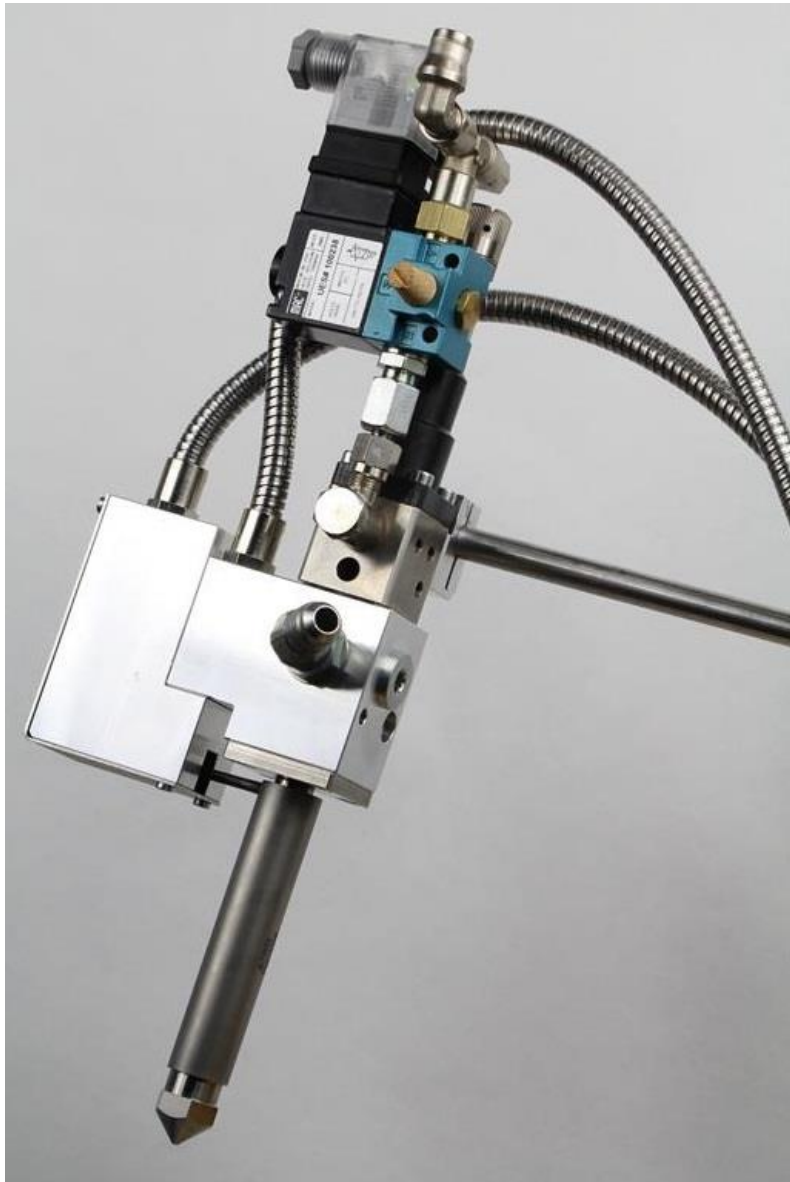




ein Unternehmen der  **Landwermann**  
TECHNIK GMBH



Documentation

# Hotmelt Application Head

(Item:138855)

**Please read the following instructions carefully before operating application head 138855:**

- Compare your connection voltage with the information given on our identification plate.
- Please use only such control devices that are compatible with the built-in sensor.
- Operate the application head only with the indicated voltage.
- Use only original accessories and spare parts.
- Installation work and adjustments must only be carried out after the pressure has been switched off.
- Hydraulic connections should only be mounted/dismounted when the application head has been heated up and the pressure has been switched off.

**Attention! Important notice!**

**Please be aware of the fact that this is a high-temperature application head.**

**The temperature of the surface can be extremely high so that touching the surface can lead to serious injuries and even shock.**

- Hydraulic connections must be tightened after the application head has been heated up and before the first pressure has built up. Only after that the working pressure on the pump of the glue unit should be adjusted and all connections should be checked for tightness.

**During the operation, please keep in mind the following instructions**

- The instruments must not be under tension – under no circumstances.
- The application head must have reached its operating temperature before you can start working with your pressure because the material of the fittings might still be rigid.
- You are not allowed to use any additional external heater to reduce the start-up time – under no circumstances.

**General Information**

The installation of application heads in a production machine may only be carried out by qualified personnel. The safety regulations of the production machine must be observed.

## Safety instructions

The following safety instructions must be observed!

**Caution!**  
**Before any repair and adjustment work, unplug from the mains!**



Installation and maintenance work may only be performed by trained personnel.

Only those individuals shall be considered suitable who are qualified by specialized training and experience in dealing with these or similar devices, who know the relevant safety and accident prevention regulations, and who therefore can recognize and avoid hazards.

Work on the adhesive application system may generally only be conducted when the voltage has been turned off and the compressed air has been blocked (depressurize the system).

The system must not be operated without the appropriate covers and safety panels. Be careful of non-covered moving and rotating parts, such as motor and pump shafts, hub and swiveling mechanisms!

**Caution!**  
**Do not use the system for anything else than what it was manufactured for!**

On many non-covered parts of the applicator device, the hot glue hoses and application guns consist of high temperatures during operation. Hot and pressurized adhesive may cause severe skin burns. Therefore, always wear protective clothing, gloves and safety goggles when working on the system, such as when filling the melting tank or connecting and installing the hoses and valves. Some adhesives produce toxic fumes that have to be extracted. The hot melt adhesive application equipment may not be operated under the following circumstances:

- In the vicinity of volatile substances or explosive materials and gasses
- Without adequate protection
- At temperatures of less than 5 °C or more than 45 °C

### Security measures with respect to the adhesive

When working with molten hot glue, always be extremely careful! These materials solidify very quickly, even at high temperatures, so they can still be very hot even in their solid state and can result in burns when in brought into contact with the skin. The safety precautions of the adhesive manufacturer are to be observed. These can be found on the data sheet of the adhesive. Comply with the processing temperatures recommended by the glue manufacturer!



When working with hot melt, wear gloves, safety glasses and long sleeves to prevent burns. In the case of a burn, do not attempt to remove the glue from a person's skin; instead, hold the wounded site under cold water until the glue has cooled and then contact a physician.

## Safety symbols

The safety symbols below highlight activities in this manual where increased caution is necessary. The proposed safety precautions should be observed in any case.



### Attention, general safety instructions:

Regards to safety instructions when working with glues and other machines. Additional (special) safety instructions can follow.



### Caution hot surface:

Danger of burning. Appliance parts have a high operating temperature.



### Caution high voltage:

This type of work is only to be carried out by qualified personnel.



### Caution hand injury:

Risk of entrapment if incautiously operated.



Caution, possible danger of uncontrolled release/leakage of hot liquids!



Wear safety gloves!



Use safety glasses!



Disconnect power supplier!



Use face shield!

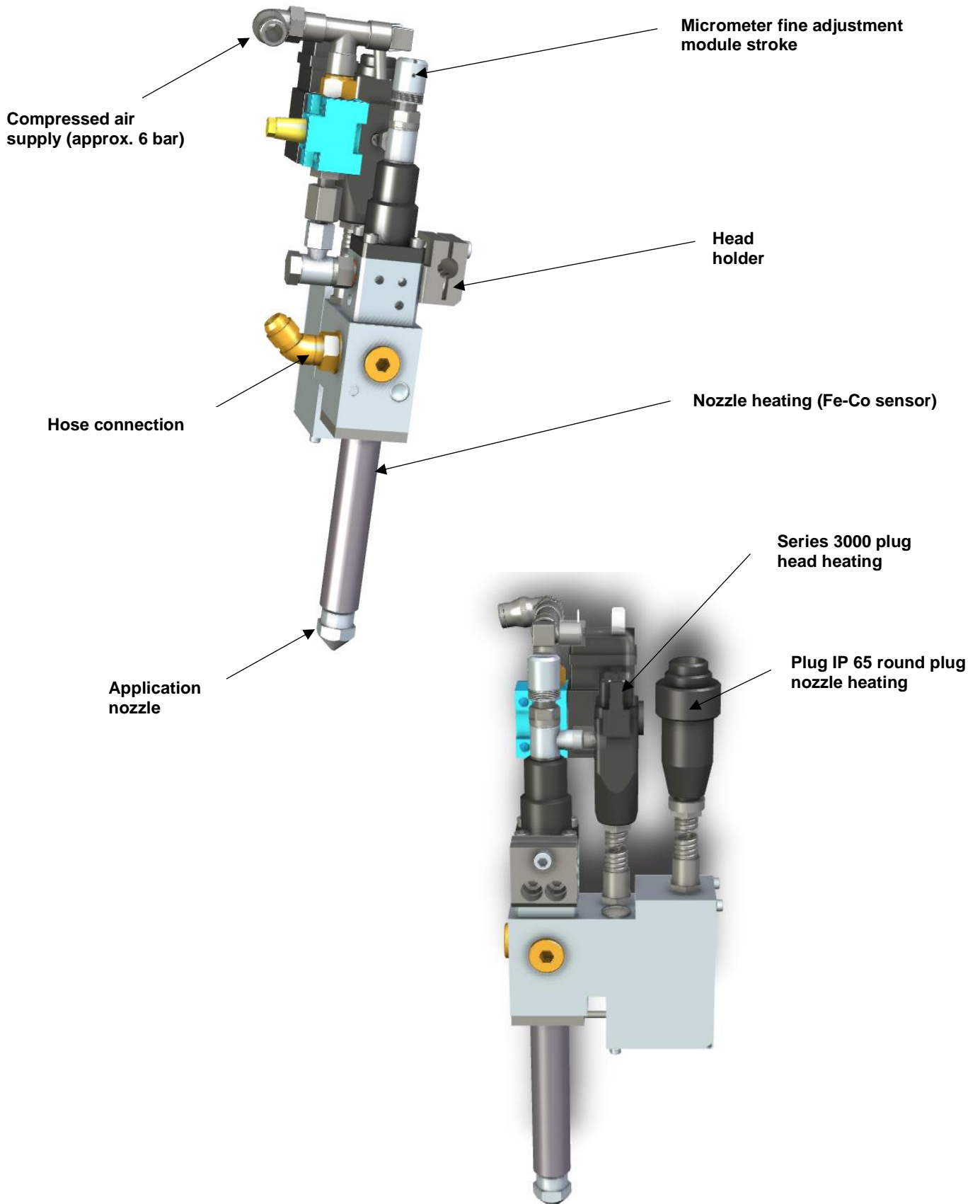


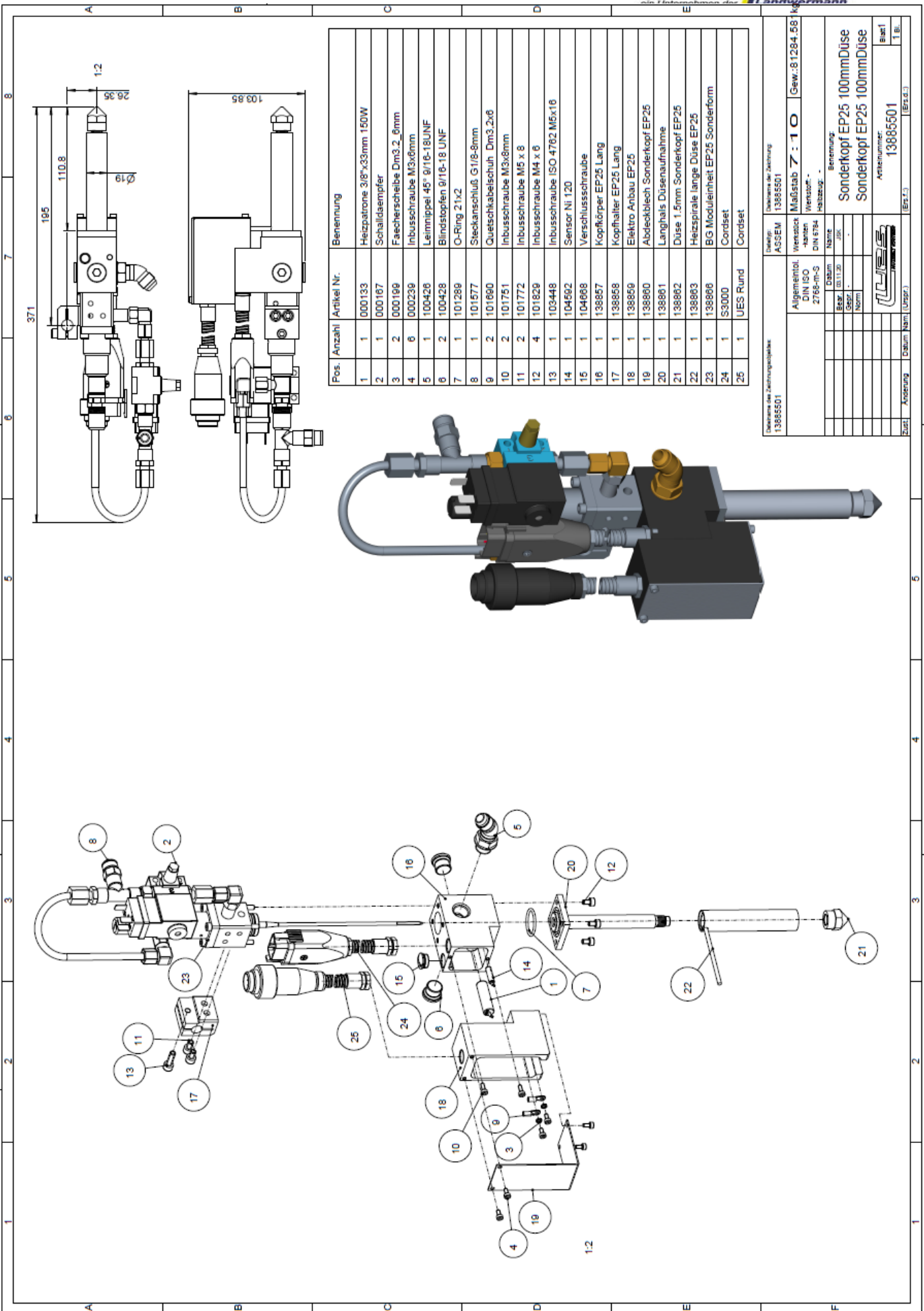
Disconnect power plug before opening!



Wear protective clothing!

## Setup / technical drawing





Zeichnungsnummer 13885501		Zeichnungsart ASSEM		Zeichnungsart ASSEM	
Allgemeine Angaben DIN ISO 2768-mS		Maßstab 7 : 1		Gewicht 81294.58 kg	
Datum 01.11.20		Name J.KE		Zeichnung Sonderkopf EP25 100mmDüse Sonderkopf EP25 100mmDüse	
Blatt 1		Norm -		Artikelnummer 13885501	
Zeichnung 13885501		Datum 01.11.20		Blatt 1	

## Functional description

- After the application head is heated up and continuously checked by the sensors (Ni120 and FeCo), the application can start.
- The glue pump of the hotmelt system supplies the hotmelt head with glue.
- The hot glue module is controlled via its own solenoid valve by pneumatics. The module operates „air-opened / air/spring-closed “.
- The application quantity is controlled by the glue pressure applied in the system and the application time.
- The solenoid valves are electrically controlled by the mother machine and the application time is thus regulated.

## Mounting

Please make sure that the application head is mounted tightly. The application head must not slip out of its position or twist.

Then screw the UES hotmelt hose with the retainer nut onto the glue nipple (= screw connection of application head) using a spanner wrench and then put the plug at the end of the cord set into the corresponding socket of the hose.

The plug is equipped with an anti-twist protection (bars in the plug, recesses in the socket). Please make sure to put it into the correct position and make sure that the clamps on the outside are locked in place.

## Performance / Operating data

### Glue application head (item: 138855)

electrical power supply:	230VAC/50Hz
sensor type:	NI120/FeCo
heating power:	1 x 150 W application head /1 x 110 W nozzle
heating circuits:	2
max. temperature:	195 °C
operating pressure, pneumatic:	5-6 bar → module
viscosity:	500 to 20.000 mPas/S.
hose connection:	9/16-18 UNF

## Recycling

Proper disposal of old electrical devices avoids contamination of the environment and enables valuable materials to be recycled. The main concern is the reduction of harmful substance in electronic products as well as the prevention and reduction of electronic waste through reuse.

According to the German WEEE /ElektroG Directive manufacturers and importers of electrical equipment are not required to take their marketed devices back from consumers or to recycle the devices after the end of the equipment's life cycle.

We, however, offer you as a customer of UES AG the service of taking back your old UES unit.

If the equipment you purchased from us is irreparably damaged, please feel free to send it to us. We will then recycle it professionally.

For the environment

**Your UES Team**





## Spare parts

Item	Item No.	description
Plug housing S3000	000286	Plug housing 20 x 26 x 53 mm
Plug inlet S3000	000287	6 pin series 3000
Crimp pin S3000	000288	Male pin Ø1,5mm S3000
Heater cartridge	000133	Heater cartridge 150 W /230 V
Sensor NI120	104592	Sensor NI120
Silencer	000167	Silencer ø 11x23mm 1/8" Sinter metal
Glue nipple 45°	100426	Glue nipple 45° 9/16" adjustable counter nut
Head holder	138858	Head holder EP25 special form long nozzle
Nozzle 1,5 mm	138862	Nozzle 1.5 mm EP25 special form
Heating coil with FeCo sensor	138863	Heating coil EP25 special form long nozzle
Module EP25	138866	Special module EP25 with long piston rod
Round plug	101299	Plug round for UES Cordset IP65

For more or special spare parts please contact UES AG.

## EC declaration of incorporation according to machine directive 2006/42/EC annex II 1.B

The producer / distributor

**UES AG**  
**Breuershofstr. 48**  
**47807 Krefeld**  
**Germany**

hereby declares that the following product

**Product designation:**            **Application head EP25**  
**Make:**                                **Hot melt application head for special application**  
**Series/type designation:**       **138855**

corresponds to the basic requirements of the directive:

see annex "list of the requirement to be complied with according to annex I of the EC Machinery Directive 2006/42/EC"

### **The following further EC directives have been used:**

- EMC Directive 2004/108/EC
- General Product Safety Directive 2001/95/EC
- The protection objectives of the EC directive 2006/95/EC as well as those of the DIN VDE 0100 are complied with.

The commissioning of this product is prohibited until the machine or the installation in which this product is to be installed or of which it forms a component corresponds to the provisions of all relevant directives.

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

EN 55014-1:2006/A2:2011	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission (CISPR 14-1:2005/A2:2011)
EN 60204-1:2006/AC:2010	Safety of machinery - Electrical equipment of machines - Part 1: General requirements 1 (IEC 60204-1:2005 (modified))
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) – Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection (IEC 61000-3-3:2013)
EN ISO 4413:2010	Hydraulic fluid power - General rules and safety requirements for systems and their components (ISO 4413:2010)
EN ISO 4414:2010	Hydraulic fluid power - General rules and safety requirements for systems and their components (ISO 4414:2010)

For this product the special technical documents according to annex VIII part B have been created, upon reasoned request these documents can be sent to a competent national authority by post or email.

(Signature Authorized officer)  
**Carsten Weiner**

(Signature Authorized techn. Documentation)  
**Andreas Ripke**

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**[www.ues-ag.net](http://www.ues-ag.net)**