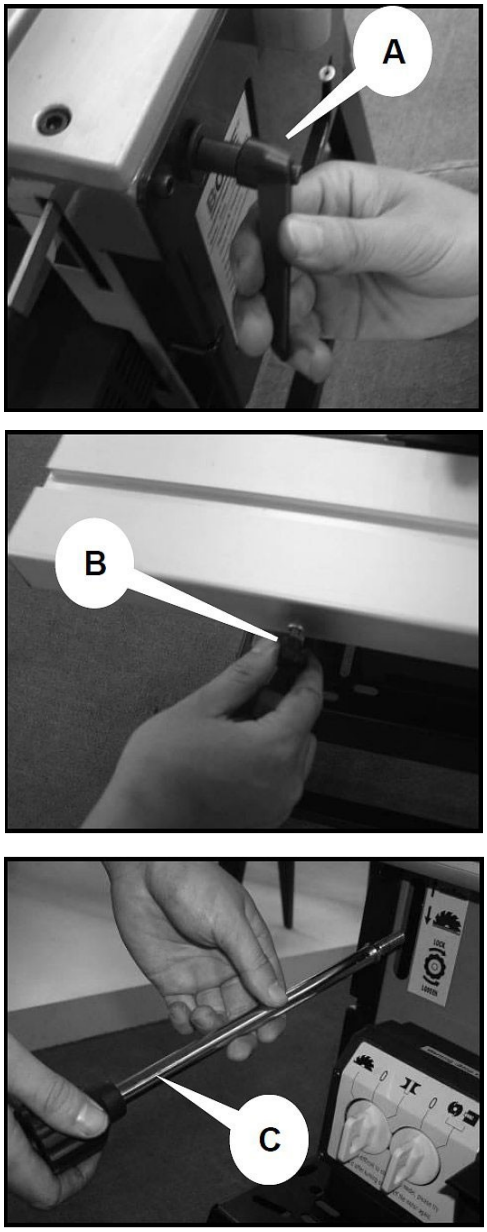

Fig. 8: Mounting the clamping lever and adjustment lever

Step 1: Screw clamping lever A with washer, clamping lever B and saw blade adjustment lever C to the machine.

Fig. 9: Mounting the mitre fence

Step 2: Attach the mitre fence to the carriage.

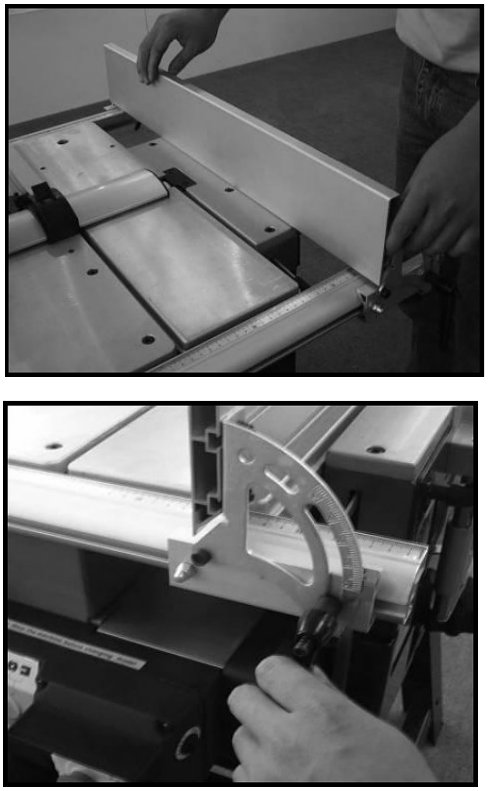

Fig. 10: Mounting the fence

Step 3: Mount the saw and milling fence on the guides on both sides of the work table. Then tighten the locking screw after setting the desired angle.

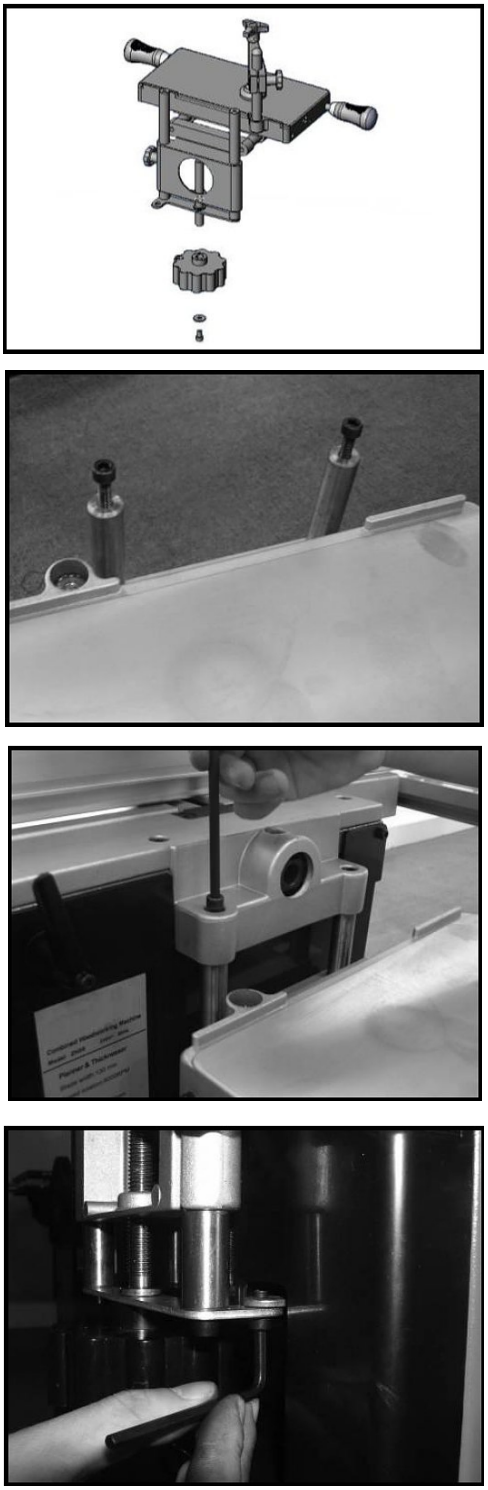

Fig. 11: Screw the milling table to the machine table

Step 4: Screw the clamping screw onto the slotted milling table and screw the milling table to the machine table using the hexagon socket screws.

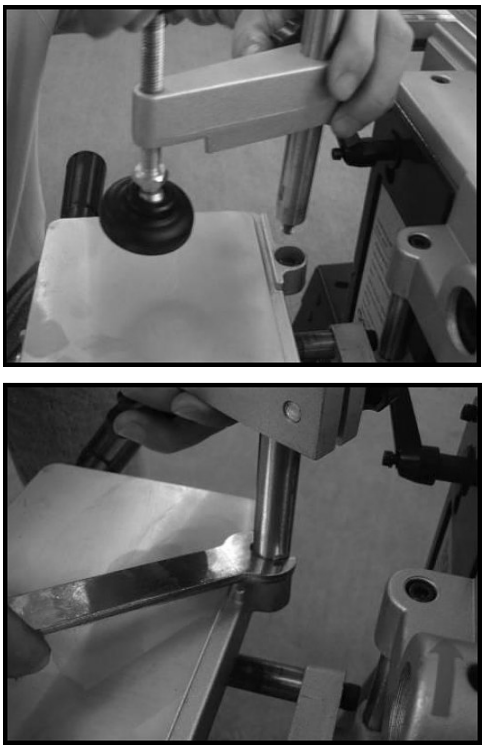

Fig. 12: Mounting the workpiece clamping device

Step 5: Screw the workpiece clamping device to the slotted milling table.

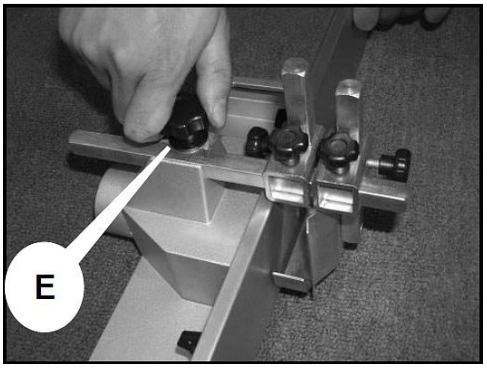

Fig. 13: Screw the milling guide to the stop

Step 6: Screw the table milling guard onto the milling stroke using clamping screw E (Fig. 11) and an 8 mm washer.

7.2 Assembling the chassis (optional)

CAUTION!

Risk of injury due to the machine not being sufficiently secured to the chassis!
Check the stability of the machine after securing it to the chassis.
The machine must be secured to the undercarriage by 2 persons.

To ensure that the machine is securely fastened to the chassis, there are 4 holes on the underside of the machine for mounting screws.

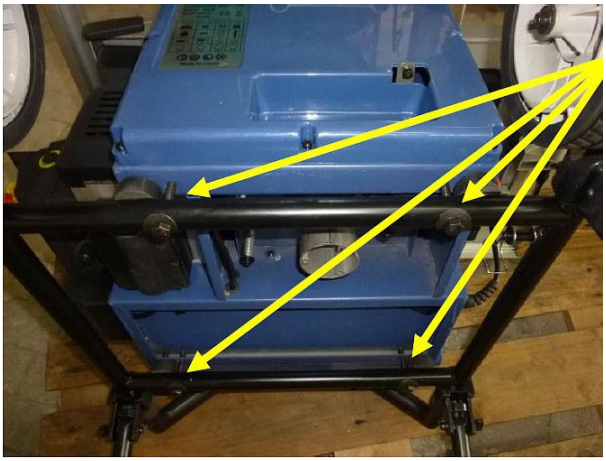

Fig. 14: Mounting the chassis

Step 1: Screw the chassis to the underside of the machine using the 4 screws and washers provided.

Step 2: Fold out the frame for stationary operation. To do this, loosen the clamping screws and retighten them after folding out the frame.

Transporting the machine

Step 1: Fold in the base frame to transport the machine on the castors. Tighten the clamping screws.

Step 2: Press the yellow button, pull out the handlebar and lock it into place.

Step 3: Tip the machine onto the castors using the handle.

Fig. 15: Assembling the chassis

7.3 Electrical connection

DANGER!

Danger of death from electric shock!

Contact with live components poses a risk of fatal injury. Switched-on electrical components can perform uncontrolled movements and cause serious injury.

When connecting the power supply, ensure that the specifications (voltage, mains frequency) match those of the motor.

Step 1: Check that the universal multi-purpose machine is switched off.

Step 2: Connect the machine to the mains power supply.

8 Operation of the universal multi-purpose combination machine

DANGER!

Danger of death from electric shock!

Contact with live components poses a risk of death. Electrical components that are switched on can perform uncontrolled movements and cause serious injury.

Before making any adjustments to the machine, disconnect the mains plug.

WARNING!

Danger to life!

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

- The universal multi-purpose combination machine may only be operated by a trained and experienced person.
- The operator must not work under the influence of alcohol, drugs or medication.
- The operator must not work if they are overtired or suffer from conditions that impair their concentration.
- The universal multi-combination machine may only be operated by one person. Other persons must keep away from the work area during operation.

8.1 Sawing function

CAUTION!

Never operate the function selector switch while the machine is in operation!

Before selecting a function, the function selector switch must be set to 0!

If the extraction device is not mounted on the underside, the machine will not start.

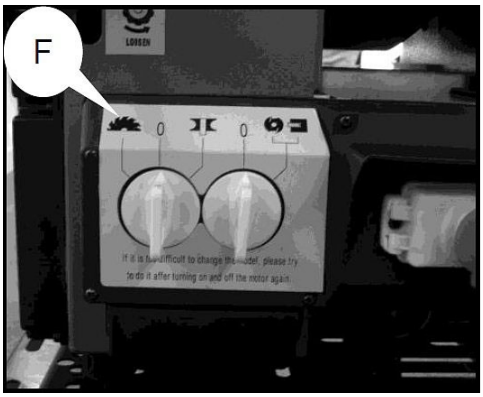

Fig. 16: Setting the sawing function

Step 1: Set the function selector switch to the saw symbol F.

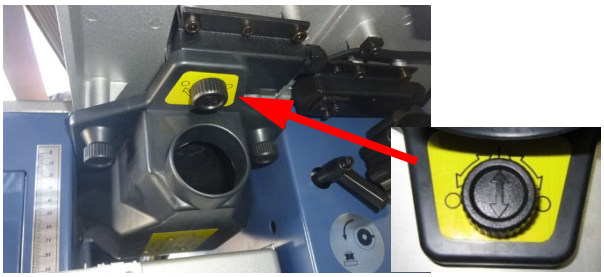

Fig. 17: Mounting the extraction device

Step 2: Mount the extraction device on the underside of the table and then switch on the microswitch.

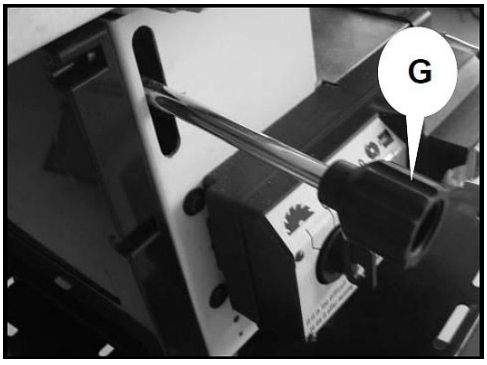

Fig. 18: Adjusting the position lever

Step 3: To release the position of the saw blade, turn the position lever G on the rotary knob anticlockwise. Adjust the position lever by raising or lowering it so that the height of the saw blade is sufficient for the cut. Then lock the position lever by turning it clockwise.

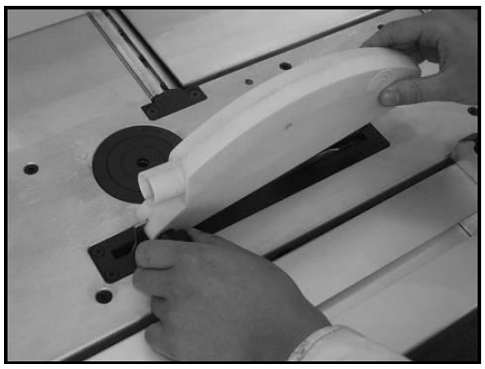

Fig. 19: Mounting the saw blade guard

Step 4: Fit the saw blade guard over the saw blade.

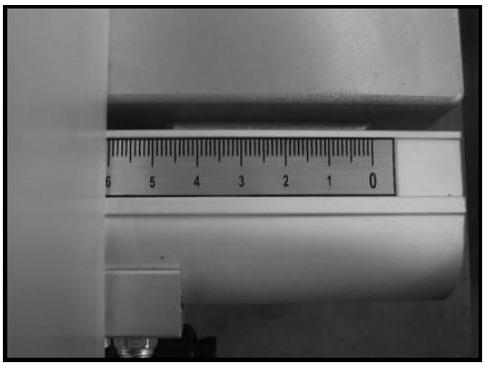

Fig. 20: Positioning the stop

Step 5: Using the scale, slide the stop onto the carriage to the position suitable for the cut and lock it in place with the locking levers.

Fig. 21: Mounting the extraction hose

Step 6: Attach the extraction hose to the saw blade guard.

Fig. 22: Mounting the extraction hose on the extraction pipe

Step 7: Attach the extraction hose to the extraction pipe using the adapter.

Fig. 23: Performing the cut

Step 8: Switch on the motor and make the cut.

Fig. 24: Angle cut using the mitre fence

Step 8: Make angle cuts using the mitre fence.

CAUTION!

Damaged saw blades must be replaced immediately!

8.2 Milling function

ATTENTION!

If the extraction device is not installed (Fig. 28), the machine will not start.

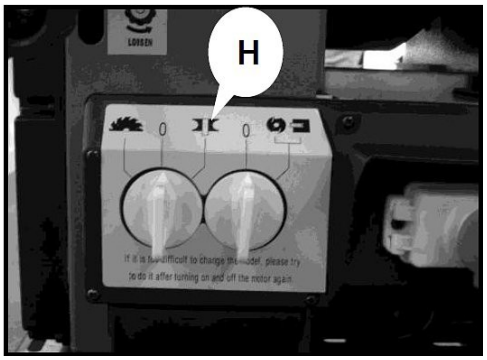

Fig. 25: Setting the milling function

Step 1: Set the function selector switch to the milling symbol H.

Fig. 26: Inserting the appropriate adapter

Step 2: Insert the appropriate adapter with the appropriate tool into the spindle. Turn the spindle by hand to check that it rotates freely.

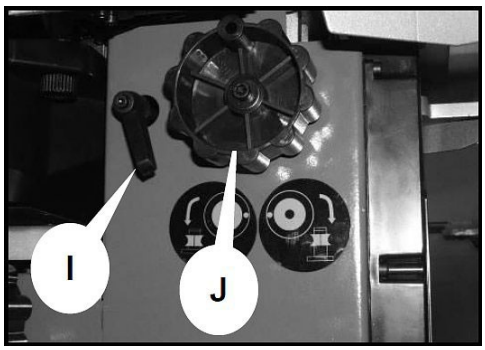

Fig. 27: Setting the milling spindle position

Step 3: Release the locking lever I and adjust the height position of the milling spindle with the handwheel J.

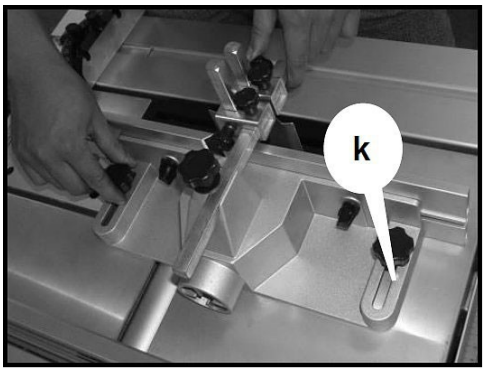

Fig. 28: Attaching the milling stop and extraction device

Step 4: Secure the milling stop and extraction device to the workbench using the locking screws K.

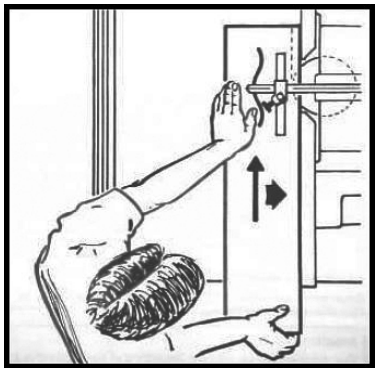

Fig. 29: Milling process

Step 4: Switch on the motor and mill the workpiece against the direction of rotation of the tool. Use the workpiece pusher for short workpieces!

8.3 Planing function

CAUTION!

If the extraction device is not installed, the machine will not start.

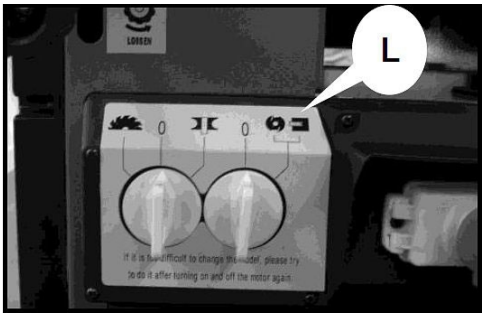

Fig. 30: Setting the planing function

Step 1: Set the function selector switch to the planing symbol L.

Planing on the table top:

ATTENTION!

Use the workpiece pusher to plane short workpieces!

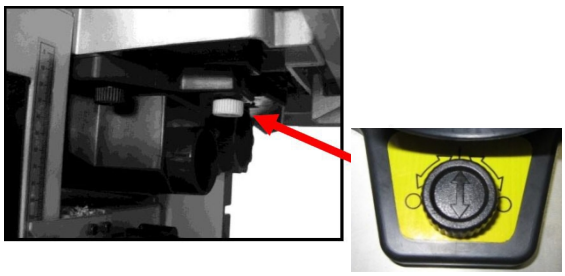

Fig. 31: Switch on the microswitch

Step 2: Mount the extraction device on the underside of the table and then switch on the microswitch.

Fig. 32: Adjusting the table height

Step 3: Use the adjustment lever to set the table height to the desired position for material removal.

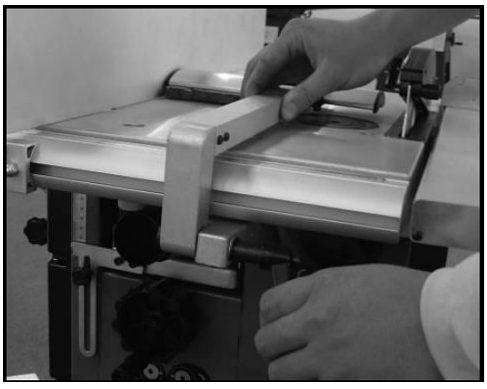

Fig. 33: Adjusting the stop

Step 4: Set the stop to the desired position and secure it with the clamping screw.

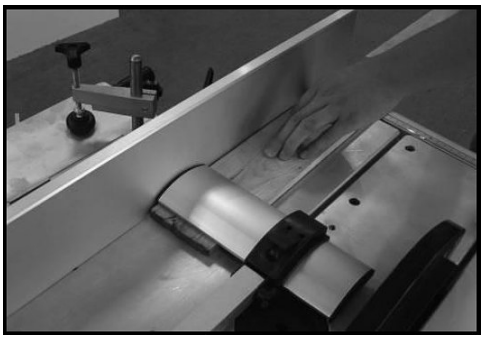

Fig. 34: Guide the workpiece to the stop

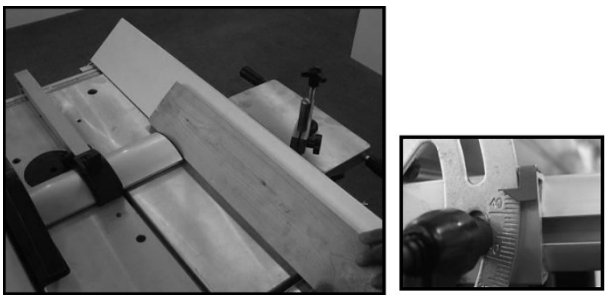

Fig. 35: Adjusting the stop angle

Step 5: Adjust the stop angle using the scale, then secure the stop angle with the clamping screws.

Step 6: Switch on the motor and carry out the operation.

Planing with the workpiece passage on the underside of the table:

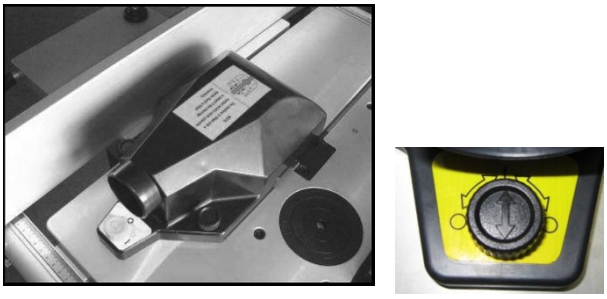

Fig. 36: Mounting the extraction device

Step 1: Mount the extraction device on the top of the table and switch on the microswitch.

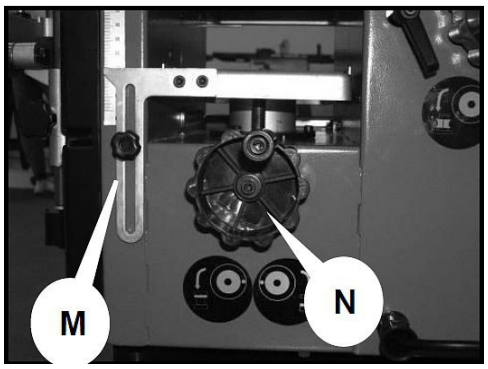

Fig. 37: Adjusting the table height

Step 2: Adjust the table height using the handwheel N and lock it in place by tightening the locking screw M.

Fig. 38: Planing the workpiece

Step 3: Switch on the motor and carry out the operation.

8.4 Slot- e milling function

ATTENTION!

The workpiece must be clamped securely with the workpiece clamping device for machining!

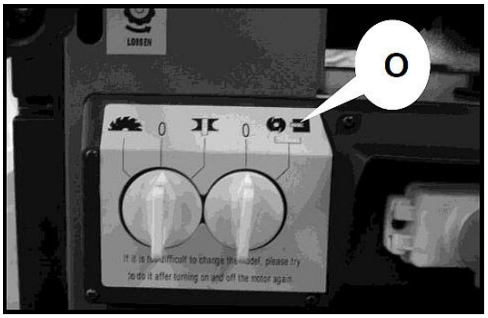

Fig. 39: Setting the planing function

Step 1: Set the function selector switch to the milling symbol O.

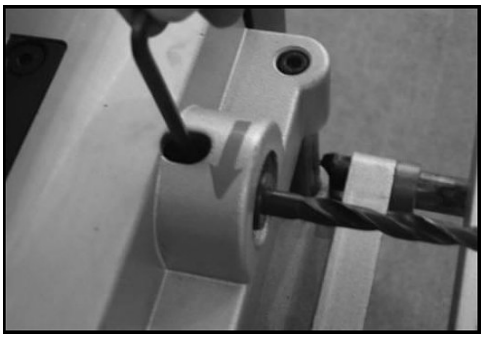

Fig. 40: Inserting the appropriate adapter and tool

Step 2: Insert the appropriate adapter with the appropriate tool into the slotted hole milling spindle and tighten the clamping screw with the Allen key.

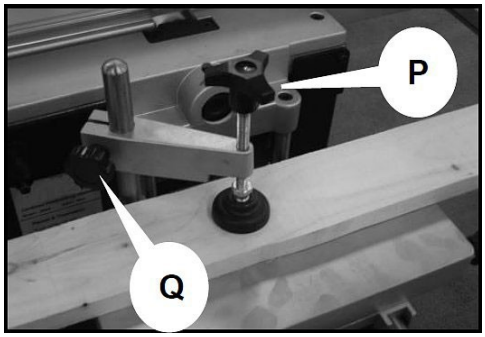

Fig. 41: Securing the workpiece with the clamping device

Step 3: Secure the workpiece to the work table using the clamping device by tightening clamping screws P and Q.

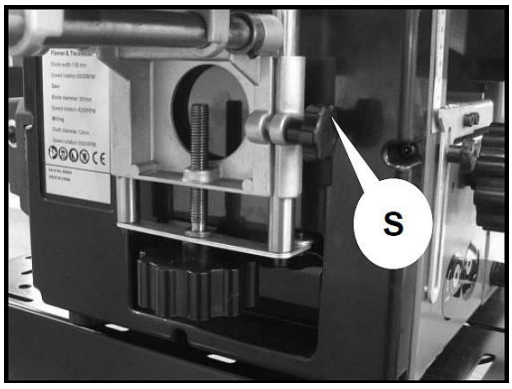

Fig. 42: Adjusting the table height

Step 4: Adjust the table height using the hand wheel R and lock it in place by tightening the locking screw S.

Step 5: Switch on the motor and carry out the milling process.

9 Care, maintenance and repair

DANGER!

Danger of death from electric shock!

Contact with live components poses a risk of fatal electric shock. Electrical components that are switched on can perform uncontrolled movements and cause serious injury.

Before starting cleaning and maintenance work, switch off the machine and disconnect the mains plug.

9.1 Care according to End of work

Wear protective gloves!

NOTE!

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

Step 1: Unplug the power cord from the safety socket.

Step 2: Empty and clean the suction device.

Step 3: Clean the machine of sawdust and sawing dust.

Step 4: Check the machine for damage to the safety devices and the saw blade. If necessary, carry out repairs or arrange for them to be carried out in accordance with the safety instructions.

9.2 and repair

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

If the universal multi-combination machine does not function properly, contact a specialist dealer or our customer service department. The contact details can be found in section 1.2 Customer service.

All protective and safety devices must be reinstalled immediately after repair and maintenance work has been completed.

9.2.1 Replacing the planer blades

Wear protective gloves!

Step 1: Disconnect the mains plug from the socket.

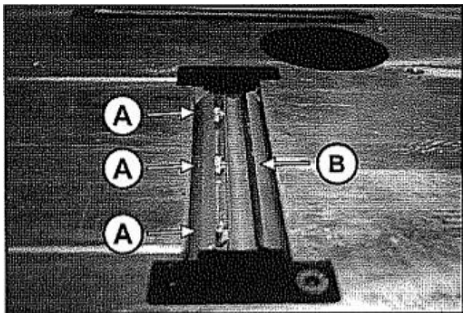

Fig. 43: Loosen the clamping screws of the planer blade

Step 2: Loosen the clamping screws A of the planer blade and remove the blade.

Step 3: Insert the new blade and secure it with the clamping screws.

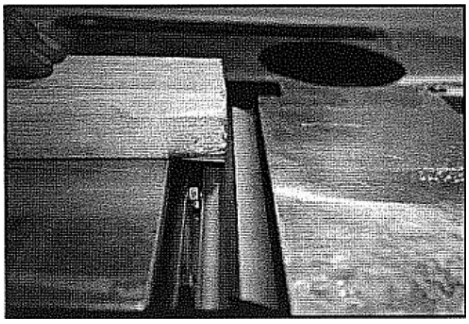

Fig. 44: Adjusting the planer blade

Step 4: Adjust the planer blade using a flat bar. The blade must touch the table surface at position 0.
The maximum permissible protrusion of the blade above the guide is 1.1 mm.

Step 5: Secure the adjusted blade with the clamping screws.

CAUTION!

Before starting the milling machine, check that the clamping screws are tightened securely.

9.2.2 Saw blade replacement

Wear protective gloves!

Step 1: Disconnect the mains plug from the socket.

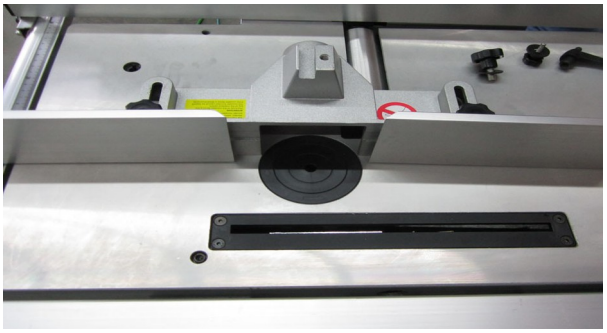

Fig. 45: Unscrew the saw blade guard

Step 2: Unscrew the screws of the saw blade guard frame on the table and remove the guard frame.

Fig. 46: Locking the saw blade

Step 4: Lower the height adjustment lever for the saw blade and turn it clockwise to lock the saw blade.

Step 5: Remove the side cover

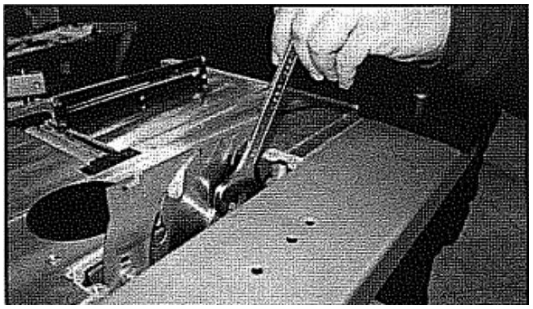

Fig. 47: Unscrewing the saw blade

Step 5: Use the open-end spanner to unscrew the saw blade mounting screw clockwise (left-hand thread) and remove it together with the clamping flange.

Step 6: Carefully lift out the saw blade.

Step 7: Insert the new saw blade.
Note: Ensure that the saw blade is installed in the correct direction.

Step 8: Reassemble in reverse order.

Step 9: Switch on the machine briefly, observing the safety regulations, and check that the saw blade is correctly aligned.

Step 10: If the saw blade runs unevenly, switch off the machine immediately, disconnect the power plug and correct the saw blade attachment. If the machine still does not run smoothly, replace the saw blade.

9.2.3 Adjusting the cutting blade

Step 1: Disconnect the mains plug from the socket.

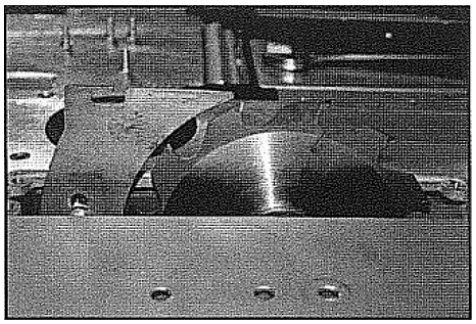

Fig. 48: Loosen the fastening screws

Step 2: Use the open-end spanner to loosen the fastening screws for the cutting blade.

Fig. 49: Adjusting the distance between the cutting blade and the saw blade

Step 3: Adjust the distance between the cutting blade and the saw blade to approx. 3 to 8 mm and retighten the fastening screws.

10 Troubleshooting

Fault	Possible causes	Remedy
Motor does not start	No mains voltage Connection cable defective	Have the power connection checked by a qualified technician.
Motor runs, saw blade does not rotate	V-belt broken	Replace the V-belt
Engine overheating	1. Engine short circuit 2. Motor overload	1. Disconnect the power plug and have the machine repaired by qualified personnel. 2. Check whether the saw blade is suitable for the material to be cut. Check whether the saw blade is still sufficiently sharp. Take a break from work and allow the motor to cool down.
Saw blade speed too low	1. Motor defective 2. Mains voltage too low	1. Have the motor checked by a specialist. 2. Have the mains voltage checked by a qualified technician
Saw blade rotates unevenly under load	V-belt not sufficiently tensioned	Check the V-belt tension.
Saw blade does not start or stops under load	V-belt not sufficiently tensioned	Check the V-belt tension.
Saw vibrates, saw blade beats	1. Saw blade does not meet specifications 2. Saw blade not sufficiently secured 3. Saw blade defective	1. Check the specifications in the technical data to ensure that the saw blade is suitable for installation. 2. Tighten the fastening screw. 3. Check the saw blade for mechanical damage and replace it if necessary.
Planing produces longitudinal cut marks	The planer blades are worn	Sharpen or replace the planer blades
The workpiece jumps at the start of planing	The planing table is not secure.	Secure the planing table properly.
Notches at the start and end of the milled workpiece	Guides are not parallel	Adjust guides to be parallel
The braking time of the saw and planer is longer than 10 seconds.	Loose belt	Tighten the belt or replace it if worn
The braking time of the milling machine is longer than 10 seconds.	Loose belt	Tighten the belt or replace it if worn.

11 Disposal and recycling of old equipment

In your own interest and in the interest of the environment, please ensure that all components of the machine are disposed of only in the designated and approved manner.

11.1 Decommissioning

Disused appliances must be taken out of service immediately and properly to prevent misuse and danger to the environment or persons.

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

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

Step 3: Dispose of the machine components and operating materials using the designated disposal channels.

11.2 Disposal of electrical and electronic equipment

Please note that electrical equipment contains a variety of recyclable materials as well as environmentally harmful components.

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

If necessary, seek the assistance of a specialist disposal company for processing.

11.3 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.

12 Spare parts

DANGER!

Risk of injury due to use of incorrect spare parts!

Using incorrect or faulty spare parts can pose a risk to the operator and cause damage and malfunctions.
Only original spare parts from the manufacturer or spare parts approved by the manufacturer may be used.
If in doubt, always contact the manufacturer.

Tips and recommendations

The manufacturer's warranty is void if non-approved spare parts are used.

12.1 Ordering spare parts

Spare parts can be obtained from an authorised dealer or directly from the manufacturer.

Please provide the following key data when making enquiries or ordering spare parts:

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

Spare part orders without the above information cannot be processed. If no shipping method is specified, the supplier will choose the shipping method at their discretion.

Information on the device type, item number and year of manufacture can be found on the type plate attached to the device.

Example

The saw blade drive belt for the universal multi-combination machine must be ordered. The drive belt has position number 62 in spare parts drawing 2.

- Device type: **UMK 6**
- Item number: **5905600**
- Spare parts drawing: **2**
- Item number: **62**

12.2 Spare parts drawings UMK 6

The following drawings are intended to help identify the necessary spare parts in the event of servicing. To order, send a copy of the parts drawing with the marked components to your authorised dealer.

12.2.1 e 1 spare parts drawing

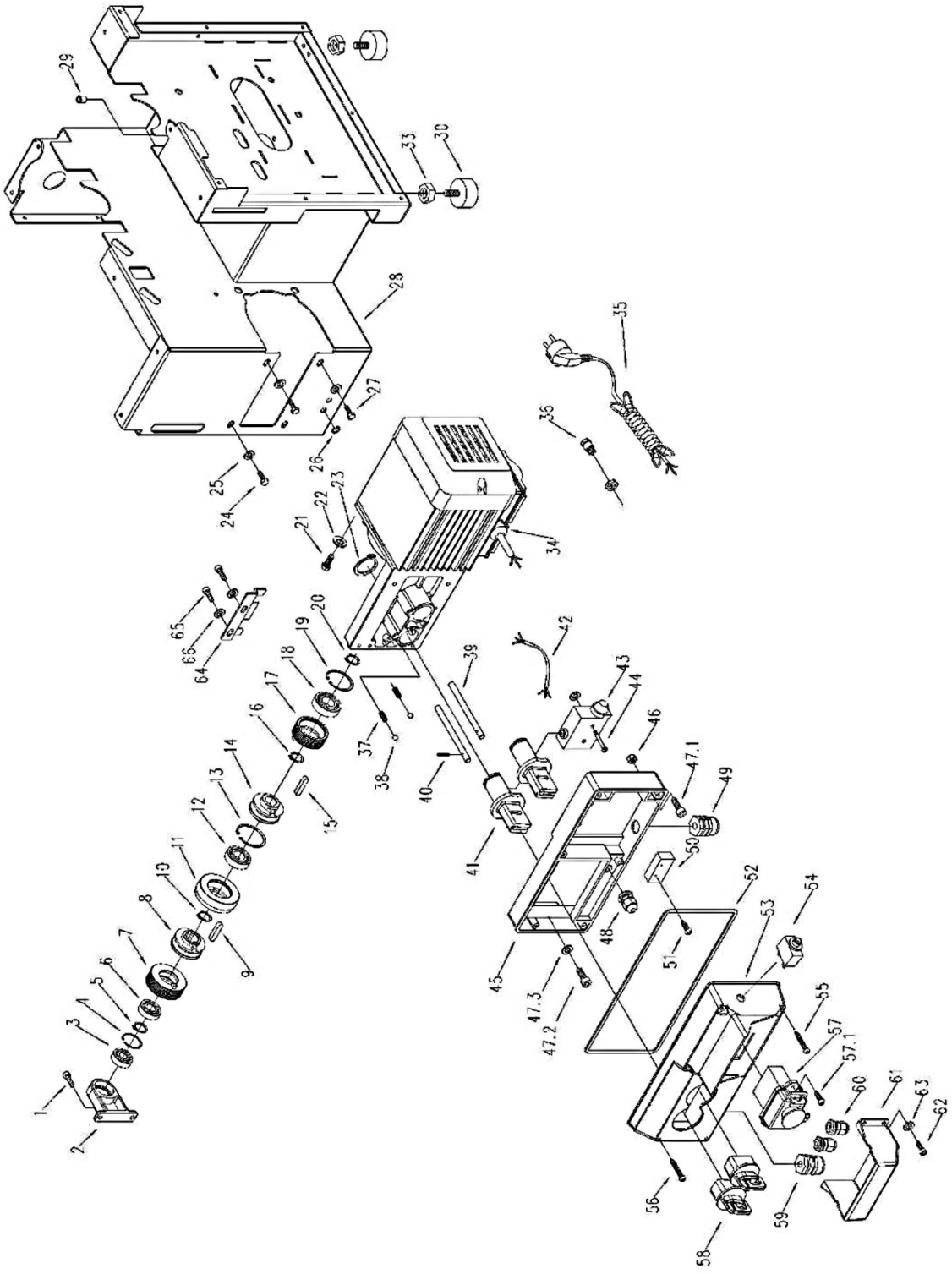

Fig. 50: Spare parts drawing 1 Universal multi-purpose combination machine UMK 6

12.2.2 e 2 spare parts drawing

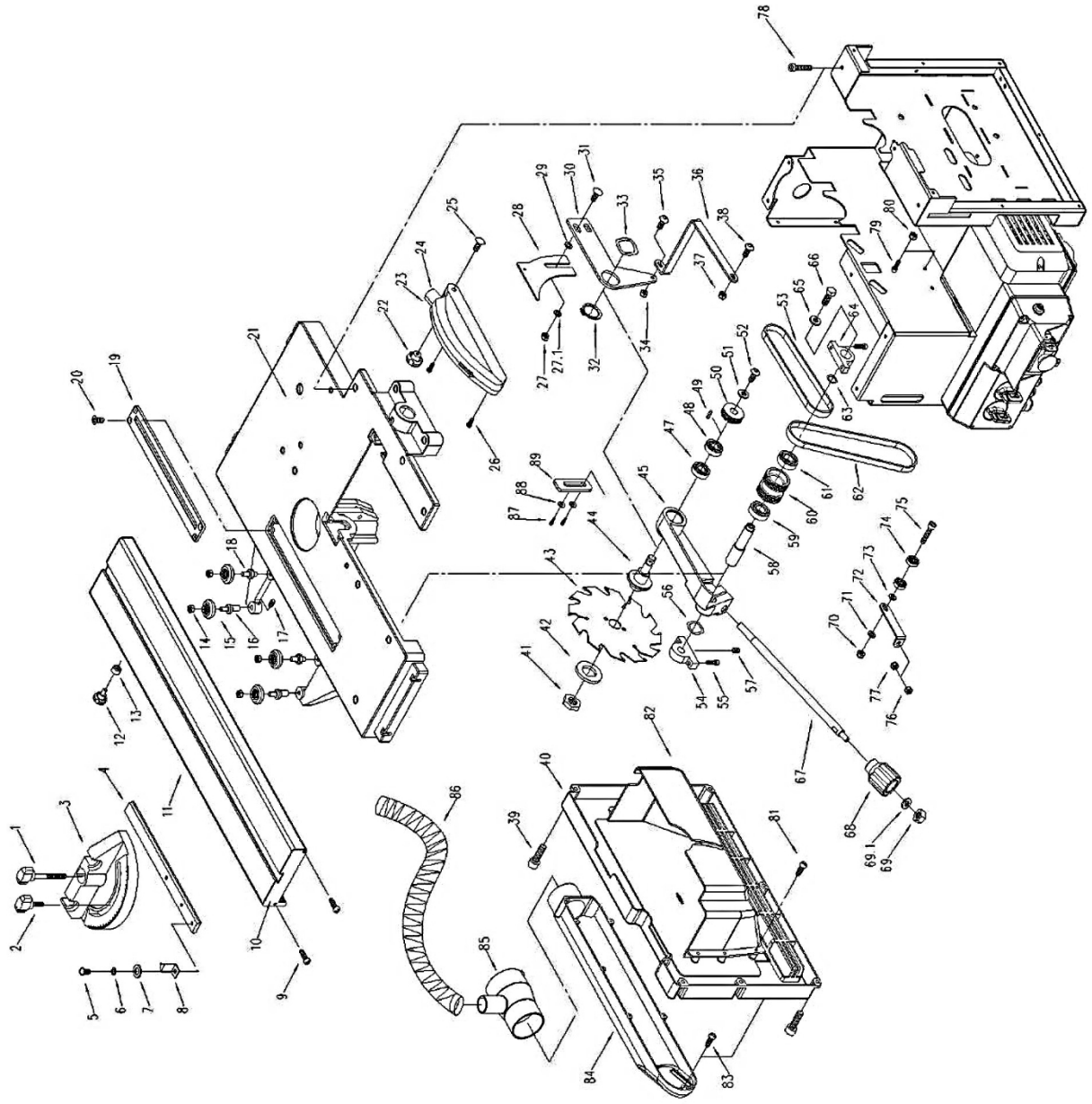

Fig. 51: Spare parts drawing 2 Universal multiple combination machine UMK 6

12.2.3 e 3 spare parts drawing

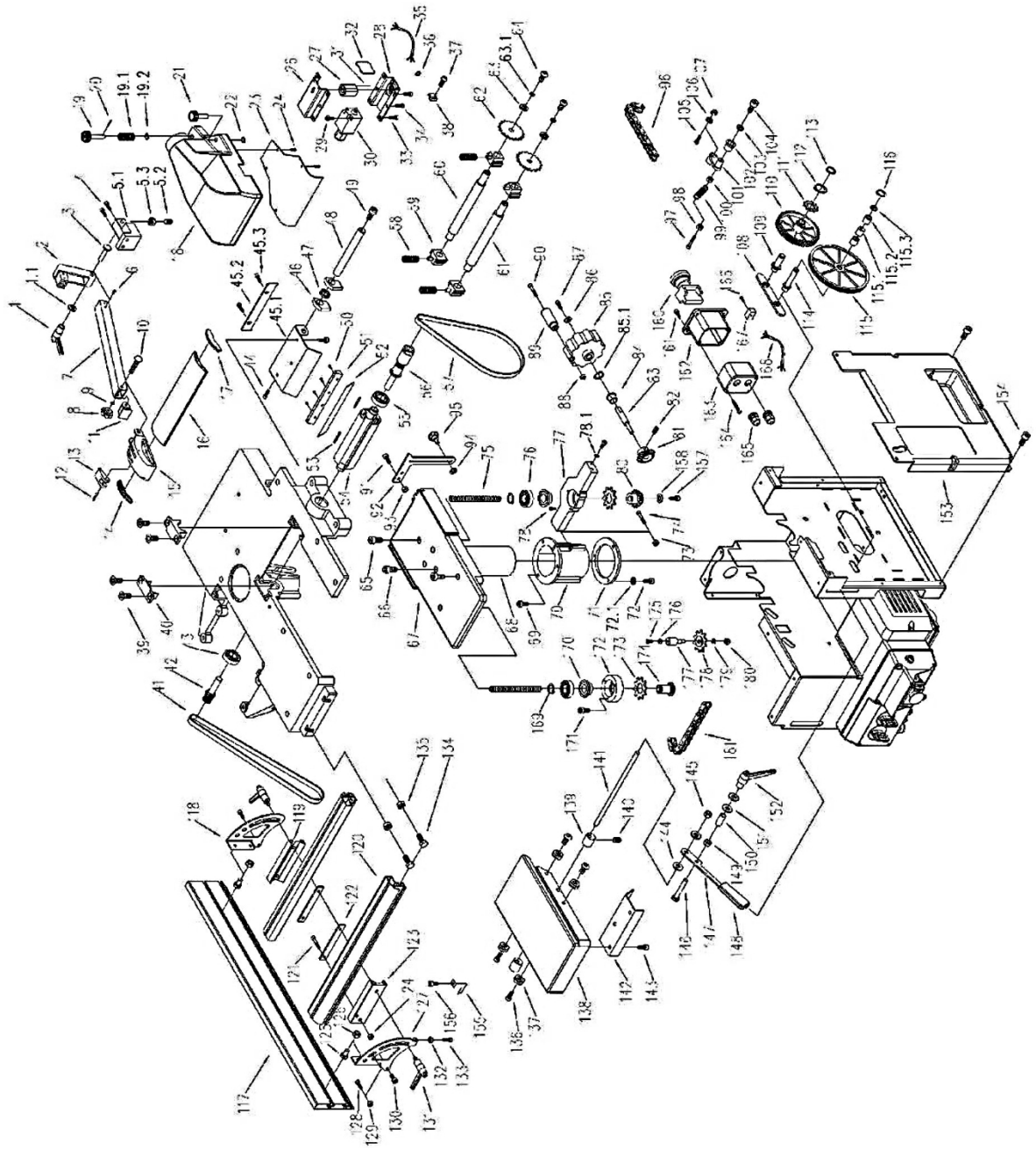

Fig. 52: Spare parts drawing 3 Universal multiple combination machine UMK 6

12.2.4 4 spare parts drawing

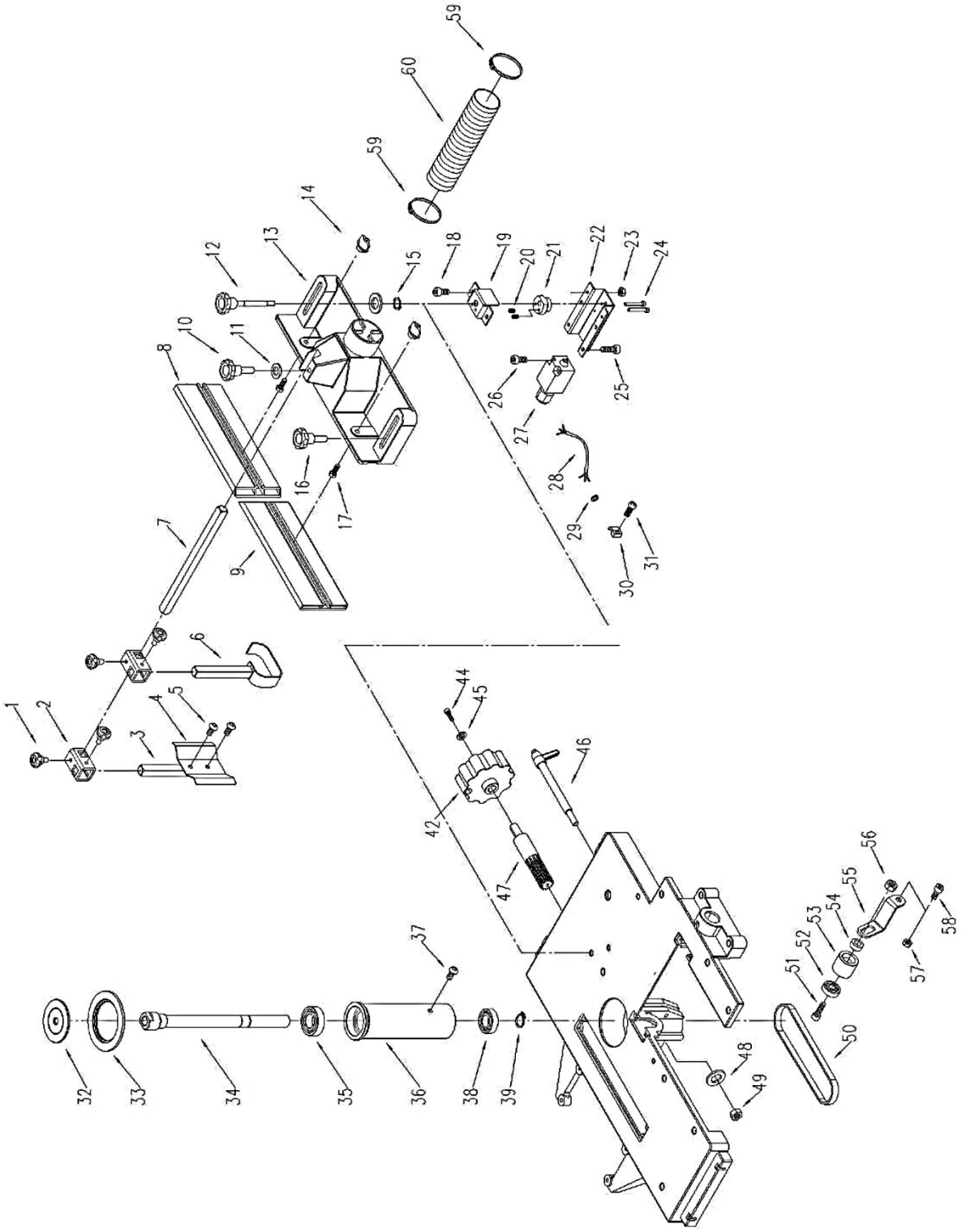

Fig. 53: Spare parts drawing 4 Universal multiple combination machine UMK 6

12.2.5 5 spare parts drawing

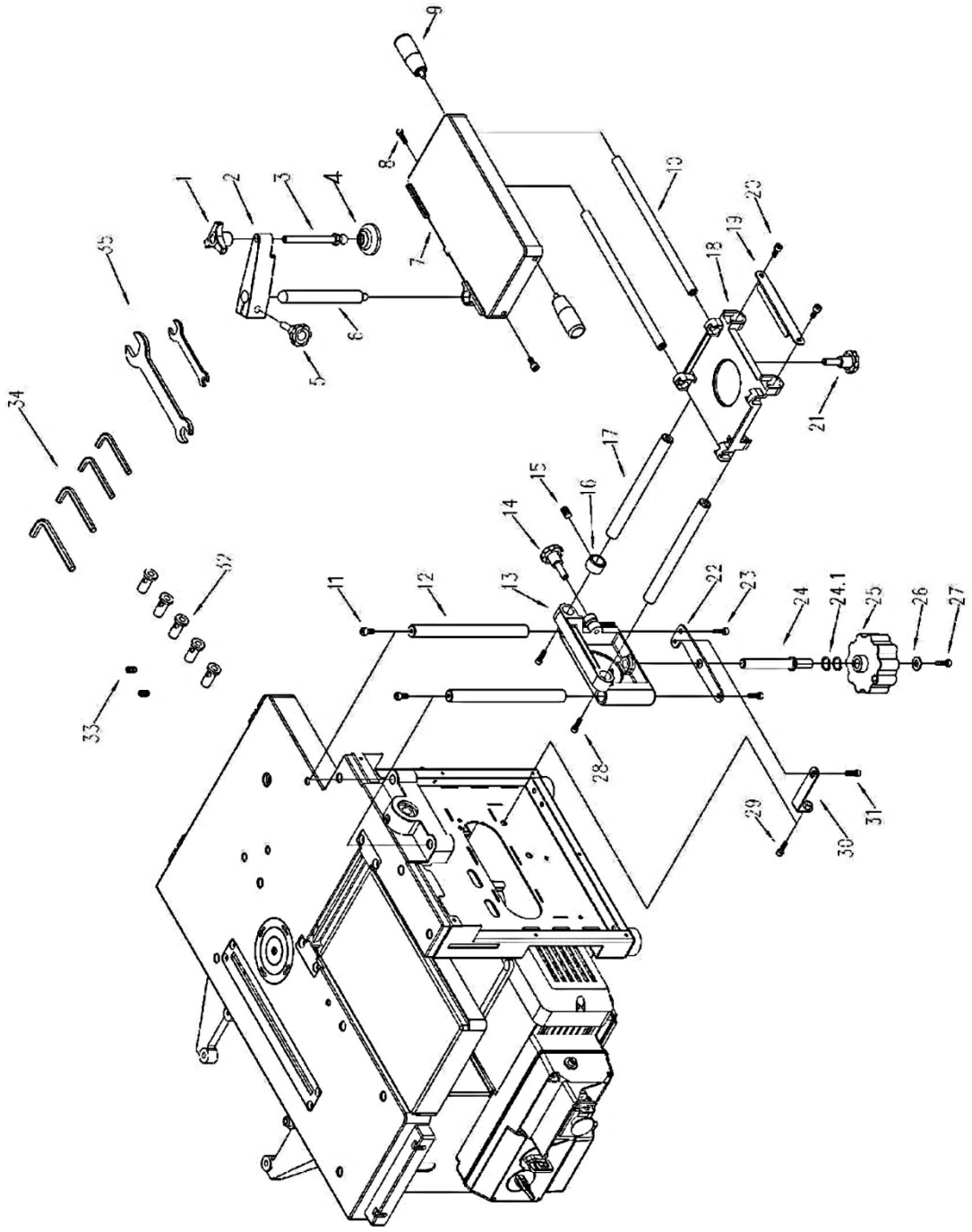

Fig. 54: Spare parts drawing 5 Universal multiple combination machine UMK 6

12.2.6 Frame Spare parts drawing

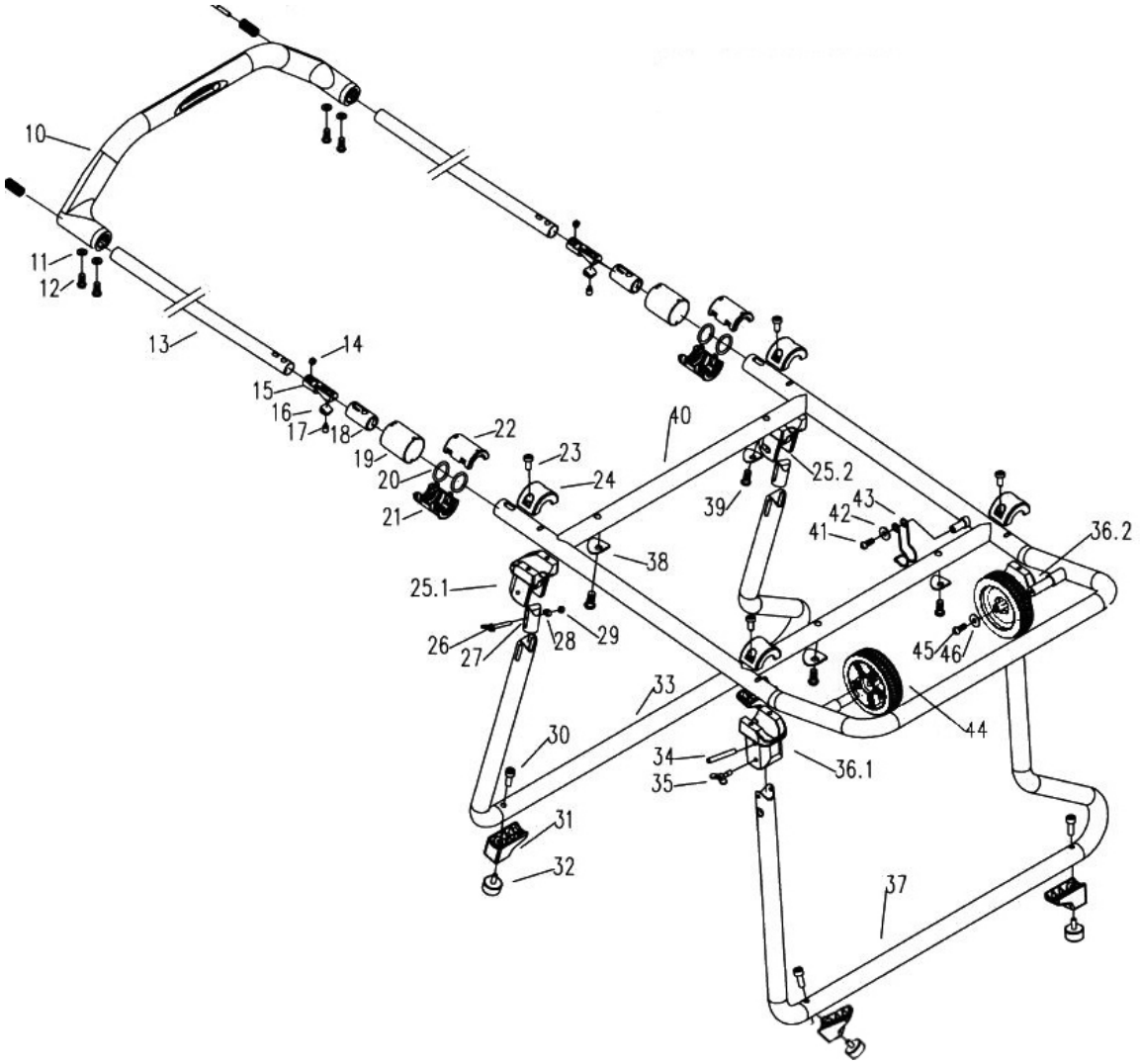

Fig. 55: Frame spare parts drawing

13 Electrical circuit diagram

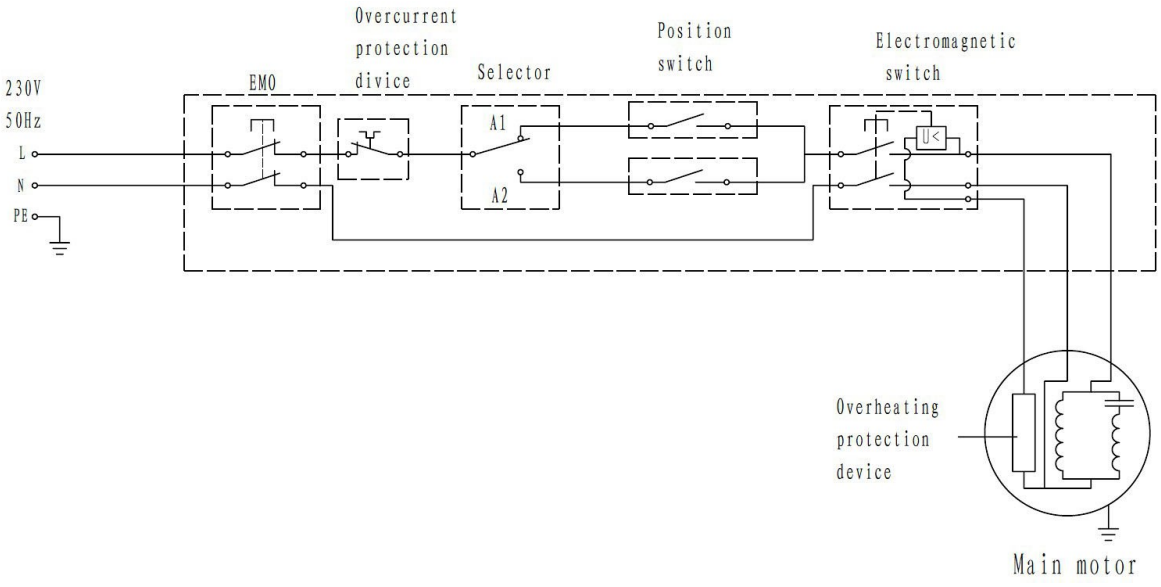

Fig. 56: Electrical circuit diagram

14 EU Declaration of Conformity for the

According to Low Voltage Directive 2014/35 EU

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:	Universal multi-purpose combination machine
Machine designation:	UMK 6
Item number:	5905600
Serial number:	_____
Year of manufacture:	20____

complies with all relevant provisions of the above-mentioned directive and other applicable directives (below) – including any amendments applicable at the time of the declaration.

Relevant EU directives:	2014/30/EU	EMC Directive
	2011/65/EU	RoHS Directive

The following harmonised standards have been applied:

EN 60204-1:2018 + A1:2025	Safety of machinery – Electrical equipment of machines – Part 1: General requirements
EN ISO 19085-1:2021	Safety of woodworking machines – Part 1: General requirements
EN ISO 19085-11:2020	Woodworking machines – Safety – Part 11: Combination machines
EN IEC 55014-1:2022	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emissions
EN IEC 55014-2:2021	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar appliances – Part 2: Immunity
EN IEC 61000-3-2:2019	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic currents (equipment with an input current ≤ 16 A per conductor)
EN 61000-3-3:2013 + A1:2019	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply networks for equipment with a rated current ≤ 16 A per conductor that is not subject to special connection conditions

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

Hallstadt, 9 July 2025

Kilian Stürmer Managing Director

CE


stürmer
OPTIMUM