

# Operating Instructions

—— Hydraulic workshop press

—— WPP 15 TE



WPP 15 TE

WPP 15 TE

## Imprint

### Product identification

Hydraulic workshop press      Item number  
WPP 15 TE                              6300015

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### Information about the operating instructions

Genuine operating instructions

Edition:        27.10.2020  
Version:        1.06  
Language:      English

Author:         FL/MS

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Subject to technical modifications and changes.

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## 1 Introduction

You have made an excellent choice in purchasing an UNICRAFT workshop press.

**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 workshop press.

The operating instructions form part of the workshop press. Keep these operating instructions at the installation location of your workshop press. Please also note the locally applicable accident prevention regulations and general safety regulations for the use of workshop presses.

### 1.1 Copyright

The contents of these operating instructions are protected by copyright. Their application is permitted within the context of the use of the workshop press. Any further use shall not be permitted without written consent by Stürmer GmbH.

We shall register trademark, patent and design rights for the protection of our products, provided this is possible in individual cases. We strongly oppose any infringement of our intellectual property rights:

### 1.2 Customer service

Please contact your specialist retailer if you have any questions regarding your workshop press 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  
Germany

#### Repair service:

Fax: 0049 (0) 951 96555-111  
Email: [service@stuermer-maschinen.de](mailto:service@stuermer-maschinen.de)  
Internet: [www.unicraft.de](http://www.unicraft.de)

#### Spare parts orders:

Fax: 0049 (0) 951 - 96555-119  
Email: [ersatzteile@stuermer-maschinen.de](mailto:ersatzteile@stuermer-maschinen.de)

Please submit any information and experiences you make during application of the machine as these may be valuable for product improvements.

## 1.3 Disclaimer

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.



### CAUTION!

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 Operator responsibility

Operators are defined as the persons who operate the machine for commercial or profit-based purposes or provide the machine to third parties for use or application and bear the legal product responsibility in terms of the protection of users, staff or third parties during operation.

### Obligations of the operator:

If the machine is used for commercial purposes, operators are subject to the legal stipulations in terms of occupational safety. For this reason, the safety instructions in these operating instructions as well as the safety, accident prevention and environmental protection regulations valid at the installation location must be complied with. In this process, the following shall apply in particular:

- Operators shall obtain information about valid occupational safety regulations and determine additional hazards as part of a risk assessment which result from the specific operating conditions at the machine's installation location. Said risk assessment shall be reflected in operating instructions for machine operation.
- During the entire machine operating time operators must check whether the operating instructions they created meet current standards and adapt the operating instructions where necessary.
- Operators shall clearly manage and specify the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- Operators must make sure that all persons handling the machine have read and understood these operating instructions. Operators must also regularly train staff and notify of the hazards.
- Operators shall provide staff with the required protective equipment and wearing the required protective equipment shall be mandatory.

Operators shall also be responsible for maintaining the machine in a technically perfect condition. For this reason, the following shall apply:

- Operators shall make sure that the maintenance intervals described in these operating instructions are complied with.
- Operators shall regularly check that the safety equipment is fully functional and complete.

## 2.3 Operating staff qualification

The different tasks described in these operating instructions require different levels of skills in terms of the qualifications of operating staff working with the machine.



### WARNING!

#### Risk from inadequately qualified persons!

Inadequately qualified persons are unable to assess the risks when handling the workshop press, thus putting themselves and others at risk of severe or fatal injuries.

- All work must be carried out by qualified persons only.
- Keep inadequately qualified persons away from the work area.

Exclusively persons of whom it can be expected that they reliably complete assigned tasks shall be authorised to carry out any tasks. Persons whose reactions have been impaired shall not be authorized, e.g. drug users, users under the influence of alcohol or medication.

These operating instructions specify the following personal qualifications for the different tasks:

#### Operating staff:

Operating staff has undergone an induction by the operator about the entrusted tasks and potential hazards resulting from improper behaviour. Operating staff shall exclusively be permitted to carry out any tasks beyond operation in normal mode if this has been specified in the operating instructions and operators have explicitly entrusted operating staff with the task.

#### Specialist staff:

As a result of specialist training, expertise, experience and skills in terms of the relevant standards and regulations, specialist staff is able to complete the tasks they are entrusted with and independently identify hazards and avert risks.

#### Manufacturer:

Certain work must be carried out by manufacturer specialist staff only. Other staff is not permitted to carry out this work. Contact our customer service to have the work carried out.

## 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:



### Protective goggles

Protective goggles are intended to protect the eyes from flying parts.



### Protective gloves

Protective gloves are intended to protect the hands from components with sharp objects as well as friction, abrasion, and deep-cut injuries.



### Safety shoes

Safety shoes protect feet from pinching, falling parts and slipping on slippery surfaces.



### Protective clothing

Protective clothing is tight-fitting work clothing without protruding parts, usually with a low tear resistance.

## 2.5 Safety identifications on the workshop press

The following safety identifications have been attached to the workshop press (Fig. 1) which must be observed.



Fig. 1: Safety identifications: 1 Pinching hazard for the upper limbs | 2 Safety information: read operating instructions, wear eye protection, wear protective clothing and safety shoes

Safety identifications attached to the machine must not be removed. Damaged or missing safety identifications may cause errors, personal injury and material damage. They must be replaced immediately.

If the safety identifications are not visible and comprehensible at first glance, the machine must be stopped until new safety identifications have been attached.

### 3 Intended use

The WPP 15 TE hydraulic workshop press is exclusively intended for use in crafts and for repairs. It is suitable for pressing in/out bearings, bushes, embossing, deformation and stamping. The capacity stated in the technical data must not be exceeded. Do not apply excessive force to workpieces. Check pressure loads on the pressure gauge.

The hydraulic workshop press must be operated by persons who have been instructed on the use of the machine only.

The intended use shall also include adherence to all information in these operating instructions. Any other use or use beyond the intended use shall be deemed misuse.



#### **WARNING!**

#### **Risk of misuse!**

Misuse of the machine may cause hazardous situations.

- Operate the machine within the performance range stated in the technical data only.
- Do not bypass or disarm safety equipment.
- The workshop press must be operated in technically perfect condition only.

Conversions at one's own responsibility or modifications to the workshop press may invalidate the CE conformity of the workshop press and this shall not be permitted. Stürmer Maschinen GmbH shall not assume any liability for design-based or technical modifications to the workshop press.

Unintended use of the workshop press as well as non-observance of the safety instructions or operating instructions shall exclude the manufacturer's liability for any resulting damage or injury and this shall void any warranty claims!

Any claims resulting from damage due to unintended use shall be excluded.

#### 3.1 Foreseeable misuse

If the intended purpose of the workshop press is observed, there is no actually foreseeable misuse that may cause hazardous situations involving personal injury.

#### 3.2 Remaining risks

Even when observing all safety instructions, operation of the workshop press involves the remaining risks described in the following.

All persons working with the workshop press must be aware of the remaining risks and observe the instructions to prevent these remaining risks from causing accidents or damage:

- Risk of pinching upper limbs during operation
- It may be necessary to remove installed protective equipment to configure and equip the machine. This causes various remaining risks and potential hazards each user must be aware of.

### 4 Technical data

#### 4.1 Table

Model	WPP 15 TE
Compression force	15 t
Foot width x depth	700 x 540 mm
Total height	965 mm
Inside width	500 mm
Work area	157 - 457 mm
Piston stroke	160 mm
Piston travel	169 mm
Hydraulic oil capacity	600 ml
Weight	75.5 kg

#### 4.2 Environmental conditions

Model	WPP 15 TE
Operating temperature [°C]	-5 to +40
Storage temperature [°C]	-25 to +55
Transport temperatures [°C]	-25 to +70 (< 24 h)
Altitude range [m]	max. 1000 m
Humidity [%]	max. 85% relative humidity
Working environment	Non-flammable, dry and free from dust

#### 4.3 Operating conditions

Model	WPP 15 TE
Operating light [LUX]	> 300



## 4.4 Type plate


<b>Werkstattpresse</b> Workshop press		CE	
<b>Typ</b> Type	<b>WPP 15 TE</b>	<b>Serien-Nr.</b> Serial no.	
<b>Artikel-Nr.</b> Item no.	<b>6300015</b>	<b>Baujahr</b> Year of manufacture	
<b>Kapazität</b> Capacity	<b>15 t</b>	<b>Gewicht</b> Weight	<b>75,5 kg</b>
 www.unicraft.de		Stürmer Maschinen GmbH Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt Deutschland / Germany	

Fig. 2: Type plate of the WPP 15 TE hydraulic workshop press

## 4.5 Pressure gauge

The pressure gauge used features two scales:

- Outer scale [1] shows US tons [1tn. sh.=907.18 kg]
- Inner scale [2] shows metric tons  
[1 t = 1000 kg], usual throughout Europe

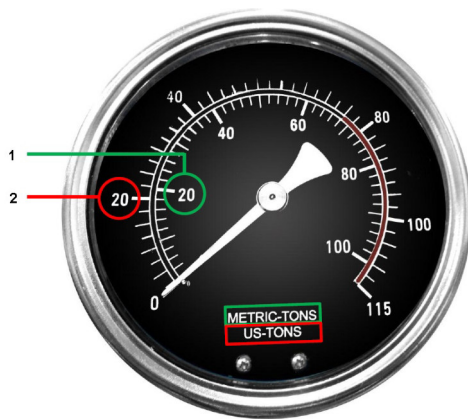


Fig. 3: Pressure gauge

# 5 Transport, packaging, storage

## Delivery

Check the hydraulic workshop press for visible transport damage upon delivery. Immediately notify the haulage company or retailer if you identify damage on the hydraulic workshop press.

## Transport

Secure the upright hydraulic workshop press on a pallet using bolts. Said pallet must be correctly secured in the cargo area. Any loose parts must be securely fastened to the hydraulic workshop press, secured separately or safely stored in a separate container.

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

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



## CAUTION!

Injuries caused by parts falling over or off a forklift, pallet truck or 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 that can carry the total weight and are suitable for it.



## 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



## CAUTION: DANGER OF TIPPING!

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

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

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

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

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

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

Careful planning of internal transport is therefore essential.

**NOTE!**

Protect the machine from humidity.

The hydraulic workshop press must be transported upright only. Do not stack hydraulic workshop presses on top of each other. Do not place any other objects onto workshop presses.

Blank metal parts have been greased to protect them from humidity and dirt.

**Tips and recommendations**

Make sure the corrosion protection is active or replaced (if necessary) in the event of prolonged transport.

**Transport using industrial trucks/pallet trucks:**

The hydraulic workshop press must be positioned on an even, stable surface (e.g. a pallet) and be secured in the event of transport using a suitably dimensioned pallet truck or industrial truck.

**Packaging**

All 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.

**Storage**

As a rule, the hydraulic workshop press must be stored in a clean condition and a dry, clean and frost-free environment. The pistons must be fully retracted.

## 6 Machine description

Figures in these operating instructions may deviate from the original.

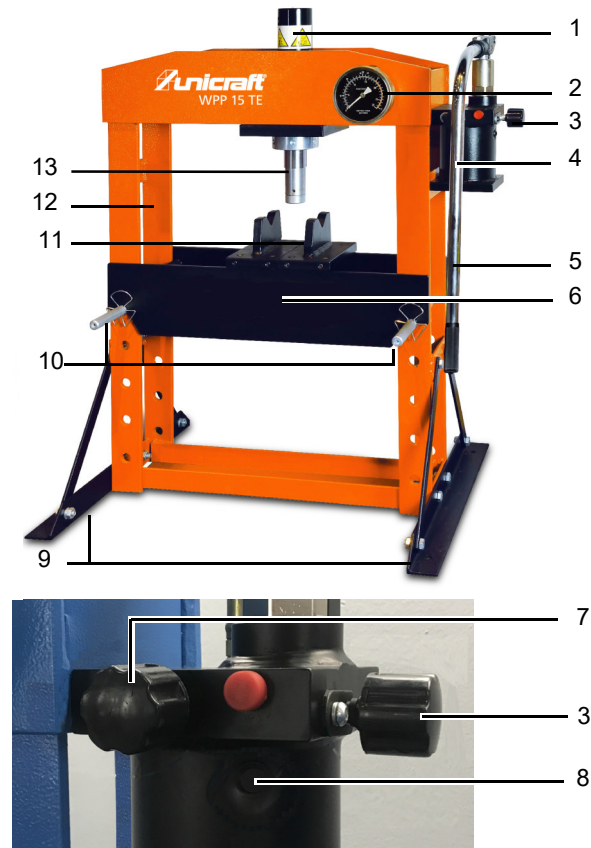


Fig. 4: WPP 15 TE hydraulic workshop press

- 1 Hydraulic cylinder
- 2 Pressure gauge
- 3 Pressure valve
- 4 Manual hydraulic pump
- 5 Pump lever
- 6 Press table
- 7 Release valve
- 8 Stopper of oil filling opening
- 9 Crossbeam feet
- 10 Press table support bolt
- 11 Support prisms
- 12 Frame
- 13 Press tappet

### 6.1 Scope of supply

- Pre-assembled, hydraulic workshop press
- Support prisms
- Pump lever
- Filling and venting plug
- Operating instructions



## 7 Setup

The hydraulic workshop press must be set up and operated in dry, well-ventilated indoor areas only.

It must be positioned securely and set up on an even, stable surface that is free from vibrations.

Make sure there is a sufficient amount of clearance on each side and the work area is adequately lit.

## 8 Installation



**Wear head protection!**



**Wear protective gloves!**



**Wear safety shoes!**



**Wear protective clothing!**



**ATTENTION!**

**Risk of pinching!**

Risk of injury to fingers and hands caused by incorrect installation work on the workshop press.

- Keep in mind the workshop press' weight. Ensure stable supports and support equipment.

The following parts of the hydraulic workshop press are provided in disassembled condition in the cardboard box:

- Crossbeam feet
- Press table
- Pump unit
- Pressure gauge

These parts must be assembled or converted and secured with screws.

### 8.1 Installing crossbeam feet and press table

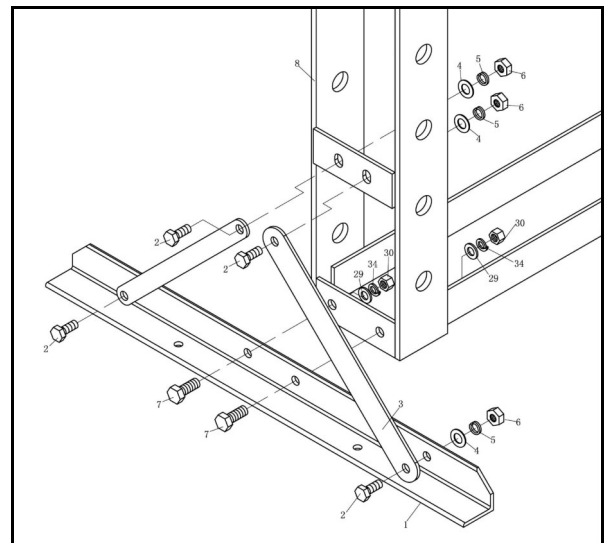


Fig. 5: Installing crossbeam feet

Step 1: secure the crossbeam feet and the two crossbeams to both sides of the frame using the screws, shims, spring washers and nuts (see Fig. 5).

Step 2: insert the support bolts into the frame at the desired height and secure them using the safety splints. The position the press table onto the support bolts in the frame.

### 8.2 Installing the pump unit

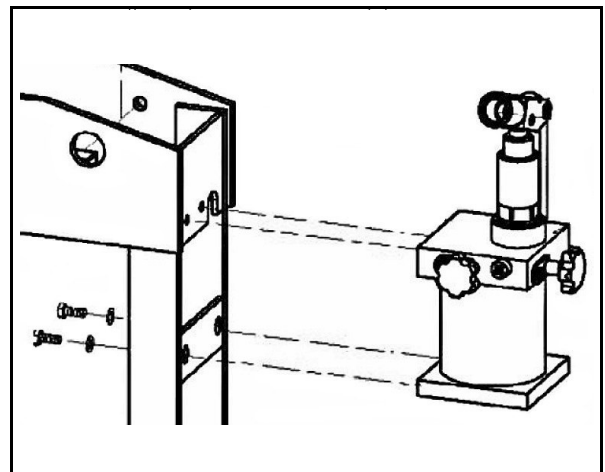


Fig. 6: Installing the pump unit

Step 1: screw the pump unit onto the outside of the frame using the screws and shims (see Fig. 6).

Step 2: install the pressure lines.

### 8.3 Installing the pressure gauge

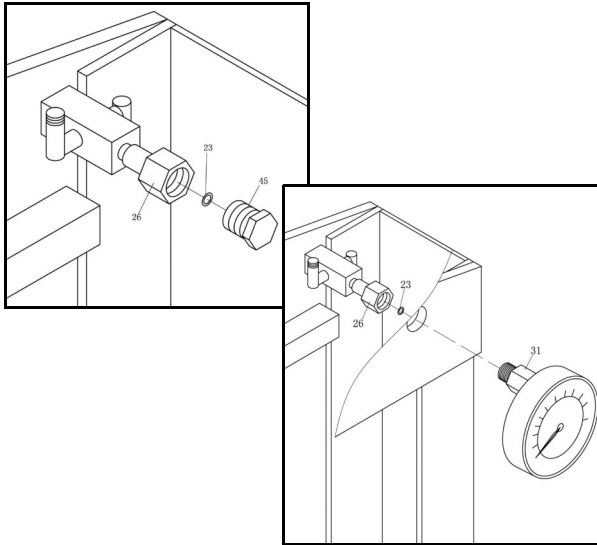


Fig. 7: Installing the pressure gauge

The machine is delivered with a seal plug instead of the pressure gauge to prevent escaping oil. Replace it with the pressure gauge.

Step 1: Remove the sealing plug and seal.

Step 2: Securely fasten the pressure gauge and seal to the distributor. The connection must not leak to prevent escaping oil (see Fig. 7).

## 9 Before commissioning

Step 1: Check the hydraulic oil level in the cylinder. Remove the stopper 8, fig. 4. The oil level should reach the opening.

Step 2: Bleed the hydraulic system; for this purpose, open both the valves (turn in anti-clockwise direction). Operate the pump lever several times to remove the air from the hydraulic system. Then once again close the valves.

Step 3: Check all lines and connections are not leaking. Check all machine parts are undamaged and operate as intended.

## 10 Operation



### WARNING!

#### Risk of death!

Non-observance of these instructions causes a risk of death.

- Do not work on the hydraulic workshop press under the influence of alcohol, drugs or medication and/or if you are very tired or suffer from conditions impairing your concentration.
- The hydraulic workshop press must be operated by one person only. Additional persons must keep out of the work area during operation.



### ATTENTION!

#### Risk of pinching!

Incorrectly working on the hydraulic workshop press causes a risk of injury to fingers and hands.

- Securely position the workpiece for processing on the support blocks and/or secure it to the support blocks.
- Do not reach into the operating range of the hydraulic workshop press during operation.



**Wear head protection!**



**Wear hearing protection!**



**Wear protective goggles!**



**Wear protective gloves!**



**Wear safety shoes!**



**Wear protective clothing!**


**NOTE!**

Carry out the following before operating the hydraulic workshop press for the first time.

- Check all screw connections on the installed, hydraulic workshop press and retighten if necessary.
- Fill the cylinder with hydraulic oil up to the opening and seal the opening using the black stopper.
- Remove any air from the hydraulic system.

## 10.1 Adjusting the table height


**ATTENTION!**
**Risk of pinching!**

Pinching may result from the press table not having been fully supported on the support bolts.

- Check the table is fully supported on the support bolts before adjusting the table height.
- Make sure the safety splints have been attached correctly!

Adjust the correct table working height using the support bolts to safely work on the hydraulic workshop press.

Step 1: Lift the press table on one side and keep it in this position.

Step 2: Pull the support bolt from the frame bore on the side the table was lifted.

Step 3: Lift the press table to the desired height or slightly above the corresponding frame bore.

Step 4: Insert the support bolt into the corresponding frame bore.

Step 5: Lower the press table onto the support bolt.

Step 6: Also carry out these steps on the second side so the table is positioned horizontally.

## 10.2 Setting up the work area

The work area must have been set up properly to be able to safely process the workpiece.

Step 1: Position the support blocks on the press table.

Step 2: Press the four pins in the support blocks down on each side so they are fully inserted in the press table.

This prevents the support blocks from slipping or tilting during processing.

## 10.3 Adjusting the horizontal working position

Step 1: Align the workpiece so that it is horizontal to the hydraulic cylinder.


**IMPORTANT!**

Make sure the workpiece has been centred under the piston!

## 10.4 Generate pump pressure


**NOTE!**

Monitor both the working area and the pressure gauge during pressing to exclude potential damage to the press or workpiece caused by overloads.

Step 1: For quick moving down the piston close both the valves 3 und 7 (Fig. 4) (turn clockwise) and move the pump lever.

Step 2: When the piston is positioned closed above the workpiece, open valve 3 (Fig. 4) (turn anti-clockwise). Valve 7 remains closed.

Step 3: Move the pump lever up and down until the stamp comes into contact with the workpiece.

Step 4: Continue to pump until the required pump pressure has built up. For this purpose, monitor the pressure gauge.


**IMPORTANT!**

- Do not exceed the press capacity!
- Do not use extensions for the pressure lever

## 10.5 Retracting piston



### Tips and recommendations

The manufacturer has already configured the retracting speed of the piston. Modifications are required or permitted following maintenance work or repairs only. For this reason, the adjusting screw has been covered.

Step 1: Open the valve 7 (Fig. 4) (turn anti-clockwise).

The hydraulic oil returns from the cylinder back into the pump oil tank. The piston returns to its base position/standby position.

## 10.6 Mounting the pressure mandrel set



### Tips and recommendations

The optional pressure mandrel set is supplied with a chuck, pressure mandrels with different diameters and an Allen key for loosening and tightening the Allen screw on the piston of the press.



Fig. 8: Mounting the mandrel set

Step 1: Unscrew the piston head using the attached hex key.

Step 2: Insert the mandrel chuck into the piston chuck and tighten with the hex key.

Step 3: Insert the mandrel into the mandrel chuck.

## 10.7 Processing the workpiece



### IMPORTANT!

- Make sure the securing bolts have been installed correctly!
- Make sure the workpiece has been centred under the piston!
- Do not exceed the press capacity!
- Do not use extensions for the pressure lever
- Do not reach into the press and keep away from moving parts!

Step 1: Lock the support blocks on the press table.

Step 2: Position and/or secure the workpiece on the support blocks.

Step 3: Close both the valves 3 and 7 (Fig. 4) of hydraulic pump (turn in clockwise direction) until they are closed completely.

Step 4: Operate the hand pump. The piston lowers.

Step 5: Release the hand/foot-operated pump once the hydraulic cylinder is over the workpiece.

Step 6: Align the workpiece and hydraulic cylinder.

Step 7: Open valve 3 and operate the hand pump to press the stamp onto the workpiece. Monitor the pressure gauge display.

Step 8: Close valve 3 (turn in anti-clockwise direction) after having processed the workpiece. The piston returns to its base position/standby position.

Step 9: Remove the workpiece.

## 11 Maintenance and repairs

### 11.1 Cleaning maintenance

Keep the hydraulic workshop press clean.



#### ATTENTION!

- Do not use solvent to clean plastic parts or painted surfaces. This may cause the surface to disintegrate and cause consequential damage.



#### Wear protective gloves!



#### NOTE!

Do not use sharp cleaning tools for any cleaning. This may cause damage or destroy the machine.

Clean all plastic parts and painted surfaces with a soft, moist cloth and some neutral cleaning agent.

Remove any excess lubricant or escaped oil using a clean and lint-free cloth.

### 11.2 Maintenance and repairs

Maintenance and repairs must be carried out by specialist staff only.

If the hydraulic workshop press is not operating correctly, contact a specialist retailer or our customer service. The contact details are listed in section 1.2 Customer service.

All protective and safety equipment must be immediately reinstalled after having completed repair and maintenance work.

We recommend to have specialist staff clean and check the hydraulic workshop press at minimum once a year.

An authorised person must check the hydraulic pipes and connections once a year. In the event of increased usage periods, frequent or increased pressure pulses or severe external influences the machine must be checked once every six months.

The hydraulic pipes must be replaced after an operating period of six years. In the event of increased usage periods and stricter requirements pipes must be replaced every two years.

#### 11.2.1 Oil changes

##### Draining oil:

Step 1: Remove the stopper of the oil filling opening at the hydraulic cylinder, while piston is completely retracted.

Step 2: Pump out the hydraulic oil and collect it in a suitable container using a hose.



#### NOTE!

Dispose of the removed oil separately. Consult the lubricant manufacturer for appropriate information.

##### Topping up oil:

Step 1: Retract the piston so that it is in the base position.

Step 2: Fill up new oil via the opening (max. 600 ml).

Step 3: Close the opening with the black stopper.

##### Remove air from hydraulic system:

Step 1: To remove the air from the hydraulic system, open both the valves 3 and 7 (turn in anti-clockwise direction). Operate the pump lever several times to remove the air from the hydraulic system. Then once again close the valves. If necessary, fill up oil once again.

## 11.2.2 Visual inspection

Maintenance intervals and operating hours	Maintenance point
Daily	Visual inspection of the hydraulic workshop press for dirt, clean if necessary
Weekly	Visual inspection of the hydraulic workshop press, in particular the press table and support bolts: if necessary, replace damaged components or request repairs
Weekly	Visual inspection of the hydraulic workshop press, in particular the functions of the hydraulic components and checking for oil leaks (pump, hoses, cylinders, pressure gauge, etc.): If necessary, replace damaged components
200	Functional inspection of the entire hydraulic workshop press to verify the machine completes all steps and operates correctly and safely: If necessary, request repairs
Annually	Have the hydraulic pipes and connections checked by an authorised person. In the event of increased usage periods, frequent or increased pressure pulses or severe external influences the machine must be checked once every six months. If necessary, have damaged pipes replaced.

## 11.2.3 Maintenance tasks

Maintenance intervals and operating hours	Maintenance task
200	Lubricate the hydraulic workshop press (all moving parts, bearings and guides).
300	Change the hydraulic oil.
When necessary	Vent the hydraulic system.
When necessary	Top up hydraulic oil and then vent the hydraulic system.
6 years	Have hydraulic lines replaced. Every two years in the event of increased usage periods.

## 11.2.4 Recommended processing materials

Processing material	Specification	Manufacturer/type (non-binding recommendation)	Quantity
Hydraulic oil	ISO 32 Viscosity from 22 to 25 mm <sup>2</sup> /s	OMV HYDRAL 32	
Grease	SO XM 2	OMV SIGNUM M 283	As required

## 11.2.5 Lubrication

Machine component	Lubrication point	Lubrication medium
Manual hydraulic pump	Stamp Shaft on the switching valve	Grease: Apply grease to the listed components using a greased brush. Remove excess lubricant using a dry and lint-free cloth.



## 12 Disposal, reusing used machines

In your own interest and to protect the environment make sure that all machine components are exclusively disposed of in as intended and permitted.

### 12.1 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 processing materials from the used machine.

Step 2: if necessary, disassemble the machine into assemblies and components that are easy to handle and suitable for recycling.

Step 3: the machine components and processing materials must be disposed of using the intended disposal methods.

### 12.2 Disposing of lubricants

Remove escaping, used or excess grease from the lubrication points featuring lubricant.

Lubricant manufacturers provide disposal information for the lubricants used. If necessary, request product-specific data sheets.

## 13 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**

The manufacturer warranty shall be rendered void in the event of a use of unauthorised spare parts.

### 13.1 Spare parts orders

Spare parts are available from authorised retailers or directly from the manufacturer. The contact details have been listed in section 1.2 Customer service.

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

- Device type
- Item number
- Spare parts drawing number
- Position number
- Year of manufacture
- 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 determine 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 workshop press.

#### **Example**

The pressure gauge for the Workshop press WPP 15 TE must be ordered. The pressure gauge has the number 38 in the spare parts drawing.

By ordering spare parts, send a copy of the spare parts drawing with the marked part (pressure gauge) and marked position number (38) to the dealer or spare parts department and provide the following information:

- Type of device: **WPP 15 TE workshop press**
- Item number: **6300015**
- Position number: **38**

## 13.2 Spare parts drawing

The following drawing is intended to identify the required spare parts in the event of service. If applicable, submit a copy of the parts drawing including the highlighted components to your authorised retailer.

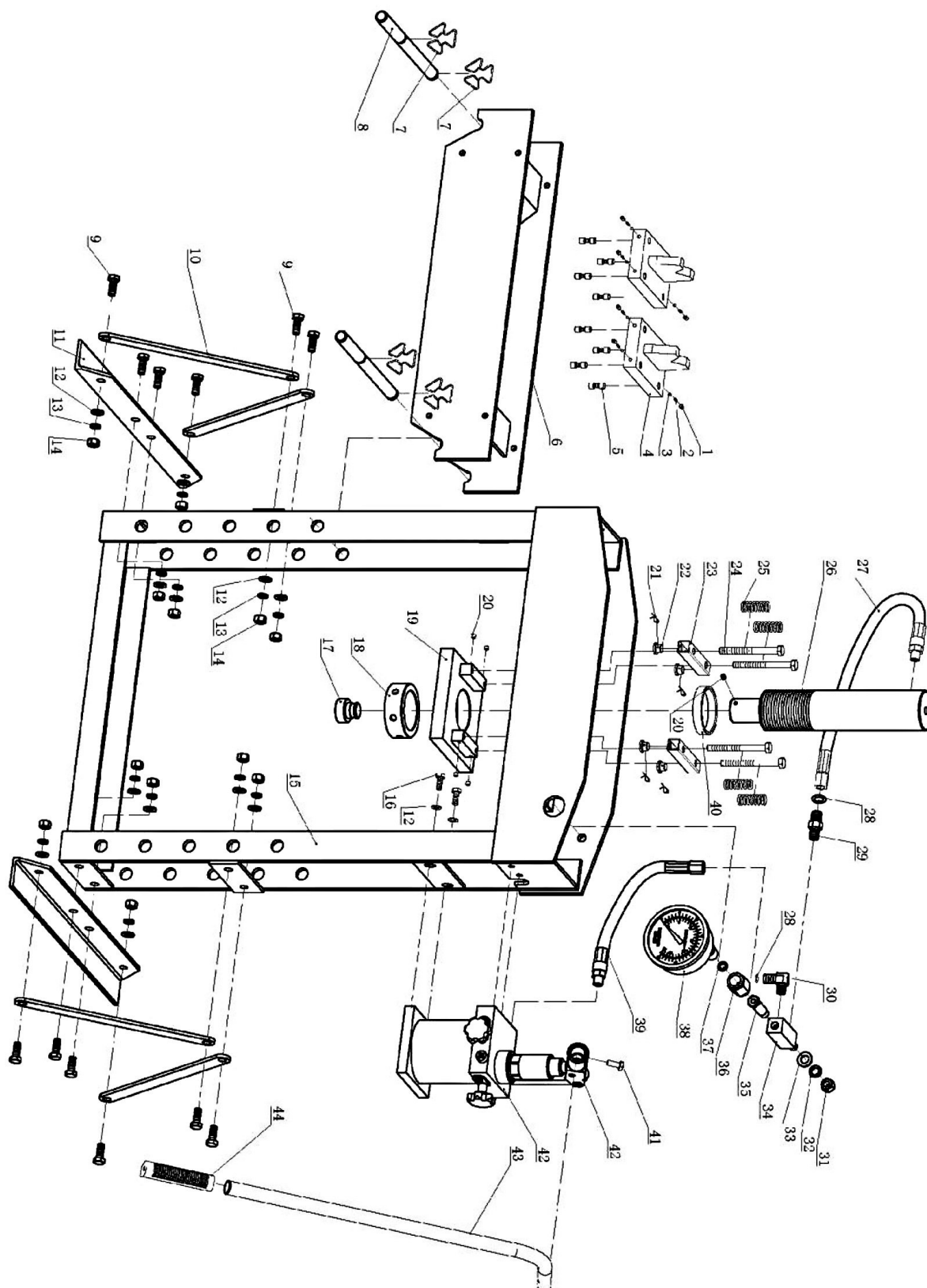


Fig. 9: Spare parts drawing

### 13.3 Hydraulic Circuit diagram

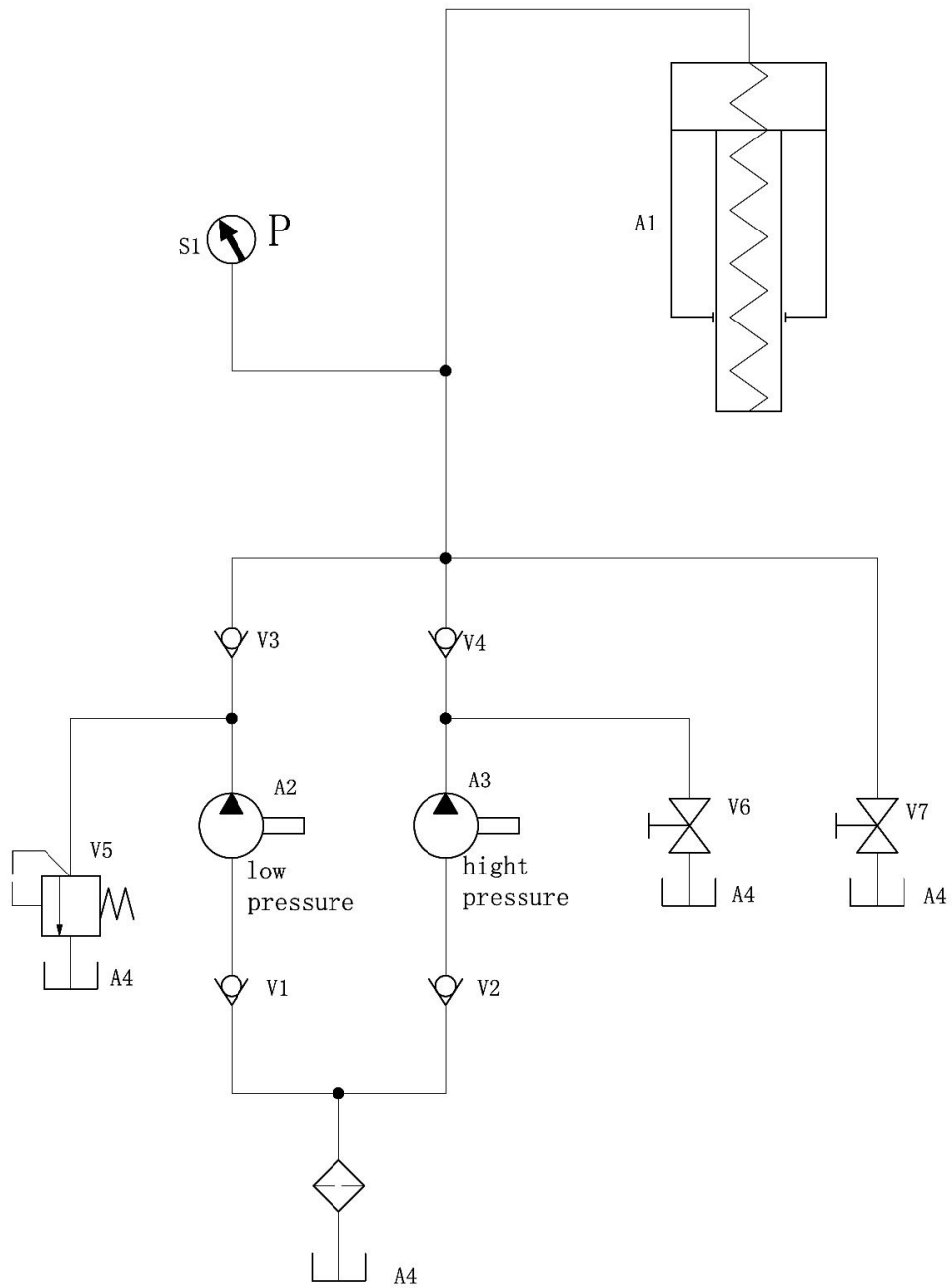


Fig. 10: Hydraulic circuit diagram of the WPP 15 TE



## 14 EC Declaration of Conformity

As per machine directive 2006/42/EC, Appendix II 1.A

**Manufacturer/seller:** Stürmer Maschinen GmbH  
Dr.-Robert-Pfleger-Str. 26  
D-96103 Hallstadt  
Germany

hereby declares that the following product

**Product group:** Unicraft® workshop technology

**Machine type:** Hydraulic workshop press

**Machine designation:** WPP 15 TE

**Item number:** 6300015

**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 directive:** 2014/68/EU Directive for pressurised devices

**The following harmonised standards have been applied:**

DIN EN ISO 12100:2010 Safety of machinery - general design principles -  
Risk assessment and minimising risks

DIN EN 1494:2009-05 Mobile or movable hoisting devices and related equipment

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

Hallstadt, 19th of April 2016



Kilian Stürmer  
General Manager



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