

# Operating instructions

Translation of the original operating instructions



**Universal finisher**

**UF30**

**CE**

Read the manual carefully before starting work! Please retain the manual for future use!

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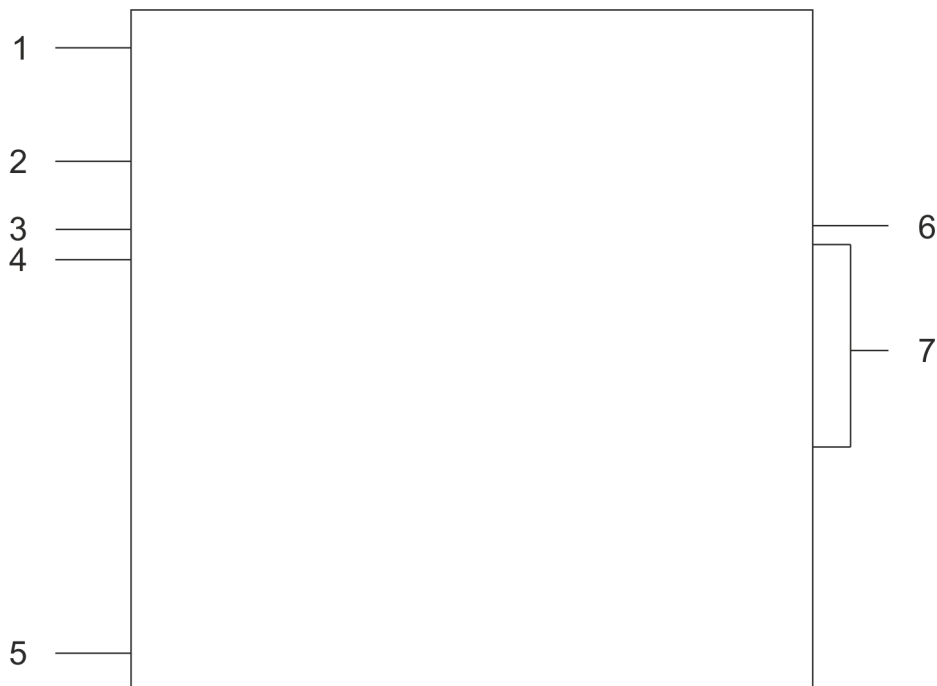
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## 1 General information

### 1.1 Type plate



*Fig. 1: Type plate*

- 1 Address
- 2 Designation of machine
- 3 Device type
- 4 Year of construction

- 5 Serial number
- 6 Article number
- 7 Weight, connection ratings

## General information

Declaration of conformity

### 1.2 Declaration of conformity

|   |   |
|---|---|
| <b>EU-Konformitätserklärung / EU declaration of conformity / Déclaration UE de conformité</b>   |   |
| <b>Manufacturer:</b>  | <b>VEIT GmbH / Justus-von-Liebig-Str. 15 / D-86899 Landsberg</b>  |
| <b>Model:</b>   | <b>Universalfinisher<br/>Universal Finisher</b>   |
| <b>Type:</b> UF30   | serial number: _____  |
|   | CE marking affixed: _____   |
| <p>Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.<br/>         This declaration of conformity is issued under the sole responsibility of the manufacturer.<br/>         La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.</p>  |   |
| <p>Hiermit erklären wir, dass die Bauart des genannten Produkts in der gelieferten Ausführung folgenden einschlägigen Richtlinien entspricht:<br/>         Herewith we declare that the supplied model complies with the following provisions applying to it:<br/>         Par la présente, nous déclarons, que le modèle fourni correspond aux dispositions pertinentes suivantes:</p> <p><b>Directive 2006/42/EC (L 157/24 - 09.06.2006 - MD)</b></p> <p><b>Directive 2014/30/EU (L 96/79 - 29.03.2014 - EMCDD)</b></p> |   |
| <p>Angewandte harmonisierte Normen, insbesondere:<br/>         Applied harmonized standards, in particular:<br/>         Normes harmonisées utilisées, notamment:</p> <p><b>EN ISO 12100:2010</b></p> <p><b>EN 60204-1:2018</b></p>   |   |
| <p>Bevollmächtigter für die Zusammenstellung der technischen Unterlagen:<br/>         Authorized representative for the compilation of the technical documents:<br/>         Fondé de pouvoir pour l'établissement des documents techniques:</p>  | <p><b>VEIT GmbH</b><br/> <b>Justus-von-Liebig-Straße 15</b><br/> <b>D-86899 Landsberg</b><br/> <b>Tel: +49 (8191) 479-0</b></p> |
| <p><b>VEIT GmbH</b><br/> <b>Justus-von-Liebig-Straße 15</b><br/> <b>D-86899 Landsberg</b><br/> <b>Tel: +49 (8191) 479-0</b><br/> <b>Fax: +49 (8191) 479-199</b></p> <p>Landsberg, 07.06.2021</p>  |   |
| <p><br/>         Sascha Oehl<br/>         (Director Product and Innovation)</p>   |   |

Fig. 2: Declaration of conformity

## 2 Intended use

This machine has been developed, designed and built for industrial and commercial use only. The machine is intended for operation in closed rooms only.

The UF30 universal finisher is exclusively designed and manufactured for finishing blouses, sport jackets, casual jackets, and jeans jackets.



### NOTICE!

The machine may only be used for 3-dimensional finishing of blouses, sport jackets, casual jackets, and jeans jackets. The manufacturer will not assume any responsibility for modifications and changes. If the place of installation does not comply with the intended use, rebuilding measures must be taken to ensure a higher protection class (see chapter "Technical data").



### NOTICE!

#### Reasonably foreseeable misuse

The machine must not be used for finishing leather fabrics or non-breathable fabrics of any type.



### WARNING!

This machine is exclusively designed for the purpose mentioned above. Any other or further use as well as any rebuilding or retrofitting of the machine without the written consent of the manufacturer will be deemed as not in accordance with the intended use. The manufacturer shall not be held liable for damages caused by such use. The user alone bears the risk. This also applies to the installation and setting up of safety devices and valves as well as to any changes to load-bearing parts of the machine.

Intended use also includes adherence to operating instructions and compliance with the inspection and maintenance intervals prescribed by VEIT.

**CAUTION!**

Danger from misuse of the UF30 universal finisher.

Unintended use may result in personal injuries, damage to the equipment or environment.

Only use the UF30 universal finisher for its intended use and observe the specified limit values, in particular.

Observe the notes on maintenance and use original spare parts from the manufacturer only.

The operating company will be held liable for damages resulting from misuse of the UF30 universal finisher.

The UF30 universal finisher from VEIT GmbH has been designed and built in accordance with the safety requirements.

**CAUTION!**

Hazards from modifications and retrofitting, which, if not avoided, could result in death, serious or minor injuries (personal injuries), damage to the equipment or environment.

Unauthorised modifications to the product or retrofitting are not permitted.

Only use original spare parts.

The UF30 universal finisher only requires little maintenance but is not maintenance-free.

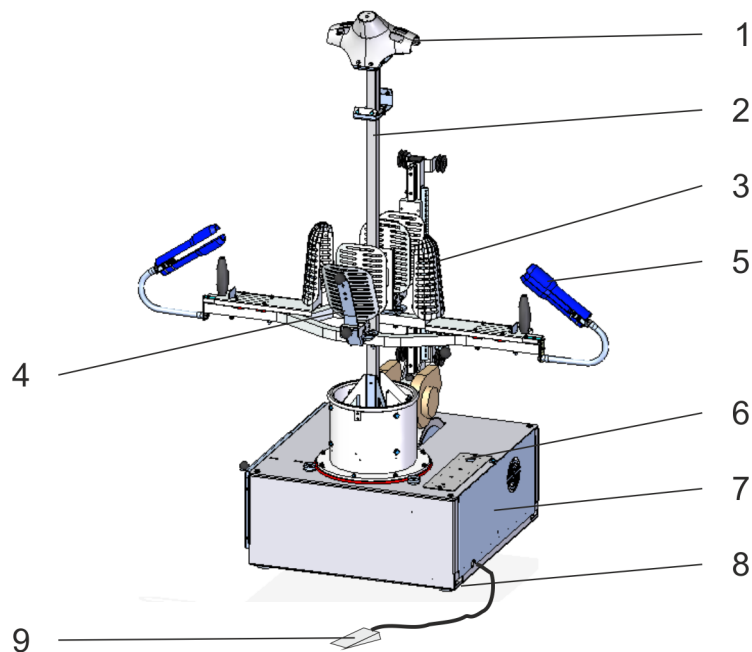
**NOTICE!****Maintenance**

Irregular maintenance may result in damage to the machine and production downtime.

Observe the notes on maintenance.

## 2.1 Overview of the machine

### 2.1.1 Overview of the universal finisher



*Fig. 3: Overview of the machine, universal finisher*

- |                             |                 |
|-----------------------------|-----------------|
| 1 Adjustable shoulder width | 6 Control panel |
| 2 Garment attachment        | 7 Machine frame |
| 3 Side stretcher            | 8 Machine foot  |
| 4 Front and back stretcher  | 9 Foot pedal    |
| 5 Sleeve stretcher          |                 |

## 2.1.2 Overview of the universal finisher with garment attachment

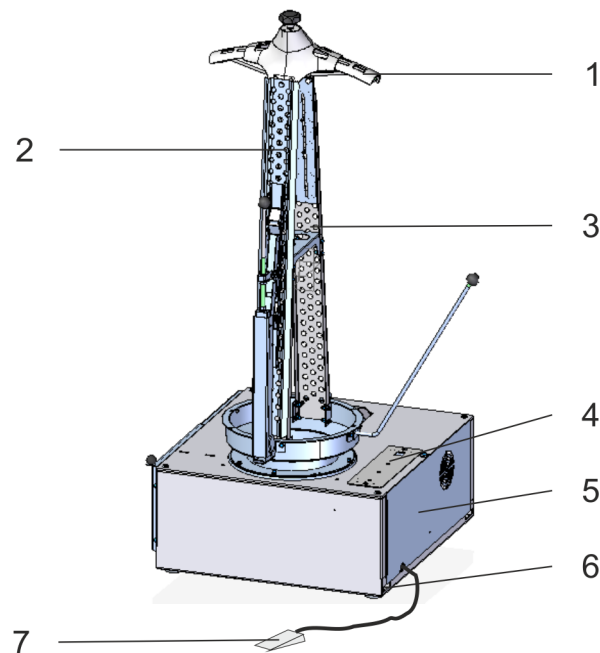


Fig. 4: Overview of the machine, universal finisher with garment attachment

- |                             |                 |
|-----------------------------|-----------------|
| 1 Adjustable shoulder width | 5 Machine frame |
| 2 Pressure clamp            | 6 Machine foot  |
| 3 Garment attachment        | 7 Foot pedal    |
| 4 Control panel             |                 |

## 2.2 Function

The UF30 universal finisher is exclusively designed and manufactured for finishing blouses, sport jackets, casual jackets, and jeans jackets.

The blouse is pulled over the shoulder component.

The hem and the sleeves are manually inserted in the stretching devices, and the blouse is arranged optimally.

The program control system is used to set the desired parameters.

After pressing the foot pedal, the steam-steam / hot air-hot air programs run one after the other.

A magnetic steam valve is used to initiate the flow of steam, which is then applied to the pieces to be finished using a spraying unit.

Once the three runtimes set have ended, the flow of steam and the fan are switched off.

Then, the hem holding clamps can be opened, the sleeves can be pulled out of the sleeve stretcher, and the blouse can be removed.

## 2.3 Technical data

### Universal finisher

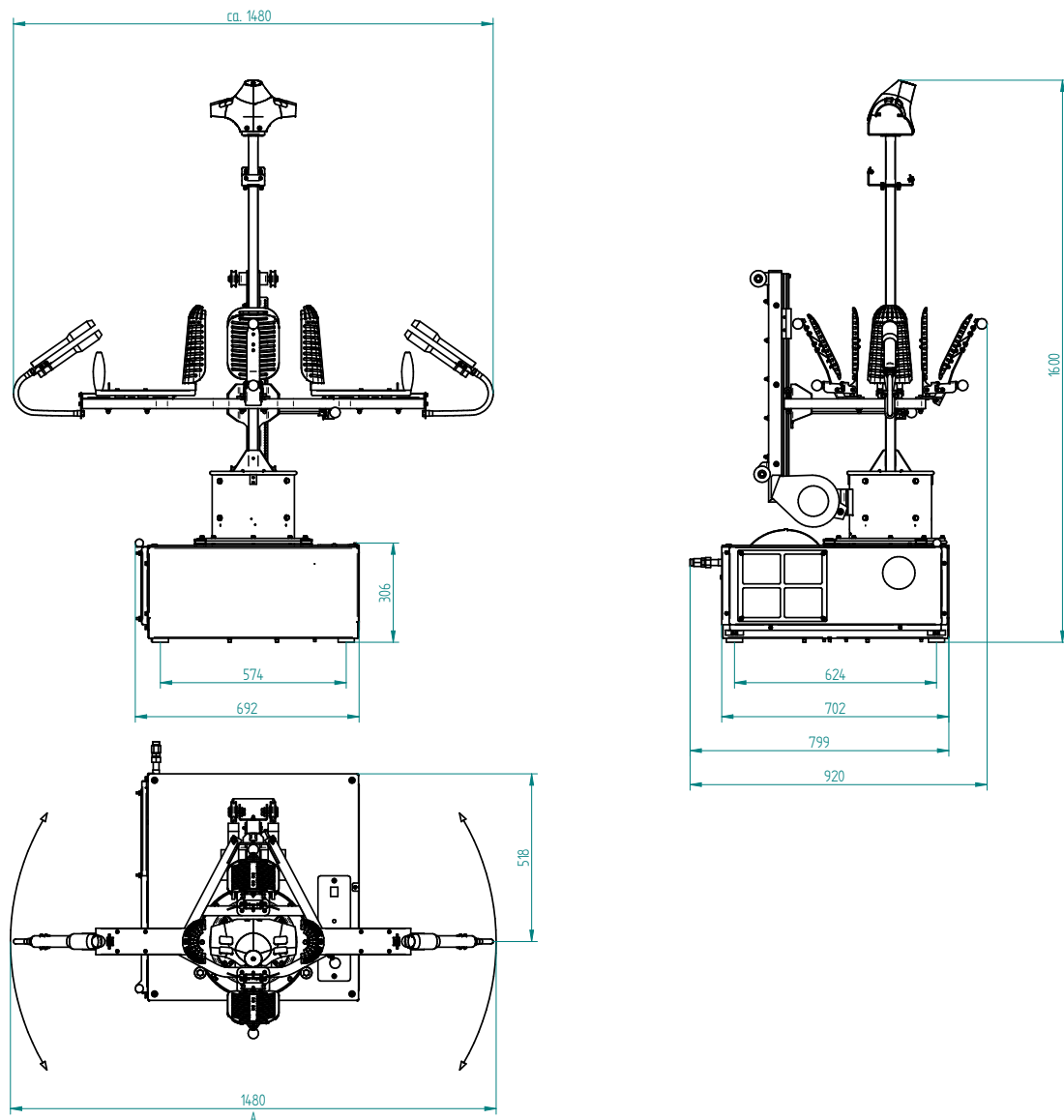


Fig. 5: Technical data of the universal finisher

A Rotation diameter

## Intended use

Technical data

### Universal finisher with garment attachment

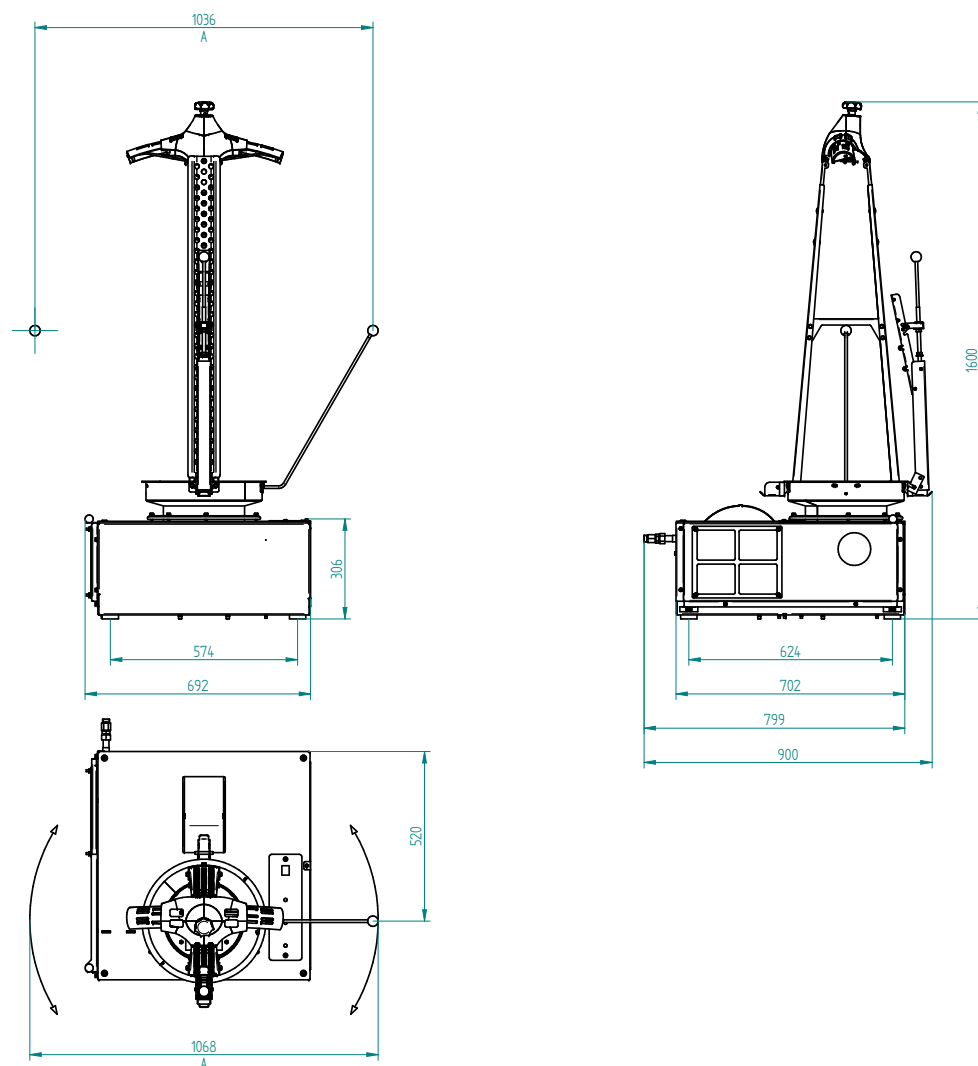


Fig. 6: Technical data universal finisher finisher with garment attachment

A Rotation diameter



**Tab. 1: Electrical connection**

|                                      |   |
|--------------------------------------|---|
| Mains voltage                        | 1~N/PE AC, 200–240 V                              |
| Mains frequency                      | 50/60 Hz  |
| Power                                | 2.0 kW  |
| Current consumption                  | 9 A   |
| Recommended fusing on the mains side | 16 A  |
| Connection method                    | Assembled mains connection cable with Schuko plug |
| Degree of protection                 | IPXXC   |

**Tab. 2: Steam supply**

|                |                       |
|----------------|-----------------------|
| Connected load | 0.5–0.6 MPa (5–6 bar) |
| Consumption    | 16.5 kg/h             |
| Connection     | 1 x 1/2"              |

**Tab. 3: Condensate**

|                |                             |
|----------------|-----------------------------|
| Connected load | 0.5 bar / 0.05 MPa, maximum |
| Connection     | 1 x 1/2"                    |

**Tab. 4: Dimensions and weight**

| <b>Dimensions</b>         | <b>Universal finisher</b> | <b>Universal finisher finisher with garment attachment</b> |
|---------------------------|---------------------------|--|
| Depth                     | 920 mm                    | 900 mm   |
| Width (rotation diameter) | 1480 mm                   | 1068 mm  |
| Height                    | 1600 mm                   | 1600 mm  |
| Weight                    | 105 kg, approx.           | 95 kg, approx.   |

**Tab. 5: Sound pressure level**

Sound pressure level (measured at a distance of 1 m and a height of 1.6 m)

During a finishing cycle of 5 seconds of steam / 2 seconds of steam/air / 15 seconds of air / 100% air performance, the emission sound pressure level (LpAeq) is 75 dB (A).

## Intended use

Technical data

| Operating mode | Continuous sound pressure level |
|----------------|---------------------------------|
| Steaming       | 71 dB (A)                       |
| Steam/air      | 83 dB (A)                       |
| Drying         | 68 dB (A)                       |

## 3 Safety

### 3.1 Safety instructions

In these operating instructions, warnings and notes are indicated by a symbol and a signal word.

The warning notes are structured hierarchically:



#### **WARNING!**

WARNING indicates a potentially hazardous situation which could result in death or serious injury.



#### **CAUTION!**

CAUTION indicates a potentially hazardous situation which could result in minor or moderate injury.



#### **NOTICE!**

NOTE indicates a potentially harmful situation which could result in damage to the machine and the surrounding area.

## 3.2 Explanation of the warning symbols and danger signs

On the machine and in these operating instructions, the following designations or symbols are used for particularly important information:



### WARNING!

Electric shocks may lead to death or serious injuries.



### WARNING!

Symbol indicating risk of **hand injuries**.



### WARNING!

Symbol indicating **risk of burns** caused by hot surfaces.



### CAUTION!

#### Protection against ESD

Before touching the printed circuit board, make sure that the person is earthed (ESD protection).



### NOTICE!

Request to pay particular attention.



This symbol labels the connection points for the **protective conductor connection**.



Reference to external **operating instructions**.

### 3.3 General safety and warning notes


**NOTICE!**
**Reading the operating instructions**

The operating instructions, especially the “Safety” chapter, must be read and carefully observed by all users and supervisors prior to startup and use of the device.


**CAUTION!**
**Keeping the operating instructions**

The operating instructions must be kept permanently and at hand at the installation location of the system.


**WARNING!**
**Requirements for the users**

The machine must only be operated by trained and instructed personnel. This means that only persons who are familiar with the operating instructions, the applicable safety regulations in the workplace and accident prevention measures should use and maintain the machine.


**WARNING!**
**Checking the system for damage prior to startup**

Prior to every startup, the machine must be checked for visible damage. If there are damages, repair/maintenance measures must be initiated immediately. Do NOT start up the machine.


**WARNING!**
**Voltage and current**

The machine must only be operated with the voltage and current indicated on the type plate.


**WARNING!**
**Unit with plug**

The unit is supplied with a plug.

- Do not connect without a plug.



**WARNING!**

**Mains disconnecting device**

The mains disconnecting device of the device is the Schuko plug.

It must be freely accessible and must not be blocked.



**WARNING!**

**Laying the mains connection cable**

When laying the mains connection cable make sure that it is optimally protected against mechanical damage and that there is no risk of tripping over.



**WARNING!**

**Replacement of mains connection cable**

The mains connection cable must only be replaced by a member of the VEIT GmbH service team or a person commissioned and instructed by VEIT GmbH.



**WARNING!**

**Prior to opening the machine**

The following must be performed prior to opening the device:

- Unplug the mains connector
- Lock the steam and condensate lines
- Allow the device to cool down



**WARNING!**

**Prior to cleaning, maintenance, and repair of the machine**

The following must be performed prior to cleaning, maintenance, and repair of the machine:

- Unplug the mains connector.
- Lock the steam and condensate lines
- Allow the device to cool down



## **WARNING!**

### **Distribution system operator and mains connection**

Connection to the mains must be protected on site. The regulations of the local power supply companies must be observed. For the connection and protection on the line side, please refer to the data in the circuit diagram or on the type plate.



## **WARNING!**

### **Faults in electrical system**

Faults in the electrical system must only be resolved by an electrically skilled person.



## **WARNING!**

### **In the event of danger**

Stop the device by one of the following measures in the event of danger:

- Use the ON/OFF switch
- Disconnect the electrical connection to the device by removing the Schuko plug (mains disconnecting device).



## **WARNING!**

### **Shut-off valve at the steam connection and condensate line**

The steam connection and condensate lines must be provided with a shut-off valve.



## **WARNING!**

### **Danger from burning by hot steam**

- There is always a risk of burns caused by hot steam.
- Therefore: Proceed with caution when carrying out steaming tests without garment.
- Keep your distance.
- Do not touch the steam and condensate lines.
- The machine must only be operated with the bust properly mounted.
- Don't reach into the area below the form.



**WARNING!**

**Hot surface**

In general, there is a risk of burns on the hot surfaces of the machine.

- Be careful when operating the machine.
- Allow the machine to cool down before opening the machine.



**WARNING!**

**Missing casings/covers**

Do NOT start up the machine when casings/covers are missing.



**WARNING!**

**Accessories/spare parts**

Only spare parts and accessories approved by VEIT GmbH may be used.



**WARNING!**

**Work on electric supply lines must only be carried out by an electrically skilled person. Unplug the mains disconnecting device prior to opening the device. Danger to life!**



**WARNING!**

**Modifications to the product**

Unauthorised modifications to the product are not permitted. The manufacturer cannot be held liable for accidents/damages resulting from unauthorised modifications.



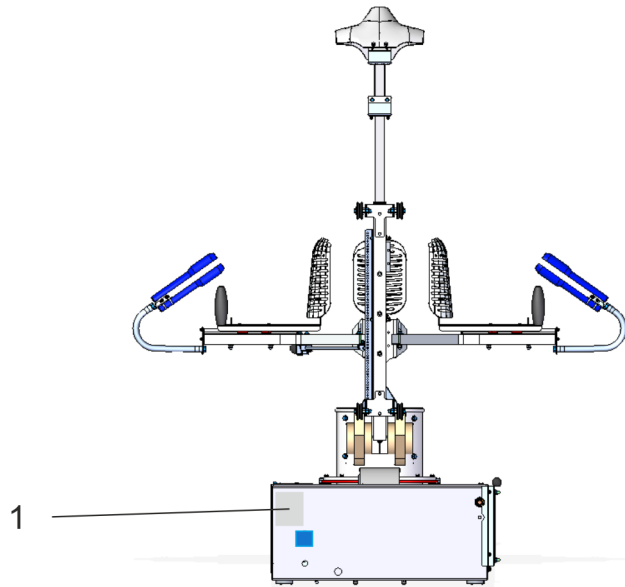
**WARNING!**

**Cover of the fan wheel**

Make sure that the cover of the fan wheel (motor cooling) is not covered. The area around this cover must also be kept free and not be heated unnecessarily. Make additionally sure that the grid of the fan cover always is free from dust and lint in order to guarantee adequate cooling.



### 3.3.1 Identification of the system



*Fig. 7: Position of the type plate*

#### 1 Type plate

The information given in these operating instructions only applies to machines with the article number indicated in chapter "Type plate".

The type plate indicating the article number is on the back of the machine.

For all enquiries or orders in writing or on the phone, please always quote:

- Type of machine
- Article number of the machine
- Article number of the relevant component (see chapter "Spare parts lists")
- Serial number
- Year of construction

## 3.3.1.1 Address

### Manufacturer

VEIT GmbH  
Justus-von-Liebig-Str. 15  
D-86899 Landsberg am Lech  
GERMANY  
Phone +49 8191 479 0  
Fax +49 8191 479 149  
E-mail: [info@veit.de](mailto:info@veit.de)  
[www.veit-group.com](http://www.veit-group.com)

### Service hotline

|          |  |
|----------|--|
| Germany: | +49 8191 479 133                                     |
| Europe:  | +49 8191 479 252                                     |
| America: | +1 770 8688060                                       |
| Asia:    | +852 2111 9795                                       |
| E-Mail:  | <a href="mailto:service@veit.de">service@veit.de</a> |

### Spare parts

|          |                  |
|----------|------------------|
| Germany: | +49 8191 479 100 |
| America: | +1 770 8688060   |
| Asia:    | +852 28349986    |

## 3.4 Built-in safety systems

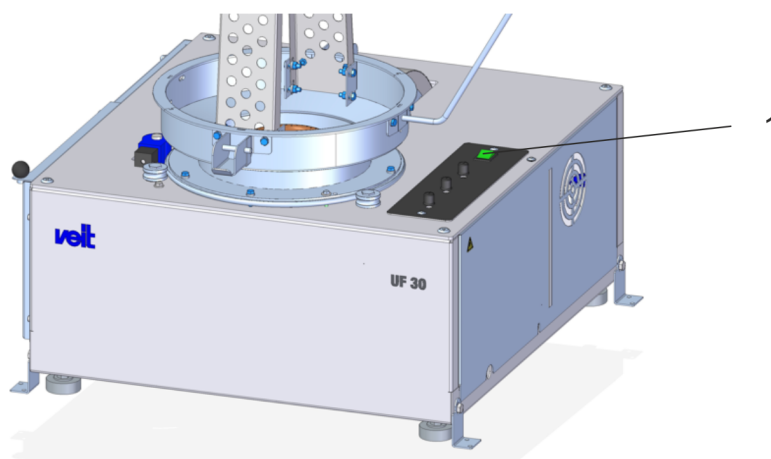


Fig. 8: Safety systems on the machine

1 Appliance switch

Prior to commissioning, the safety systems must be checked as follows at the specified intervals.

*Tab. 6: Interval*

|          |             |
|----------|-------------|
| <b>t</b> | Every day   |
| <b>w</b> | Every week  |
| <b>m</b> | Every month |
| <b>j</b> | Every year  |

*Tab. 7: Inspection*

|          |                   |
|----------|-------------------|
| <b>S</b> | Visual inspection |
| <b>F</b> | Function check    |
| <b>M</b> | Measurement       |

| <b>Safety device</b>  | <b>Interval</b> | <b>Inspection</b> |
|---|-----------------|-------------------|
| <b>Appliance switch</b><br>It disconnects/connects the machine from/to the power supply and is located on the control panel on the side of the machine. | t               | S, F              |

### 3.4.1 Instructions

Operating and maintenance personnel will be instructed on site by personnel of VEIT GmbH unless otherwise agreed in the purchase contract.

In case of questions or uncertainties, please contact VEIT GmbH.



#### **WARNING!**

The operating company undertakes to introduce any new operating and maintenance personnel to the operation and maintenance of the machine as well as to all safety instructions to the same extent and with the same care.

We recommend that operating and maintenance personnel attend appropriate training at VEIT. Please contact the VEIT service department for further information on training opportunities.

## 3.5 Safety measures

### (To be carried out by the operating company)

The operating company is responsible for:

- Monitoring the adherence of operating and maintenance personnel to safety measures

The statutory minimum age for operating and maintenance personnel must be observed.

These operating instructions must be retained for future use.

The prescribed frequency of inspection and control measures must be observed.

In these operating instructions, the operations to be carried out are described in such a way that

- An **instructed person** can understand the instructions given in the OPERATION chapter
- An **authorised person** can understand the instructions given in the MAINTENANCE chapter
- A **qualified person** can understand the instructions given in the TRANSPORT, INSTALLATION, SETTING UP and MAINTENANCE chapters

In the REMEDY OF FAULTS/ELIMINATION OF DEFECTS chapter, the responsible person/skilled person is specified depending on the type of fault.

### Instructed person

A person who has been introduced to the tasks assigned to him/her and the possible dangers that can result from improper behaviour, who has been appropriately trained and who has been instructed in the necessary safety devices and safety measures.

### Authorised person

A person who operates the device on a regular basis and who has been instructed by a skilled person from VEIT GmbH, particularly with regard to setting up and servicing the device, unless otherwise agreed in the purchase contract.

### Qualified person

A person who, because of her/his education, knowledge and experience and their knowledge of relevant standards, has been authorised to carry out any operations and who is able to recognise any possible dangers.

**The definition follows EN 60204-1:2006+A1:2009.**

### 4 Potential dangers

The safety systems and safety instructions described in these operating instructions must be observed.

The machine is operated from the front.

The operating area and the access area to the machine must be kept free of tools and other objects. Make sure that the operating area at and around the machine is clean and tidy.

Never place tools or other objects on the machine. Due to vibrations, these objects may fall into the machine and cause severe damage.



#### **WARNING!**

##### **Risk of crushing**

Do not reach into the guiding mechanism of the carriage and pressure clamps.



#### **WARNING!**

##### **Danger from burning by hot steam**

- There is always a risk of burns caused by hot steam.
- Therefore: Proceed with caution when carrying out steaming tests without garment.
- Keep your distance.
- Do not touch the steam and condensate lines.
- The machine must only be operated with the bust properly mounted.
- Don't reach into the area below the form.



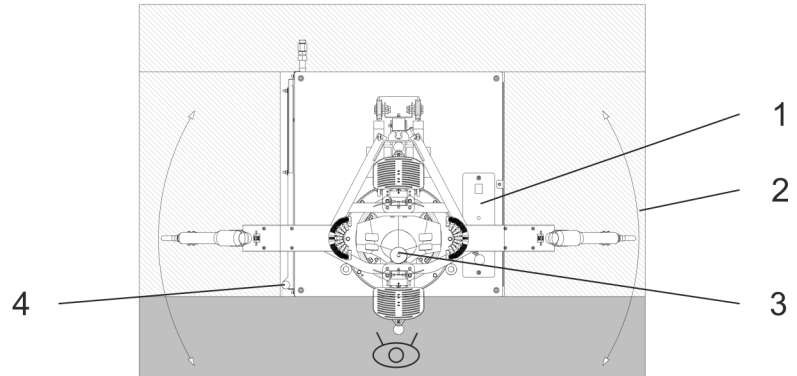
#### **WARNING!**

Protect the machine against frost.

## 4.1 Danger zone of the machine



### Universal finisher

The operator has access to the following parts of the machine:



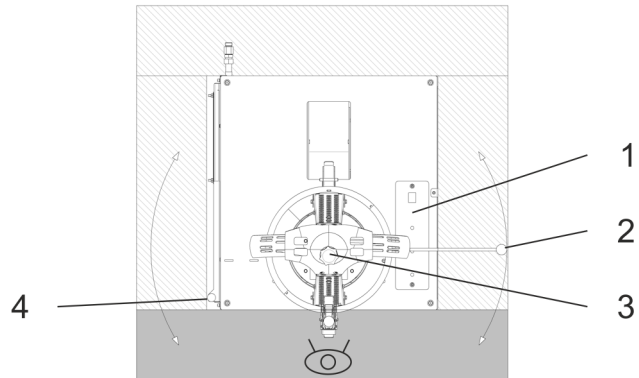
*Fig. 9: Danger zone of the machine, universal finisher*

- 1 Control panel
- 2 Rotation area
- 3 Bust
- 4 Air volume metering system

|  |   |
|--|---|
| <b>Operating area</b>  |  |
| <b>Danger zone</b> during commissioning, servicing, maintenance and repair |  |

## Universal finisher with garment attachment

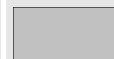
Für den Bediener sind folgende Bereiche an der Maschine zugänglich:



*Fig. 10: Danger zone of the machine, universal finisher with garment attachment*

- 1 Control panel
- 2 Rotation area
- 3 Bust
- 4 Air volume metering system

### Operating area



### Danger zone during commissioning, servicing, maintenance and repair



## 4.2 Duties of the operating company

The operating company has to obtain the operating license and must observe the associated obligations.

In addition, the company has to comply with the local regulations on

- Safety of personnel (accident prevention regulations)
- Safety of equipment (protective equipment and maintenance)
- Disposal of products (waste management law)
- Disposal of materials (waste management law)
- Cleaning (cleaning agents and disposal)
- Environmental obligations



### NOTICE!

Prior to commissioning the machine, the operating company must ensure that the local regulations, e.g. on electric and pneumatic connections, are complied with if the company itself is responsible for setup and installation.

### 4.3 Operating and maintenance personnel

All persons (operating and maintenance personnel only) who are involved in setting up, installing, commissioning, operating or maintaining the machine must act safely when handling the machine.

This applies in the following cases:

- The machine is operated, serviced and maintained by trained and authorised persons. Personnel who are to be trained, instructed or those who are undergoing general training are only allowed to work on the machine under the constant supervision of an experienced person.
- Responsibility for operating the machine is clearly defined and adhered to when being operated by several persons in order to avoid uncertain competences with regard to safety.
- Shutdown procedures referred to in the operating instructions are always observed during work on the machine (operation, maintenance, repair, etc.).
- Unauthorised people are kept away from the working area of the machine.
- Compliance with safety-conscious and risk-conscious work as described in the operating instructions is checked on a regular basis.
- The operating company only operates the machine while in proper working order.
- In case of malfunctions, the machine is stopped and locked immediately. The relevant department/person has to be informed and the fault has to be remedied immediately by the responsible department.
- The operator immediately informs the responsible department/person about any changes on the machine which might impair safety.



## 4.4 Abschaltprozeduren



### CAUTION!

Vor Reinigungs-, Wartungs- oder Reparaturarbeiten (nur durch Fachpersonal) ist folgende Abschaltprozedur unbedingt einzuhalten.

Bei Nichtbeachtung entstehen Gefahren für Leib und Leben des Personals.

1. ➤ Dampfversorgung und Kondensatrückführung absperren
  - Ventil zur Dampfversorgung und Kondensatrückführung absperren.
  - Dampfsystem mittels Betätigung des Fußschalters drucklos machen.
  - Stellen Sie sicher, dass an der Maschine kein Dampf austritt.
  - Stellen Sie sicher, dass die Maschine abgekühlt ist.
2. ➤ Maschine stromlos schalten
  - Netzstecker ziehen.
  - Stellen Sie sicher, dass keine Spannung anliegt.

## 5 Transport and packaging

Although machines of VEIT GmbH are carefully checked and packed before being delivered, damages during transport cannot be ruled out.

### 5.1 Delivery

- Incoming inspection
  - Check the scope of delivery for completeness using the delivery note.
  - Check the delivery for damages (visual inspection).
- Objections

Take the following measures if the delivery has been damaged during transport:

  - Immediately contact the carrier.
  - Retain the packaging (for possible examination by the carrier or for return shipment).
- Packaging for return shipment

Use the original packaging and the original packaging material, if possible.

If it is not available:

  - Engage a packaging company with qualified personnel.
  - Place the machine on a pallet and fasten it using a securing device. (The pallet must be designed to carry the weight of the machine.)

For questions on the packaging and securing device, please contact VEIT GmbH.



#### **NOTICE!**

The machine is transported in an upright position.

- Make sure that there is no water in the steam pipe system since this might cause damage to the machine.
- Add a drying agent when packing the electrical equipment.

- Overland shipment

The machine is delivered by truck or train.
- Overseas shipment

In case of overseas shipment, the machine will be welded into a plastic sheet and provided with a drying agent. The machine will be shipped in a sea freight container.



### NOTICE!

The drying agent is designed for storage of 3 months and has to be renewed if the machine is stored for a longer time.



*Prior to shipment, a transport insurance contract may be concluded following consultation.*

#### ■ Storage conditions

Closed and dry room with a room temperature between -25°C and +55°C.

Upon delivery, the packaging of the machine and spare or replacement parts is designed for storage of 3 months.

## 5.2 Unloading and transport to the place of installation



### WARNING!

- Make sure that the lifting equipment is designed to carry the weight of the machine. Chains, ropes, hooks, lifting eyes and cross members must be designed to carry the weight of the machine as well.
- If no lifting equipment is available, a transport company has to be engaged for unloading and transporting the machine.
- Pay attention to the machine's centre of gravity. The machine must be secured before being transported.
- Avoid shocks and pay attention to hoses on the earthing plate. There is a **risk of injury and machine damage**.
- It is forbidden to stay under suspended loads!

**When unloading, proceed as follows:**

- Unload the machine from the truck using the appropriate means of transport.
- Remove the transport material.
- Remove all loose and additional parts and transport them separately.
- Lift up the machine and transport it to the place of installation.

**Transport using a pallet truck**

Lift up the machine using a pallet truck.

- Make sure that the fork reaches entirely underneath the machine and, for safety reasons, protrudes on the other end.
- Make sure that the foot pedal, cables, hoses etc. are not damaged during transport.

### 5.3 Transport safeguard

#### Universal finisher

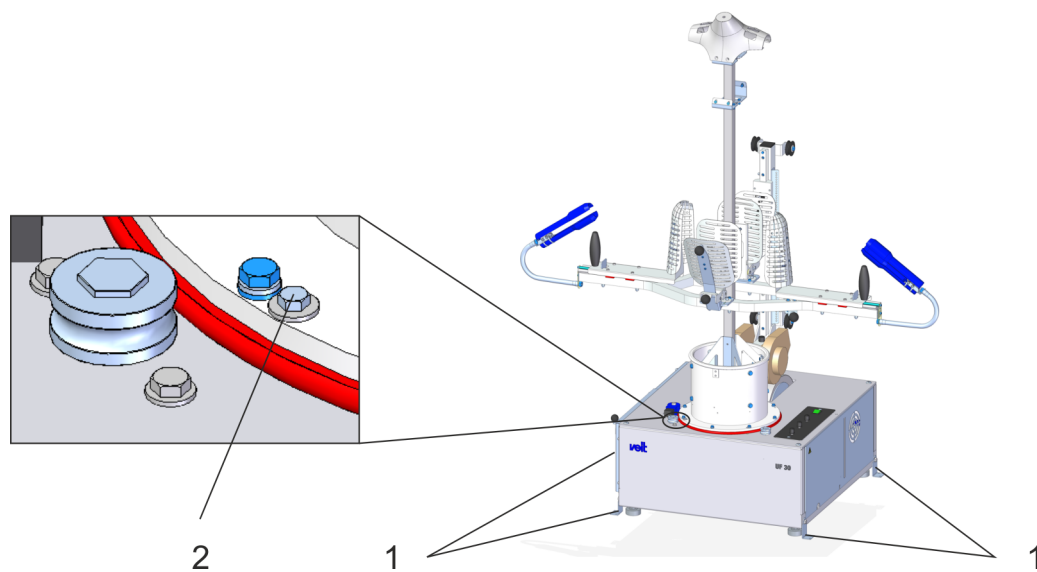


Fig. 11: Transport safeguards of universal finisher

- 1 Transport safeguard (angle bracket)
- 2 Screw

## Universal finisher with garment attachment

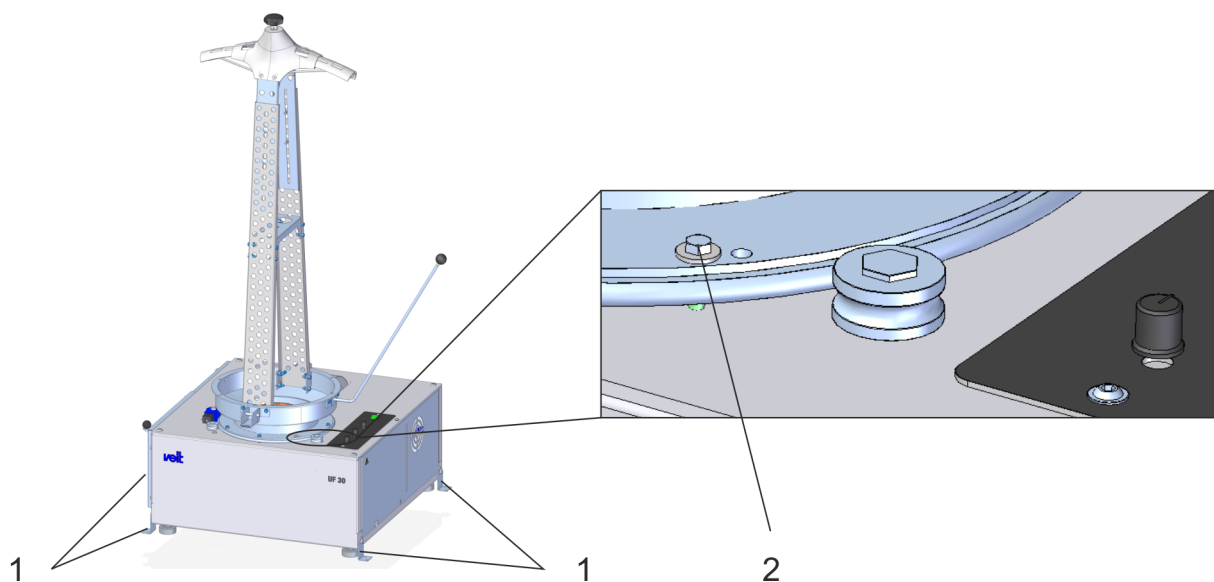


Fig. 12: Transport safeguards universal finisher with garment attachment

- 1 Transport safeguard (angle bracket)
- 2 Screw

Prior to transport, the machine has to be secured as follows:

1. ➤ Switch off the machine and unplug the mains connector.
2. ➤ Remove the supply lines for steam and condensate drain.



### CAUTION!

Cut off the steam supply.

- Cut off the valve for the steam supply.
- Depressurise the steam system by starting the machine.
- Make sure that no steam emerges from the machine.



### WARNING!

#### Risk of burns

Make sure that the garment attachment as well as all parts connected to steam and condensate have cooled down.

3. ➤ Secure the garment attachment using the screw (2).
4. ➤ Attach the machine to a suitable pallet using 4 angle brackets (1).

## 6 Installation

### 6.1 Setup

The machine will be set up, assembled and installed by skilled personnel of VEIT GmbH or by skilled personnel provided by the customer. In case of subsequent deliveries, the subassemblies must be disassembled or assembled by skilled personnel only.

- Make sure that the statics of the building are designed to carry the weight of the machine.
- The device has to be set up on an even surface.
- An electrical connection must be available.
- For machines without steam generator (DE), steam supply connections and the condensate connection must be available.
- Make sure that there is enough space around the machine to carry out service and maintenance work.



#### NOTICE!

If the place of installation does not comply with the intended use, rebuilding measures must be taken to ensure a higher protection class (see chapter "Technical data").

#### 6.1.1 Adjusting the device feet

Open the counter nut (upper nut) and adjust the height using the lower nut. Place a spirit level on the machine frame and adjust the machine by moving the lower nut in the X and Y directions.

## 6.2 Installation

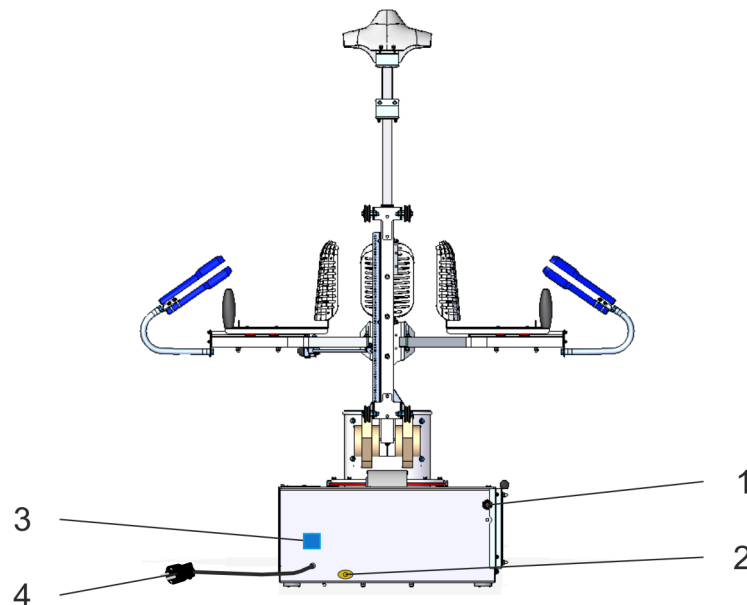


Fig. 13: Supply connections on the machine back side

- 1 Steam connection
- 2 Condensate connection
- 3 Socket for iron
- 4 Connection cable

### 6.2.1 Power supply connection

Connect the UF30 universal finisher to the power supply system.

The machine is provided with a connector. The connector must be freely accessible and must not be blocked. Direct connection without connector is not permissible.

Connection to the mains must be protected on site. The regulations of the local distribution system operators (DSO) must be observed. For the connection and protection on the line side, please refer to the data in the circuit diagram or on the type plate.

The connecting cable must be laid in order not to contact hot steam and condensate lines and such that operating persons cannot trip over.



#### CAUTION!

Observe the input voltage.

The machine must only be operated with the voltage and current indicated on the type plate.

Make sure to observe the mains frequency.



## WARNING!

Work on electric supply lines must only be carried out by a qualified electrician. Unplug the mains disconnecting device prior to opening the machine. Danger to life.



## WARNING!

### Mains disconnecting device

The mains disconnecting device of the machine is the connector of the mains connection cable.

The plug must be freely accessible and must not be blocked.

In the event of danger, unplug the mains disconnecting device (unplug the connector) to stop the machine or use the appliance switch to switch off the machine.



## NOTICE!

### Residual current circuit breaker

If, on the mains side, an RCCB (residual current circuit breaker) is located in the circuit to which the machine is connected, it must be "sensitive to universal current" (type B).

Typ B  



## NOTICE!

### Electrical connection ratings

For the electrical connection ratings, please refer to .



## 6.2.2 Condensate connection

The UF30 universal finisher is connected to a condensate line using a spherical condensate drain.



### NOTICE!

**The use of other condensate drains is not permitted and may lead to malfunctions.**

We therefore recommend using the mounting kit (see information leaflet 8355-001). ↗ *Chapter 6.3 'Information Leaflet 8355-001' on page 39*



### WARNING!

**Shut-off valve at the steam connection and condensate line**

The steam connection and condensate lines must be provided with a shut-off valve.



### CAUTION!

The steam and condensate connections must be designed in accordance with the applicable technical regulations.



### CAUTION!

**Risk of burns, hot steam**

During operation, there is a risk of serious skin burns.

- Do not touch the hot metal surfaces.
- Do not reach into the hot flow of steam or air.
- Do not touch the steam and condensate lines.

## 6.2.3 Steam connection

The UF30 universal finisher is connected to a water steam supply.

For connection to the water steam supply, we recommend using the mounting kit (see information leaflet 8355-001). ↗ *Chapter 6.3 'Information Leaflet 8355-001' on page 39*



### **WARNING!**

#### **Shut-off valve at the steam connection and condensate line**

The steam connection and condensate lines must be provided with a shut-off valve.



### **CAUTION!**

The steam and condensate connections must be designed in accordance with the applicable technical regulations.



### **CAUTION!**

#### **Risk of burns, hot steam**

During operation, there is a risk of serious skin burns.

- Do not touch the hot metal surfaces.
- Do not reach into the hot flow of steam or air.
- Do not touch the steam and condensate lines.

Steam must be connected in accordance with the applicable technical regulations.

The steam and condensate lines leading to the machine must be provided with a shut-off valve. These shut-off valves must be installed close to the machine so that the operating person may quickly disconnect the steam and condensate lines in the event of danger.

The steam and condensate lines must be laid such that there is no risk of tripping over.

## 6.3 Information Leaflet 8355-001

### Connection Unit CR Finish

Article Number:

- 2835520000 (1000 mm) und
- 2835520020 (2000 mm)

Tab. 8: Parts list/legend

| Item | Article Number | Designation  | QTY. |
|------|----------------|--|------|
| 1    | 9290650380     | Capsule condensate drain R1/2"                             | 1    |
| 2    | 4232110190     | Dirt trap 1/2"   | 1    |
| 3    | 9411010620     | Double nipple no.280 1/2" SZ                               | 1    |
| 4a   | 2140110090     | Reinfor.hose w/insul.1/2"X1000                             | 2    |
| 4b   | 8250000850     | Reinfor.hose w/insul.1/2"X2000                             | 2    |
| 5    | 2191110100     | Connection fitting part 1/2" ins.-outs. brass inside conic | 1    |
| 6    | 4310010170     | Double nipple 1/2" hexagon brass inside conical            | 3    |
| 7    | 4310010040     | Sealing tape teflon  | 1    |
| 8    |                | Information leaflet 8355-001                               |      |
| A    |                | Direction of fluid   |      |

### Steam inlet

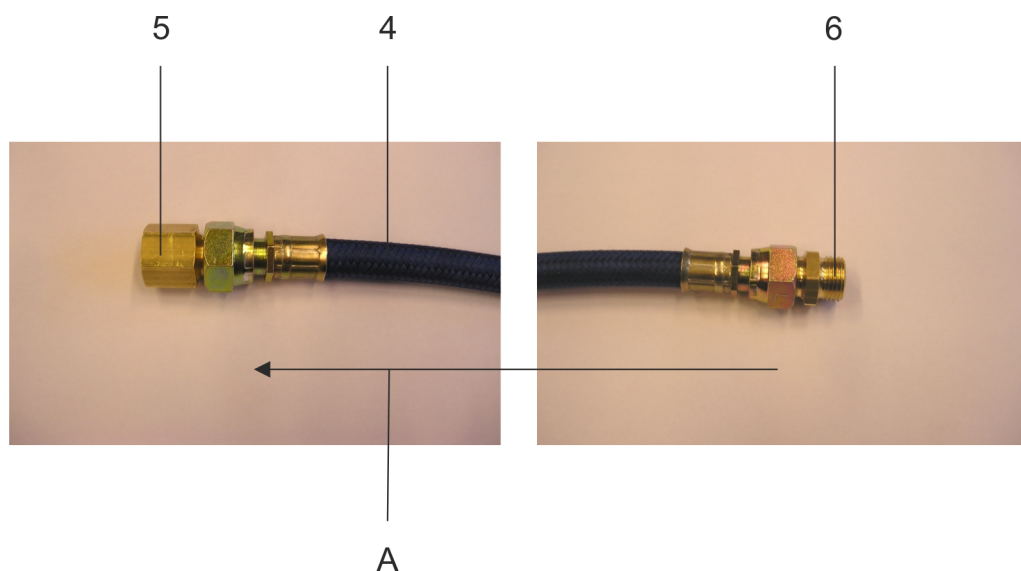


Fig. 14: Steam inlet

## Condensate outlet

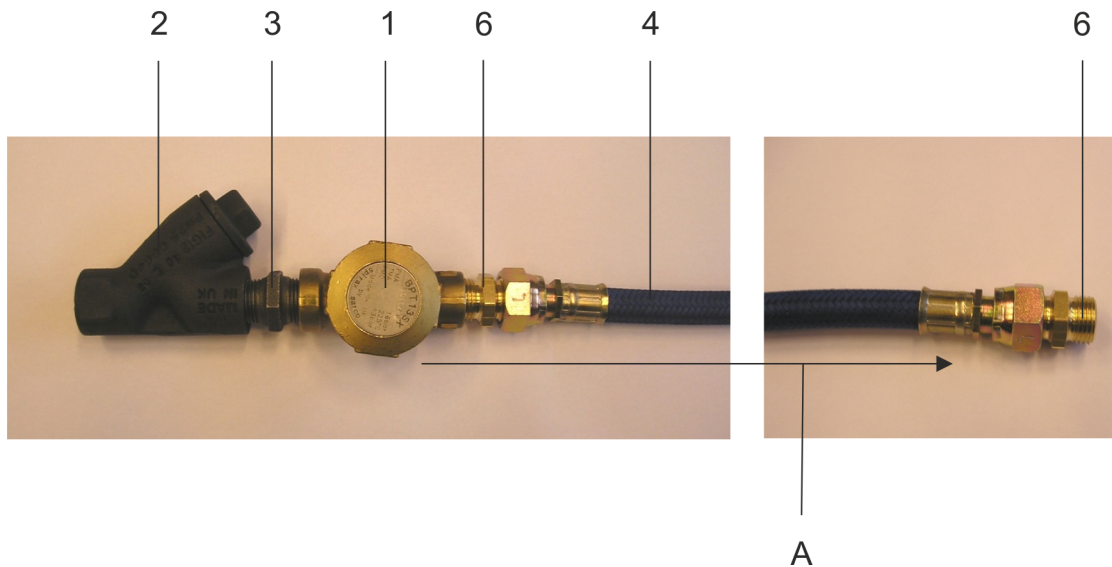


Fig. 15: Condensate outlet

## 6.4 Commissioning



### CAUTION!

#### Commissioning and test run

Incorrect commissioning of the UF30 universal finisher may result in injuries, and damage to the equipment or environment.

- Only qualified personnel may commission the UF30 universal finisher, especially with regard to initial start-up.
- Secure the UF30 universal finisher against unauthorised start-up.
- After the UF30 universal finisher has been connected to the electrical systems and to the steam and condensate lines, instructed personnel continues commissioning.

When commissioning the device, proceed as follows:

1. ➤



## CAUTION!

Remove the transport safeguards (see chapter "Transport safeguards").

2. ➤

Place the cover on bust.

3. ➤

Open the condensate shut-off valve.

4. ➤

**Slowly** open the shut-off valve of the steam supply (see chapter "Installation").

5. ➤

Activate the appliance switch.

6. ➤

After a heating time of approximately 15 minutes, the machine is ready to operate.

7. ➤

Check the lines for leaks.



## WARNING!

### Risk of burns due to hot steam

- Proceed with caution when carrying out steaming tests without garment.
- Keep your distance.

## 6.4.1 Placing the cover

Set the shoulder width to the smallest width. Starting at the hem, move the cover over the two arms and pull it over the shoulder buck. Make sure that the reinforced parts are positioned correctly.

Pull the cover over the circumferential bead at the top edge of the slewing ring and tighten using a strap.

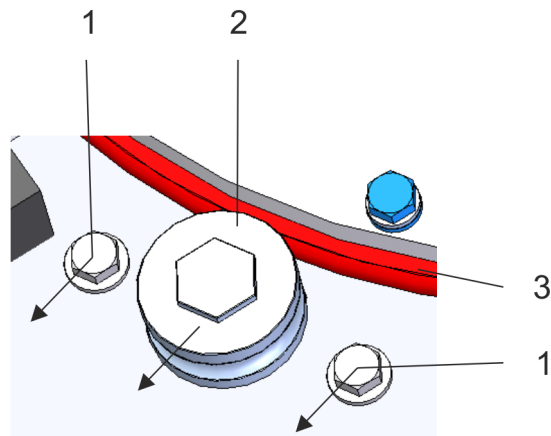
## 6.4.2 Air volume metering system

There is a slider on the left side of the basic unit that can be used for continuously adjust the air volume. Fig. 20, Fig. 19

If the slider is at the front end position, the maximum air volume is set. At the rear end position, the minimum air volume is set.

The air volume must be set depending on the material and the desired finishing quality.

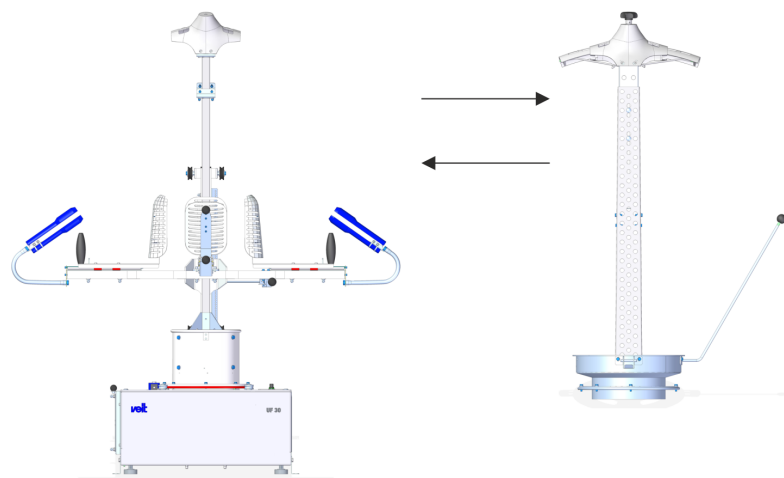
## 6.5 Exchanging the garment attachment



*Fig. 16: Roller of the garment attachment*

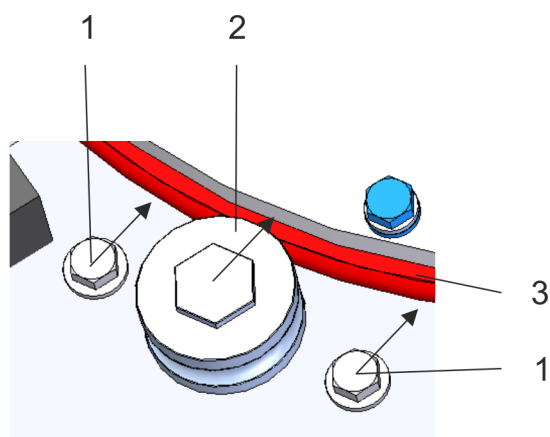
- 1 Screw
- 2 Roller
- 3 Guiding ring

1. ➡ Loosen the two screws.
2. ➡ Move the roller away from the guiding ring in the direction of the arrow.



*Fig. 17: Exchanging the garment attachment*

3. ➡ Exchange the garment attachment.



*Fig. 18: Roller of the garment attachment*

- 1 Screw
- 2 Roller
- 3 Guiding ring

4. ➡ Move the roller towards the guiding ring in the direction of the arrow.
5. ➡ Tighten the two screws.



*You must be able to easily rotate the garment attachment by hand. Readjust the roller, if necessary.*

## 7 Operation

### 7.1 Controls and indicators

#### Universal finisher

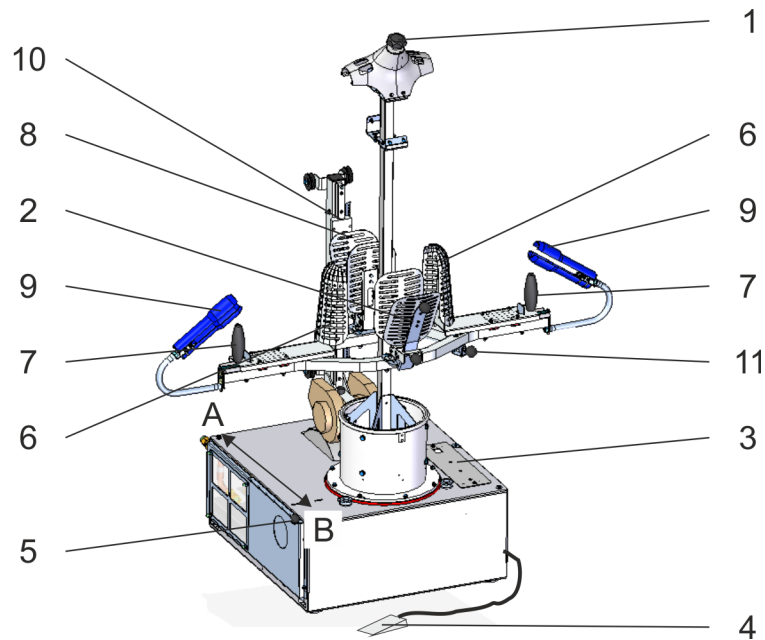
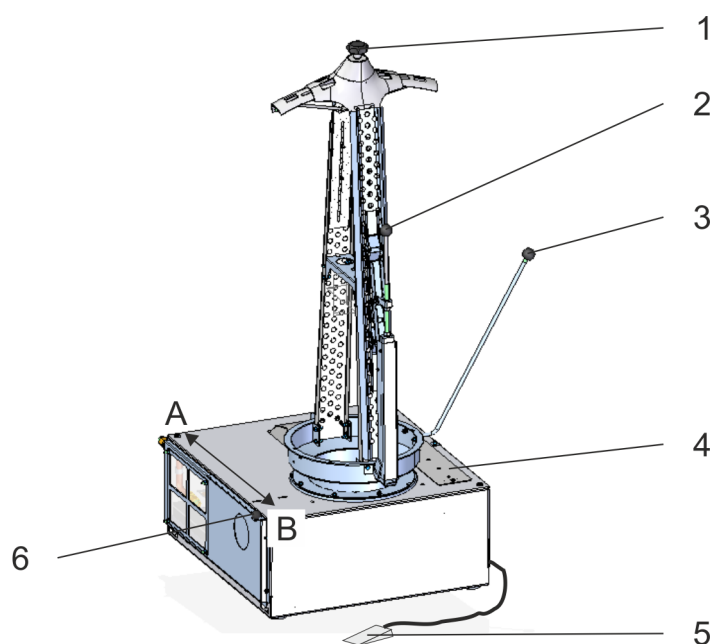


Fig. 19: Controls and indicators of the universal finisher

- |                                    |  |
|------------------------------------|--|
| 1 Adjustable shoulder width        | 8 Back stretcher                       |
| 2 Front stretcher                  | 9 Sleeve stretcher                     |
| 3 Control panel                    | 10 Height stretcher                    |
| 4 Foot pedal                       | 11 Locking device for height stretcher |
| 5 Air volume metering system       | A Air volume, minimum                  |
| 6 Side stretcher                   | B Air volume, maximum                  |
| 7 Locking lever for side stretcher |  |



## Universal finisher with garment attachment



*Fig. 20: Controls and indicators of the Universal finisher with garment attachment*

- |   |                           |   |                            |
|---|---------------------------|---|----------------------------|
| 1 | Adjustable shoulder width | 5 | Foot pedal                 |
| 2 | Front stretcher           | 6 | Air volume metering system |
| 3 | Handle                    | A | Air volume, minimum        |
| 4 | Control panel             | B | Air volume, maximum        |

|              |  |
|--------------|--|
| <b>1</b>     | <b>Adjustable shoulder width</b><br>Use a star handle to adjust the shoulder width for the garment to be processed.  |
| <b>2</b>     | <b>Front stretcher</b><br>Use a ball handle to press the front pressure clamp on the garment until the locking mechanism snaps in and the garment is stretched.  |
| <b>3</b>     | <b>Handle</b><br>The handle is used to rotate the bust.  |
| <b>4</b>     | <b>Control panel</b><br><i>☞ Chapter 7.1.1 'Control panel' on page 47</i>  |
| <b>5</b>     | <b>Foot pedal</b><br>Pressing the foot pedal starts the operating cycle.   |
| <b>6</b>     | <b>Air volume metering system</b><br>The air volume metering system is used to continuously adjust the air volume. <ul style="list-style-type: none"> <li>■ Rear end position (A) = Minimum air volume</li> <li>■ Front end position (B) = Maximum air volume</li> </ul> |
| <b>7/8</b>   | <b>Side stretcher</b><br>Move the side stretchers to adjust the width. Press and hold the locking lever and move the side stretcher carriage to the correct position. Release the lever again to lock the lever in this position.  |
| <b>9</b>     | <b>Back stretcher</b><br>Use a ball handle to press the back pressure clamp on the garment until the locking mechanism snaps in and the garment is stretched.  |
| <b>10</b>    | <b>Sleeve stretcher</b><br>Press the sleeve stretchers together. Position them in the sleeve ends and release. Adjust the position of the arms via the flexible sleeve stretcher carriers.   |
| <b>11/12</b> | <b>Height stretcher</b><br>The carrier frame of the stretchers can be moved vertically and locked. This finally stretches the garment tightly.   |

## 7.1.1 Control panel

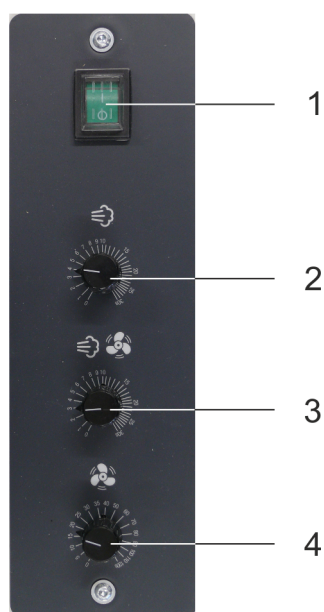





Fig. 21: Control panel

- 1 Appliance switch
- 2 Potentiometer for steam
- 3 Potentiometer for steam/hot air
- 4 Potentiometer for hot air

|   |          |   |
|---|----------|---|
|   | <b>1</b> | <b>ON/OFF appliance switch with indicator light</b><br>Pressing the “ON/OFF” appliance switch switches the machine on or off.<br>■ Indicator light off = Machine switched off<br>■ Indicator light on = Machine switched on |
|  | <b>2</b> | <b>Steam (potentiometer)</b><br>Sets the steaming time  |
|  | <b>3</b> | <b>Steam/hot air (potentiometer)</b><br>Sets the steaming/hot air time  |
|  | <b>4</b> | <b>Hot air (potentiometer)</b><br>Sets the hot air time   |

## 7.2 Starting the machine

Switch on the appliance switch.

### 7.3 Operating the machine

#### 7.3.1 Operating the universal finisher

Check the settings for the 3 timers for the steam, steam/hot air, and hot air program cycles and change, if necessary.

Set the appliance switch to on.

Pull the garment over the shoulder component and clamp it into the stretching devices. Adjust the shoulder width.

Press and hold the locking lever. Extend the side stretchers to stretch the waist.

Move the height adjustment device down until reaching the desired stretching level, then lock.

Press the foot pedal to start the program cycle.

Once the program cycle has ended, release the front/back stretchers and the height adjustment locking mechanism. Retract the side stretchers, if necessary, and remove the garment from the bust.

#### 7.3.2 Operating the universal finisher with garment attachment

Check the settings for the 3 timers for the steam, steam/hot air, and hot air program cycles and change, if necessary.

Set the appliance switch to on.

Pull the garment over the shoulder component and clamp it into the stretching devices. Adjust the shoulder width.

Press the foot pedal to start the program cycle.

## 8 Maintenance and cleaning

### Maintenance and cleaning



#### CAUTION!

The **maintenance and cleaning** chapter is intended for qualified personnel only. Maintenance, cleaning and repair work must only be carried out by skilled personnel (definition see ). Operating and maintenance personnel will be instructed on site by personnel of VEIT GmbH unless otherwise agreed in the purchase contract.

To assure faultless operation of the machine, it is indispensable that the machine is cleaned and maintained at regular intervals.

Appropriate workshop equipment is always required for any kind of maintenance work.

During operation, the machine is subject to vibration which might cause screwed and clamped connections to loosen. To prevent damage, the machine must be checked at regular intervals for loose connections (recommendation: every three months).



#### CAUTION!

- When carrying out installation work above body height, use the ladders or working platforms provided or a ladder/working platform that meets the required safety standards. Do not mount on any components of the machine. A safety harness should be worn during maintenance work at heights.
- Secure the maintenance area ensuring the provision of adequate space.
- Inform operating personnel before starting maintenance work. Specify a person to supervise the work.
- The exchange parts must be disposed of in accordance with the local environmental regulations.



#### CAUTION!

Before starting cleaning, maintenance or repair work (by skilled personnel only), the shutdown procedure ( ) must be observed.

Disregarding these procedures presents a risk of death or injury of the personnel.

### 8.1 Cleaning

Remove oil and grease from the machine at regular intervals, in particular before carrying out maintenance and repair work.



#### CAUTION!

Do **not** use the following:

- Chlorinated hydrocarbon, e.g. PER or TRI
- Inflammable, easily gasifying or caustic liquids

Do not clean the machine with compressed air or a steam or water jet **under any circumstances**. Violations of the above instructions may lead to malfunctions of the machine, in particular with regard to the safety functions. This might result in a machine damage or injuries.

Clean the machine using a lint-free cloth.

## 8.2 Maintenance and inspection table

| Inspection and maintenance schedule |  |                              |   |
|-------------------------------------|--|------------------------------|---|
| Interval                            | Part to be inspected   | Work to be carried out       | Remarks   |
| 40 hrs                              | Entire machine   | Clean                        | Wipe using a clean, lint-free cloth.  |
|                                     | Switch and switch fasteners  | Function check               | Check and replace, if necessary.  |
|                                     | Stretcher guide mechanism  | Visual inspection            | If any parts are worn, they must be replaced immediately to avoid consequential damage. |
|                                     |  | Clean and remove moisture    | Wipe using a clean, lint-free cloth.  |
|                                     |  | Apply silicone spray         |   |
|                                     | Fluff filter   | Visual inspection            | Clean from the outside using a vacuum cleaner.  |
|                                     | Dirt separator at steam inlet  | Visual inspection            | Check and clean, if necessary.  |
|                                     | Cable of foot pedal  | Visual inspection            | If any parts are worn, they must be replaced immediately to avoid consequential damage. |
| 160 hrs                             | <ul style="list-style-type: none"> <li>Steam valves</li> <li>Hoses and screw connections</li> </ul>                          | Leak test                    | Check and replace, if necessary.  |
|                                     |  | Check the setting values     | Check and adjust, if necessary.   |
| Every year                          | All connections <ul style="list-style-type: none"> <li>Heating register</li> <li>Steam dryer</li> <li>Steam hoses</li> </ul> | Leak test                    | Check and replace, if necessary.  |
|                                     |  | Corrosion on mounting clamps | Check and replace, if necessary.  |
|                                     |  | Tightness                    | Check and replace, if necessary.  |
|                                     | Fan wheel  | Visual inspection            | Wipe using a clean, lint-free cloth.  |
| If required                         | Covers of bust, pressure clamps and sleeve clamps  | Visual inspection            | Clean, wash or replace, if necessary, to achieve an optimum finishing or drying result. |
|                                     | Moving components  | Function check               | Check for smooth function.  |

## 9 Remedy of faults / elimination of defects



### CAUTION!

The facts and information listed as **faults** in this chapter are described in such a way that they may be eliminated by an instructed person.

If a fault cannot be remedied, a **skilled person** must be informed.

These members of personnel must be provided with the necessary tools and test equipment.

Before starting maintenance and repair work, the shutdown procedures ↗ *Chapter 4.4 'Abschaltprozeduren' on page 29* have to be carried out.

If the remedial measures described here are not successful, please contact the VEIT GmbH service department.



### WARNING!

#### Prior to opening the machine

The following must be performed prior to opening the device:

- Unplug the mains connector
- Lock the steam and condensate lines
- Allow the device to cool down

### 9.1 Fault, cause, remedy



### CAUTION!

The facts and information listed as **faults** in this chapter are described in such a way that they may be eliminated by an **instructed person**. If a fault cannot be remedied, a **skilled person** must be informed.

| Fault                      | Cause                            | Remedy  |
|----------------------------|----------------------------------|---|
| No function on the machine | Appliance switch is switched off | Switch on the appliance switch.                         |
|                            | No mains voltage available       | Check the mains connection and establish, if necessary. |



## 9.2 Defect, cause, remedy



### CAUTION!

The facts and information listed as **defects** in this chapter are described in such a way that they may be eliminated by a **person skilled** in

- Electrics/electronics
- Mechanics/maintenance

The machine components mentioned in the "Cause" column are detailed in the supplied electric circuit and pneumatic diagrams.

| Defect                      | Cause   | Remedy  |
|-----------------------------|---|---|
| No function on the machine  | Electrical supply line not connected properly | Check the assignment and the connection.      |
|                             | Power supply unit defective                   | Check and replace, if necessary.              |
|                             | Appliance switch defective                    | Check and replace, if necessary.              |
| No steam                    | No steam or not enough steam available        | Check the steam supply.                       |
|                             | Supply line dirty                             | Clean and replace, if necessary.              |
|                             | Steam nozzle dirty                            | Clean and replace, if necessary.              |
|                             | Steam valve incorrectly set or defective      | Check and set again or replace, if necessary. |
| Steam too moist             | Shut-off valve of the condensate drain closed | Open the shut-off valve.                      |
| Blowing air is insufficient | Fluff filter dirty                            | Check and clean, if necessary.                |
|                             | Fan wheel dirty                               | Check and clean, if necessary.                |
|                             | Potentiometer defective                       | Check and replace, if necessary.              |
|                             | Phase-fired control defective                 | Check and replace, if necessary.              |
| Fan motor not running       | Motor contactor defective                     | Check and replace, if necessary.              |

## 10 Emergency

In the event of danger the machine must be shut down safely. In case of emergency:

- Switch off the “ON/OFF” appliance switch on the control panel
- Unplug the mains connector

The following procedure is triggered:

- Escape of steam is cut off
- The fan is switched off

In **the event of fire** switch off the machine and unplug the mains connector.

Disconnect all energy supply lines:

- Steam



### CAUTION!

Before operating the machine:

- Be sure that you know where the fire extinguisher is located
- Learn how to use the fire extinguisher
- Make sure you know how to report a fire quickly

There is a risk of fire caused by flammable liquids and liquid/gas mixtures (e.g. oil/oxygen mixture), for example.

Extinguishers that can be used according to fire class DIN EN 2:

- Powder extinguisher with ABC extinguishing powder for solids, liquids and gases
- Powder extinguisher with D extinguishing powder for flammable metals
- Carbon dioxide extinguisher for liquids, gases and solids

## **11 Disassembly and disposal**

The finisher is mainly built of steel (apart from the electrical equipment) and must be disposed of in accordance with applicable local environmental regulations. Oils and solvents must be disposed of in accordance with the local regulations. Any residues from production and cover material must be disposed of in accordance with the instructions of the material manufacturer or the local regulations.

## 12 Spare parts lists



### CAUTION!

Please note that only accessories and spare parts from VEIT GmbH may be used. VEIT GmbH cannot be held liable for damages resulting from using non-genuine accessories and non-genuine parts.

For all enquiries or orders in writing or on the phone, please always quote:

- Type of machine
- Article number of the machine
- Article number of the relevant component (see chapter "Spare parts lists")
- Serial number
- Year of construction

### 12.1 Spare parts list

#### Machine frame, inside

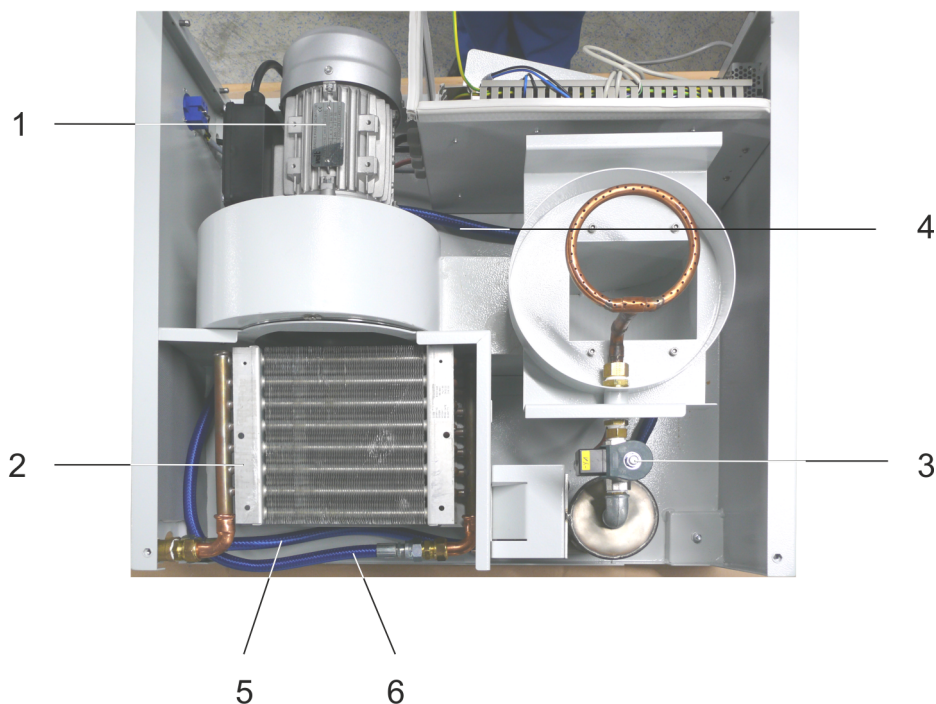


Fig. 22: Machine frame, inside

## Check valve



7

Fig. 23: Check valve

## Universal finisher

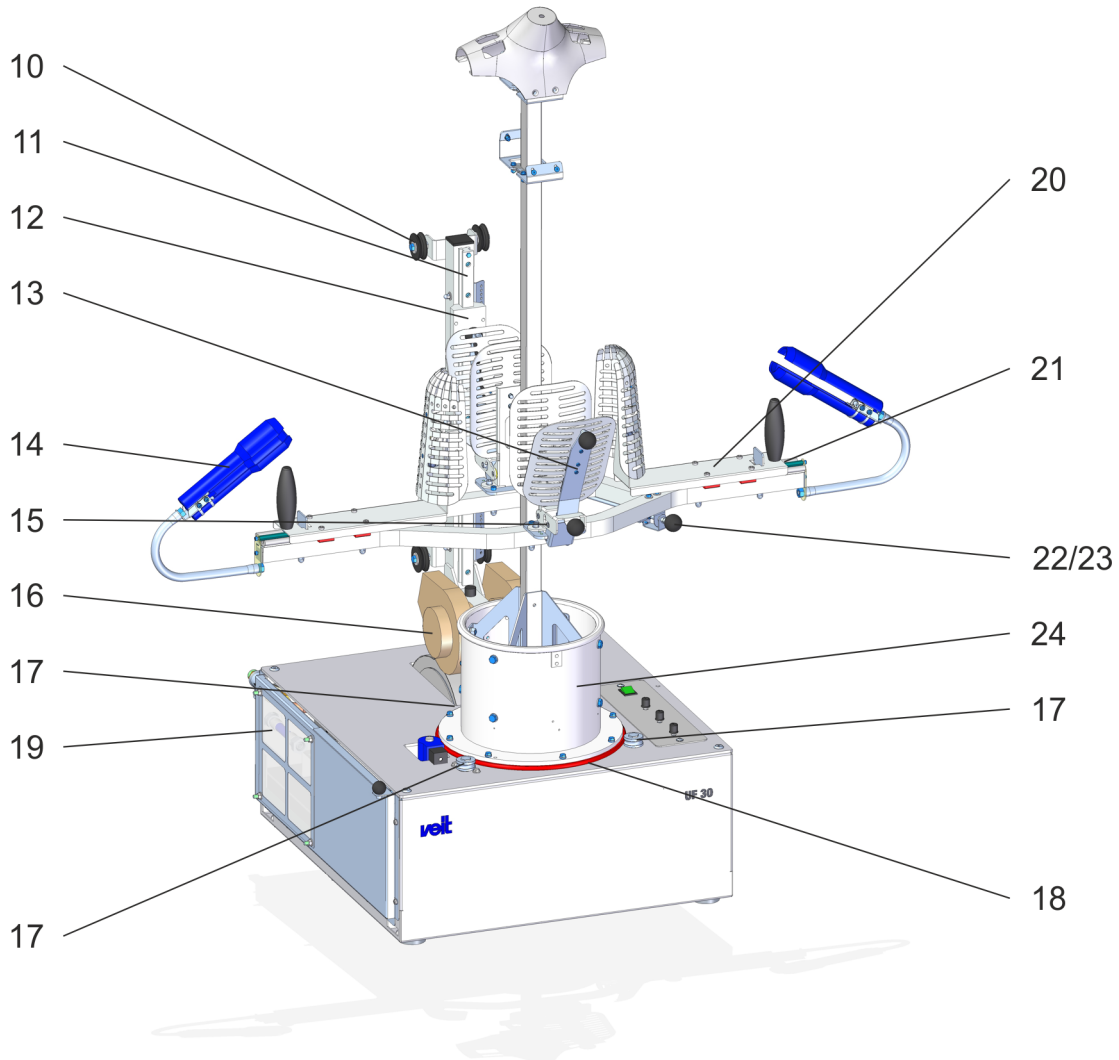


Fig. 24: Spare parts for universal finisher

## Universal finisher with garment attachment

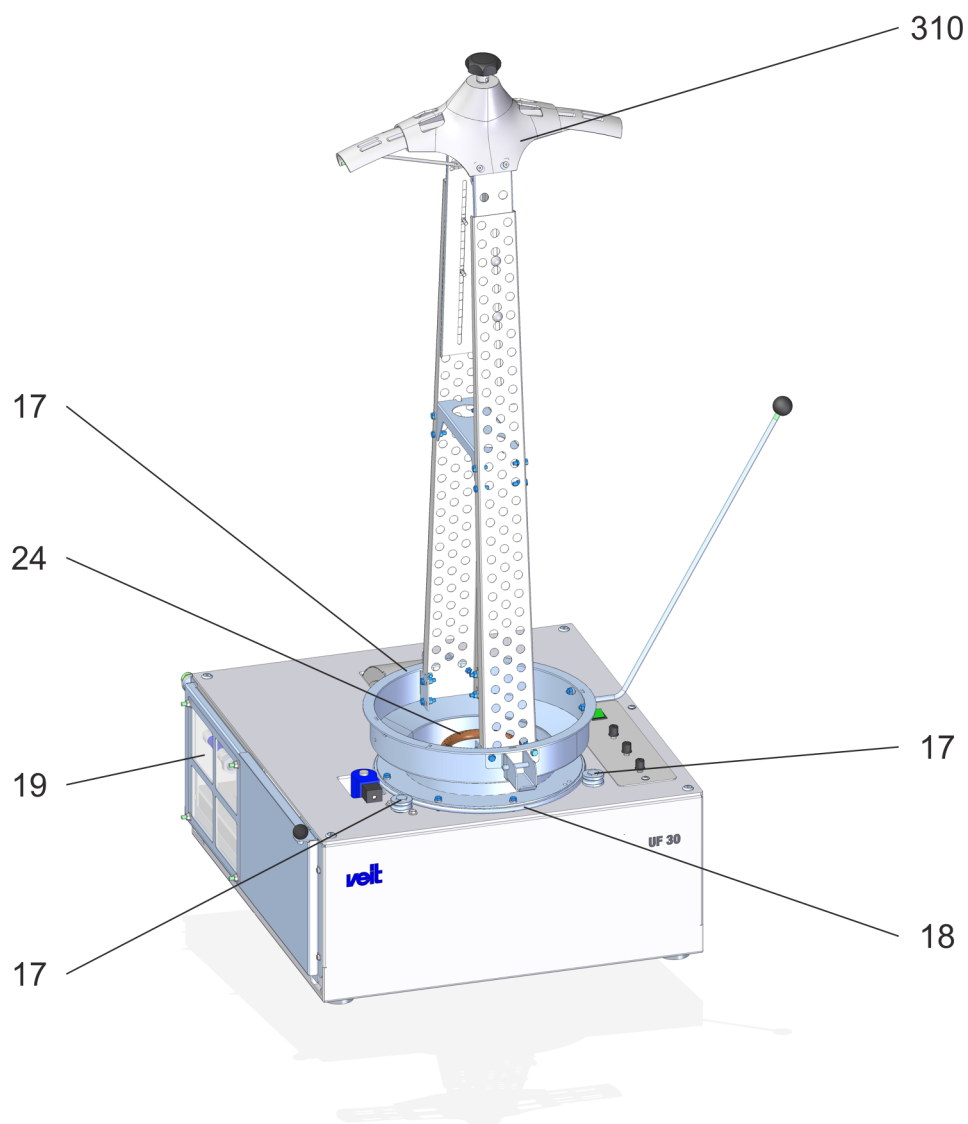


Fig. 25: Spare parts for universal finisher Universal finisher with garment attachment

## Spare parts lists

Spare parts list

### Control panel

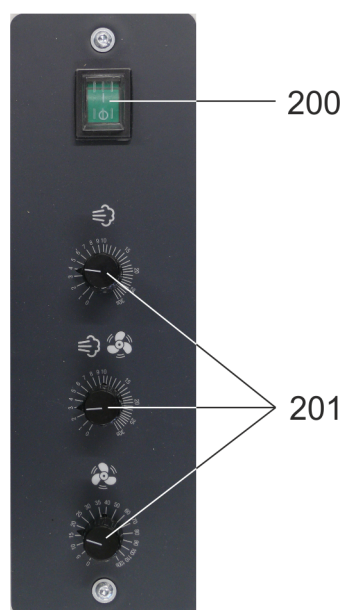


Fig. 26: Control panel

### Foot pedal

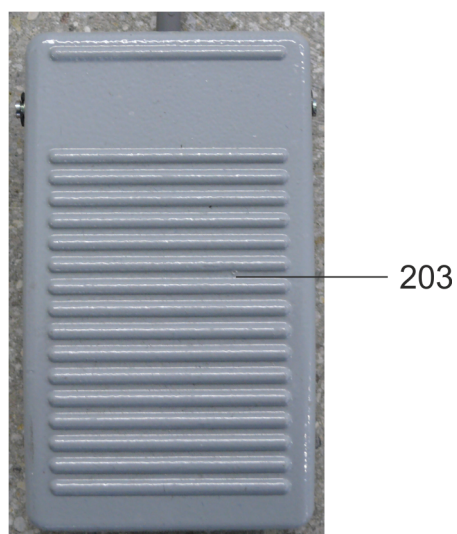


Fig. 27: Foot pedal



## Socket

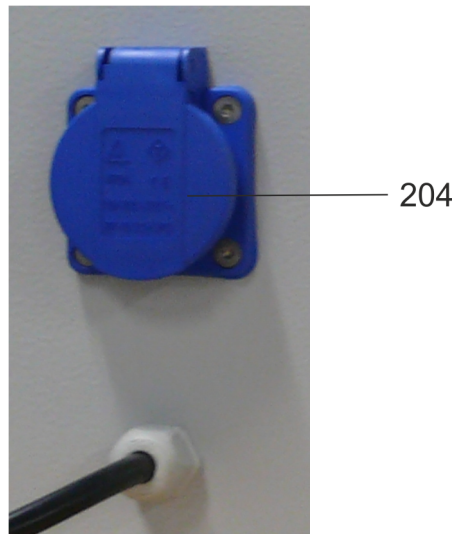


Fig. 28: Socket

## Switch cabinet

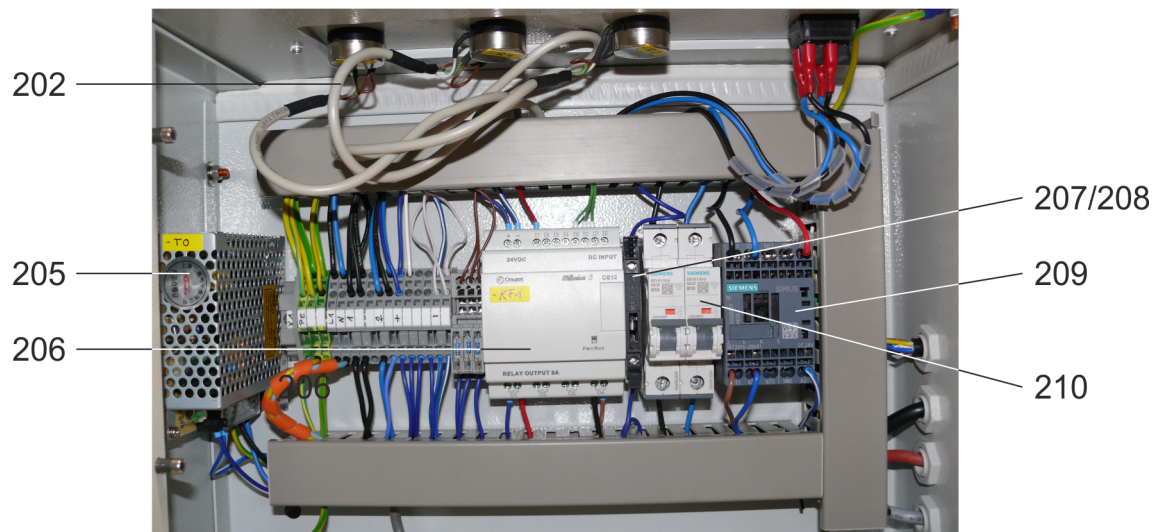


Fig. 29: Switch cabinet

## Covers for universal finisher

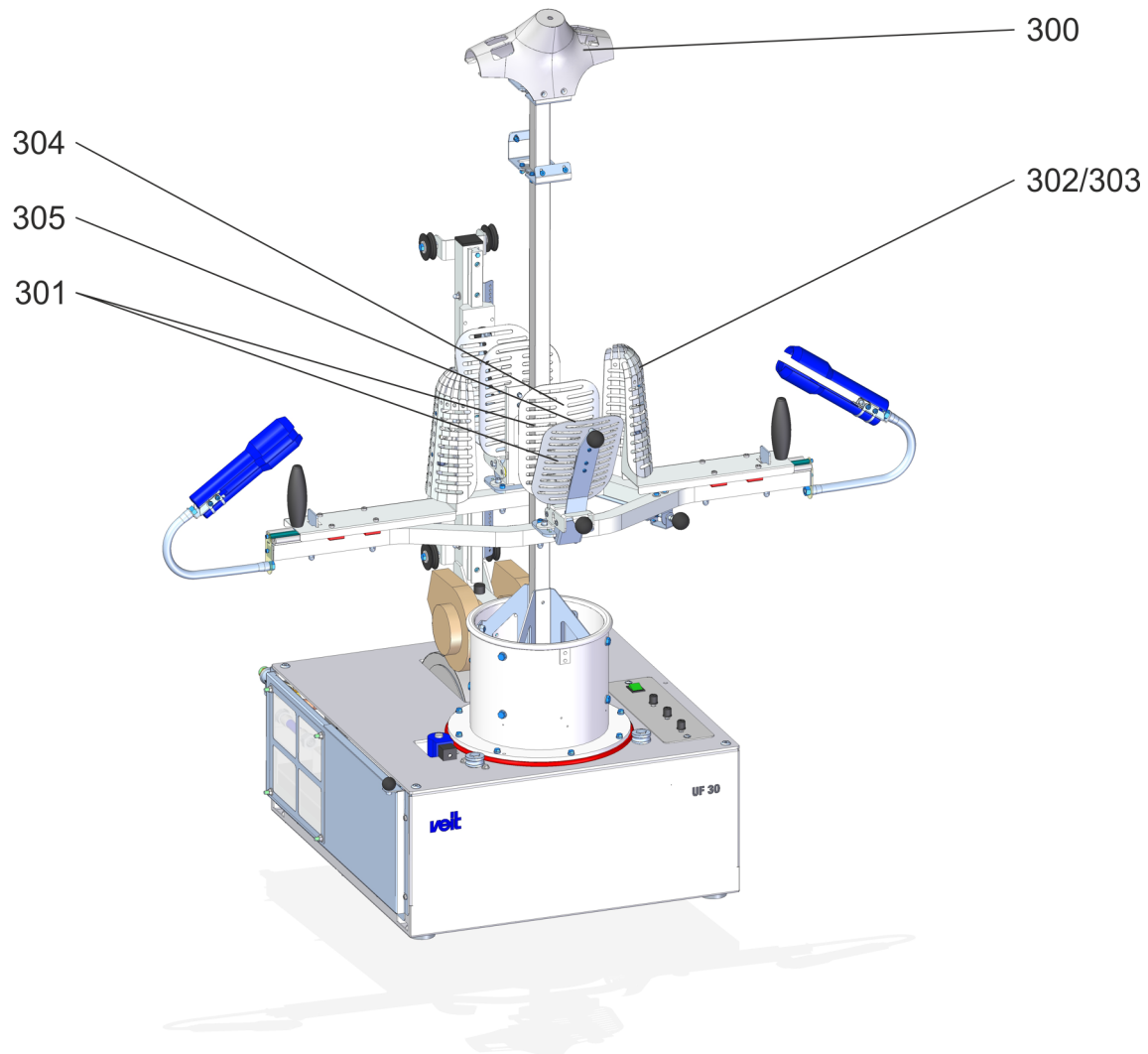


Fig. 30: Covers for universal finisher

Tab. 9: Spare parts, mechanics

| Item | Article number | Designation                           |
|------|----------------|---------------------------------------|
| 1    | 165490         | Motor                                 |
| 2    | 165804         | Heating register                      |
| 3    | 4831530170     | EMV DAMPF NW8 200-254V50-60           |
|      | 4283210000     | Coil                                  |
| 4    | KS20800        | Tetraflex 1/2" 800                    |
| 5    | KS20400        | Tetraflex 1/2" 400                    |
| 6    | KS20600        | Tetraflex 1/2" 600                    |
| 7    | 110337         | Check valve                           |
| 10   | 4841010170     | Guide roller of spring balancer       |
| 11   | 114180         | Rail for vertical guiding unit        |
| 12   | 4841010470     | Carriage for vertical guiding unit    |
| 13   | 119680         | Flat spring for front stretcher       |
| 14   | 5835010150     | Sleevefix (pair)                      |
| 15   | 114285         | Tension spring for front stretcher    |
| 16   | 120688         | Spring balancer                       |
| 17   | 108877         | Guide roller, concentric              |
| 18   | 109748         | Guiding ring                          |
| 19   | 165711         | Fluff filter                          |
| 20   | 119734         | Rail and carriage for side stretcher  |
| 21   | 119741         | Pressure spring for side stretcher    |
| 22   | 114297         | Collar bushing for locking mechanism  |
| 23   | 120699         | Pressure spring for locking mechanism |
| 24   | 120691         | Spray ring                            |

## Spare parts lists

Spare parts list

Tab. 10: Spare parts, electrics

| Item | Article number | Designation                     |
|------|----------------|---------------------------------|
| 200  | 4791450090     | Appliance switch                |
| 201  | KE01930        | Potentiometer knob              |
| 202  | 166606         | Potentiometer cable             |
| 203  | KE10055        | Foot pedal                      |
| 204  | 4400001390     | Schuko built-in socket          |
| 205  | 167069         | Switched-mode power supply unit |
| 206  | 166245         | CB12 Crouzet PLC                |
| 207  | 9230350850     | Locking clamp                   |
| 208  | KE00082        | Fine-wire fuse 2.5 A            |
| 209  | 9290752080     | Contactator                     |
| 210  | 132804         | Circuit breaker                 |

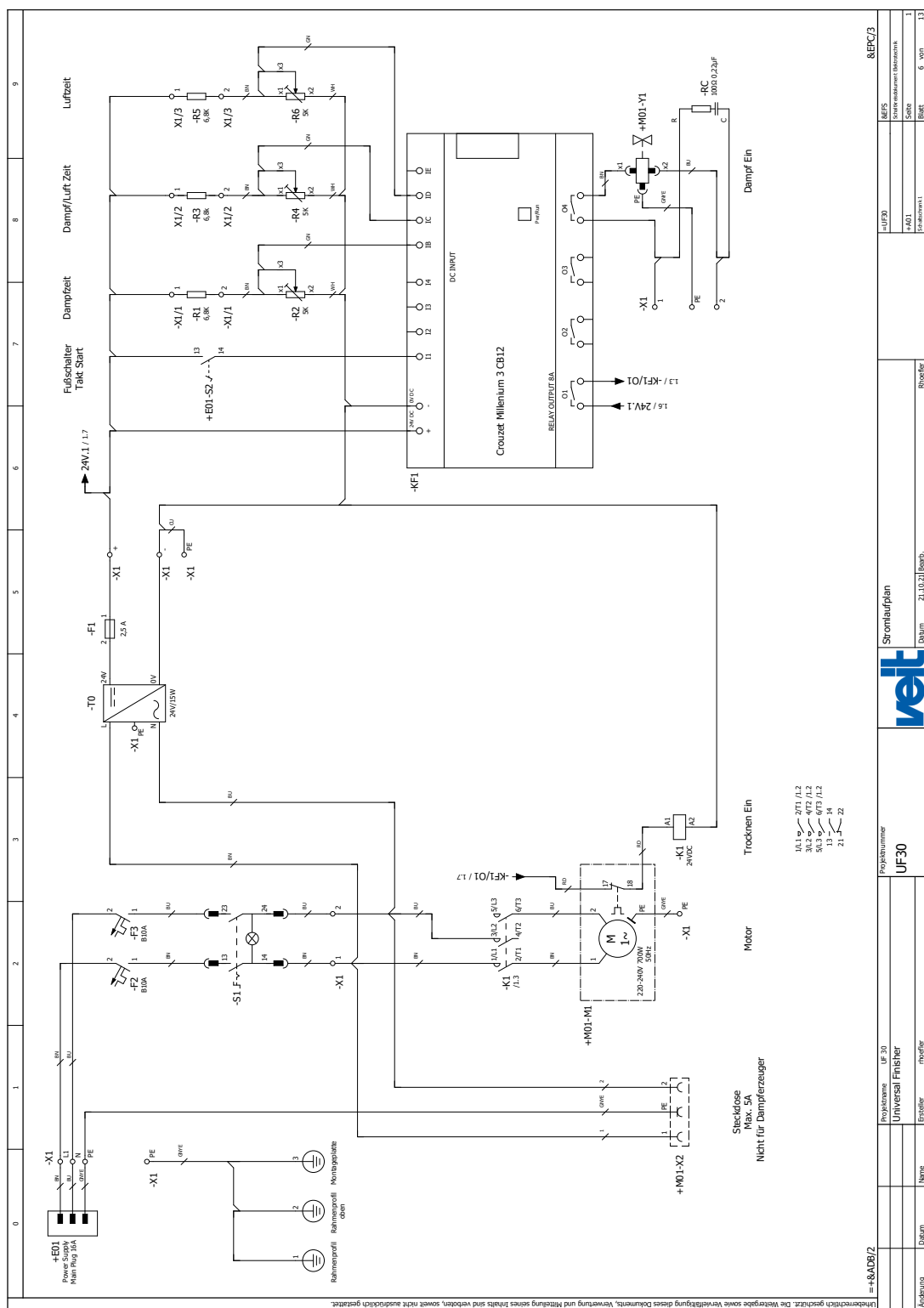
Tab. 11: Cover, universal finisher with garment attachment

| Item | Article number | Designation                     |
|------|----------------|---------------------------------|
| 310  | 109553         | Cover of garment attachment     |
|      | 161934         | Cover 8430 with attachment 8308 |

Tab. 12: Covers for universal finisher

| Item | Article number | Designation                                      |
|------|----------------|--|
| 300  | 120696         | Cover for bust 8430                              |
| 301  | 120697         | Cover for front stretcher, inside/outside        |
| 302  | 120698         | Cover for side stretcher set                     |
| 303  | 124639         | Foam material for side stretcher 8430            |
| 304  | 124640         | Foam material for front stretcher, inside, 8430  |
| 305  | 124641         | Foam material for front stretcher, outside, 8430 |

## 12.2 Circuit diagram



*Fig. 31: UF30 circuit diagram*

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