Product Manual

Glue Applicators MS 80, MS 200.3/.E3/.LCD

Translation from German to English

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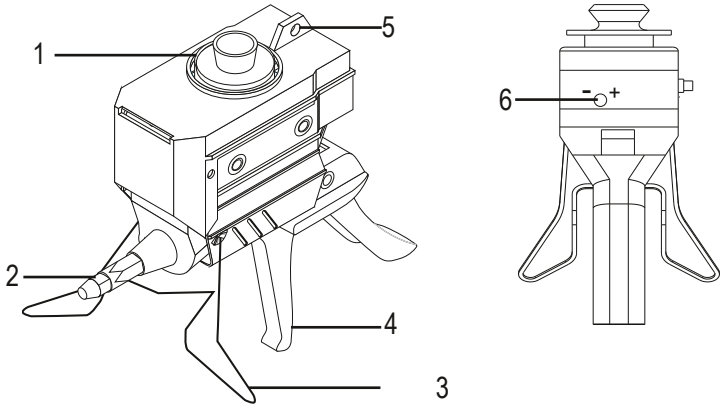
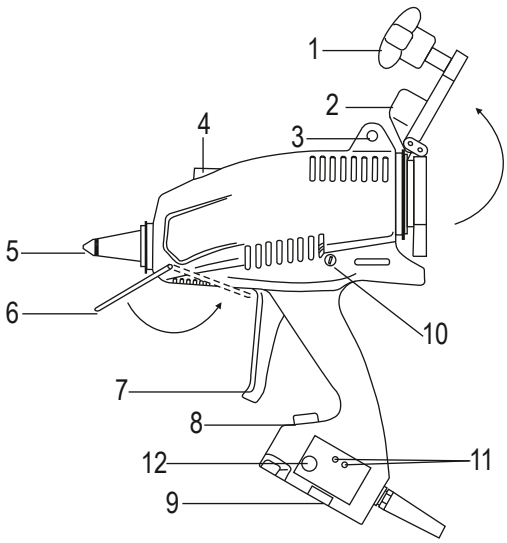
MS 80



No.	Description
1	Lid
2	Nozzle
3	Wire Stand
4	Trigger
5	Plug
6	Screw for Termperature Regulation

MS 200.3 /.E3/.LCD

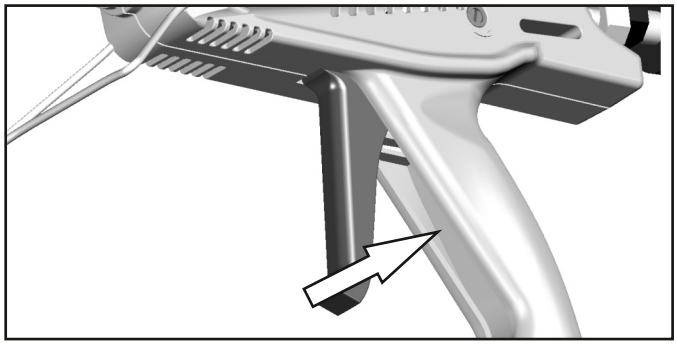


No.	Description
1	Star Grip
2	Lid
3	Plug
4	Screw for Termperature Regulation (MS 200.3)
5	Nozzle
6	Wire Stand
7	Trigger
8	On/Off Switch (MS 200.3)
9	Magnet
10	Screw for Adjusting Trigger
11	LEDs (MS 200.E)
12	Temperature Adjustment (MS 200.E)

Product Description

Dear customer,

the glue applicator you purchased will help you to glue parts together more easily and more rapidly. To ensure an optimum usage of the glue applicator we recommend that you read these instructions thoroughly before using the applicator for the first time.
The following illustration shows where to find the serialnumber of the applicator:



MS 200.3 /.E3/.LCD

MS 80

Eggenstein-Leopoldshafen, Germany, June 17th 2025

Intended Use

The applicator works with non reactive hot-melt glue which is dispensed by a mechanical conveying system. It is suitable for hot-melt from 1000 up to 40.000 mPas*. Therefore, this glue applicator should only be used by trained, instructed and authorized persons who have been familiarized with the proper use and the safety precautions. Handling the applicator properly will avoid unnecessary accident hazards and problems.
Bodily injury or material damage caused by not using the glue applicator as intended shall not be the manufacturer's, but the user's responsibility.
*less than 1000 and more than 40.000 mPas possible with limitations.

General Safety Instructions

Care and Diligence of the User

The glue applicator has been designed and fabricated in conformity with the applicable harmonized standards and additional technical specifications. So, it is state of the art and ensures maximum safety. This safety, however, can only be achieved in the operational practice, if all the necessary measures are taken. The user of the equipment shall be obliged to plan these measures and to make sure that they are taken.

In particular, the user shall ensure that

- the applicator to be used is in good working order
- the personal protective equipment (protective gloves, safety goggles) required for the operating personnel is available and used
- the operating instructions are in legible condition and available to the operator
- only sufficiently trained and authorized personnel operates and maintains the applicator
- this personnel is regularly instructed in the applicable regulations of operational safety and environmental protection and knows the operating instructions and, in particular, the included safety instructions.

Making the Information available

This operating manual shall always be kept at the place of operation of the applicator. Be sure that all persons handling the applicator can consult the instructions at any time. In addition to this operating manual, there must be available instructions regarding legal and other mandatory regulations relating to accident prevention and to relevant requirements of the employers' liability insurance association.

Safety Symbols

This operating manual gives concrete safety instructions to alert the user to remaining unavoidable hazards. These hazards imply dangers to

- persons
- product and equipment

Meaning of the used Symbols

This symbol indicates that there is, above all, danger to persons, but also to equipment and material

Caution: hot surface! Accident Prevention Regulation VBG 125 – W26 Hot surfaces such as machine parts, tanks or materials, but also hot liquids cannot always be perceived. The utmost caution is advised when this symbol is attached to a component. Wear protective gloves whenever you have to touch hot surfaces.

To avoid accidents lay the cables so that they will not cause any risk of stumbling.

Wear protective heat resistant gloves and safety goggles whenever you work with the applicator.

Safety Measures to be taken during Operation

The equipment must only be used by trained, instructed and authorized persons. These persons must have read the operating instructions and be able to work accordingly. Before using the applicator, check it for visible damage and make sure that it is only used when in proper and safe condition. Notify detected defects to the appropriate person immediately.

Safety Instructions for the Operation

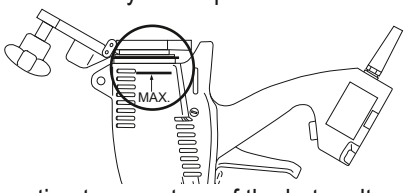
Wear protective heat resistant gloves and safety goggles whenever you work with the applicator.

Do not leave the device unattended.

Avoid accidents by stumbling – Lay all cables, hoses and conducts so that they will not cause any risk of stumbling. For this, install cable ducts and bridges.

MS 200 only: The device uses a super magnet. Keep magnets away from all items and objects which can be damaged by strong magnetic fields.
Magnets can influence the functionality of pacemakers.

Overfilling can cause hot-melt after it melted to exit the tank. This is why glue should only filled up to the marker.



Never exceed the operating temperature of the hot-melt. This temperature is indicated in the technical datasheet of the hot-melt. Overheating may lead to decomposition which may affect the health of the user as well as the operability of the applicator.

The heating temperature should be lowered during longer work breaks to preserve the hot-melt. Ongoing heating makes the hot-melt coke and may also change its' characteristics.

Once the applicator has warmed up, nozzle and lid are very hot.
Never start working before fitting a nozzle first.

Only replace nozzle when applicator is warm and empty.

Unplug the connecting cable, before replacing a nozzle.

Warning: risk of burns! When a nozzle is replaced, liquid glue might leak out.

Never bring the hot nozzle into contact with the cable.

Never direct the glue jet towards people.

If hot glue comes into contact with the skin, cool it with cold water immediately. Do not try to remove the hot-melt from the skin first. If necessary, consult a doctor. If hot glue comes into contact with the eyes, immediately cool them under running water for about 15 minutes and consult your doctor at once.

Always deposit the glue applicator on the wire stand or the respective plate destined for this purpose.

Do not lay the applicator on its side.

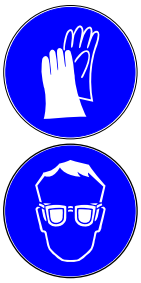
Do not hold nozzle top upward for too long. If you do hold it upward for too long, hot-melt will reach the lid and might flow out when the applicator is opened the next time.

Do not carry out overhead work.

Stop using the equipment immediately, if the casing is damaged due to shock, breakage or heavy wear.

Never clean the applicator with solvents, benzine, benzene, toluene, acetone, turpentine or paraffin. Risk of explosion!

Start-up and Control



Wear protective heat resistant gloves and safety goggles whenever you work with the applicator.

Avoid accidents by stumbling – Lay all cables, hoses and conduits so that they will not cause any risk of stumbling. For this, install cable ducts and bridges.

Never direct the glue jet towards people!

Never lay the hot-melt applicator on its side.

Do not hold the nozzle top upward for too long.

Do not carry out overhead work. 

Do not start working, before fitting a nozzle first.

Only replace nozzle when applicator is warm and empty.

Only open the lid when the applicator has warmed up.

Do not overfill the applicator.

Stop using the equipment immediately, if the casing is damaged due to shock, breakage or heavy wear.

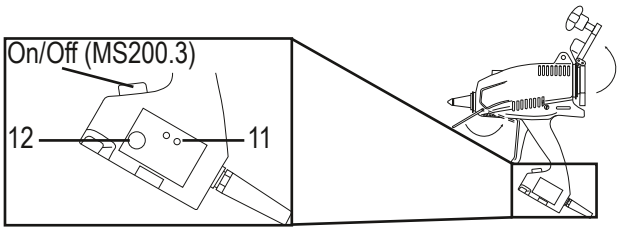
The glue applicator must only be used/applied for its intended purpose. Please read the chapter „General Safety Instructions“. If it is not used as intended, this may cause bodily injuries or equipment damages. Disregard of the safety instructions for the use of the applicator may lead to serious burns.

Switch Applicator on/off

MS 80: The device starts heating up as soon as it is plugged in. Unplug it to turn it off.

MS 200.3/.LCD: An illuminated on/off-switch indicates that the applicator is switched on. Press the switch in order to turn the applicator on or off.

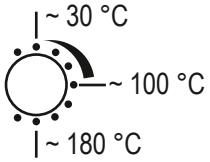
MS 200.E3: The applicator is switched on if the green LED (11) is illuminated. Plug in the plug to switch the applicator on and pull the plug to turn it off.



Minor leaking while the applicator is warming up is due to the hot-melt expanding in the nozzle and heating chamber.

Adjust Temperature

The glue guns MS 80 and MS 200 are factory set to heat up to approximately 200 °C when switched on.
MS 80: The temperature adjusting-screw can be found at the back side of the applicator.
MS 200: The temperature adjusting-screw can be found at the upper side of the applicator.
MS 200.E3: The temperature adjustment can be found at the foot/stand of the applicator (12).
Adjustment aid:



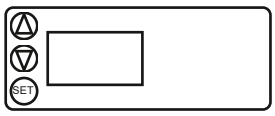
The temperature can be adjusted by turning the adjusting-screw with a screw driver. The right-end stop is the maximum temperature of 200 °C. Never turn the screw with force! This will lead to damaging the applicator. In order to lower the working temperature, turn the adjusting screw counter clockwise.

To check the temperature an external thermometer is needed (not included in delivery).

Start-up and Control

Setting the hot-melt working temperature (MS 200.LCD)

Switching the temperature control on and off:
The temperature control can be turned on or off with the switch at the back of the device.



Raising the temperature:
Press the ▲ button until the desired temperature is indicated. Press the SET button once to confirm the setting. As long as the circuit board is in temperature adjustment mode two dots will appear behind the first two digits.

Reducing the temperature:
Press the ▼ button until the desired temperature is indicated. Press the SET button once to confirm the setting. As long as the circuit board is in temperature adjustment mode two dots will aprear behind the first two digits.

While the applicator is heating up to the set temperature, the numbers on the display are flashing.

Loading Hot-Melt

The MS 80 and MS 200 glue applicators must only be used to dispense non-reactive hot-melts with a viscosity of 1000 up to 40.000 mPas*. Never feed other materials, dirt or sharp objects like small fragments of metal. The hot-melt glue applicator is only capable of working with all non-reactive hot-melt types which are designed for working temperatures of up to max. 200 °C.

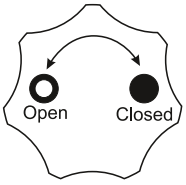
Only open and close the lid when the hot-melt applicator is heated up. Otherwise the closing mechanism could be damaged.

MS 80

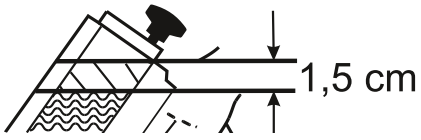
After the end of the heat-up period (approx. 10 min.), open the lid and load granulate up to just under the lower rim of the feeding opening.
Close the lid and allow the applicator to melt the glue.

MS 200

After the end of the heat-up period (approx. 5 min.), open the lid by turning the star grip counter clockwise.



Load granulate up to 1,5 cm (~ 0.6 inch) under the lower rim of the feeding opening.



Shut the lid, turn the stargrip clockwise until the lid is fully closed.

Caution: Make sure the lid is shut securely, otherwise hot-melt may flow out.

When the star grip is overturned / over tightened the closing mechanism could be damaged.

*less than 1000 and more than 40.000 mPas possible with limitations.

Start-up and Control

Applying Hot-Melt

Wear protective heat resistant gloves and safety goggles whenever you work with the applicator.

Never start working before fitting a nozzle first.

Never direct the glue jet towards people!

Do not start working before the glue has molten. Partially molten glue is thick and it needs a lot of force to press it off the applicator. Doing so would damage the applicator.

Always deposit the glue applicator on the wire stand or the respective plate destined for this purpose.

The glue applicator must not be laid on its side.

Do not open the lid before the applicator has warmed up.
If hot glue got into contact with your skin, cool it with cold water immediately. Do not try to remove the hot-melt from the skin first. If necessary, consult a doctor. If hot glue comes into contact with the eyes, immediately cool them under running water for about 15 minutes. Consult your doctor at once!

Always keep the working temperature of the specific hot-melt glue (see "Adjust Temperature"). This temperature is indicated in the technical datasheet of the hot-melt glue. Make sure the hot-melt is melted. Make yourself familiar with the applicator first. Apply a little glue in varying forms on a piece of paper or cardboard; for example dots and lines.

The quantity to be applied is determined by pulling the trigger: the more you pull the more glue flows out.

Replacement of Nozzles

Warning: risk of burns! If hot glue got into contact with your skin, cool it with cold water immediately. Do not try to remove the hot-melt from the skin first. If necessary, consult a doctor. If hot glue comes into contact with the eyes, immediately cool them under running water for about 15 minutes. Consult your doctor at once!

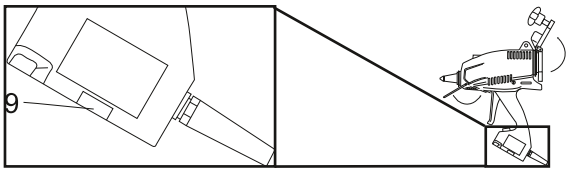
For your own safety: wear protective heat resistant gloves and safety goggles when you replace nozzles.

Always unplug the applicator before replacing a nozzle!

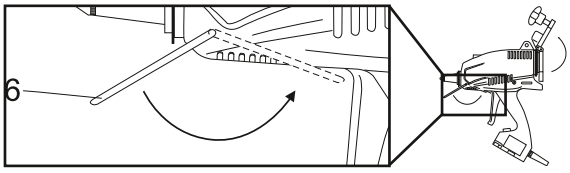
Only replace nozzles when the glue applicator is warm (at least softening temperature hot-melt) and empty. Replacing a nozzle when the applicator is cold may damage the equipment. Replacing the nozzle when the applicator is too hot, causes liquid glue to flow out. The melting range as well as the melting point of the used glue may be taken from the technical datasheet of the respective glue.

Picking up/putting down the Applicator

MS 200: The MS 200 can be put down and picked up comfortably on magnetic surfaces by using the magnetic foot.

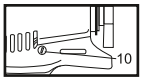


MS 80 & MS 200: The glue guns have a wire stand which is used to put down the applicator. Reka recommends folding in the wire stand when working with the applicator.



Adjusting the trigger (MS 200 only)

The lever stroke can be adjusted with a screwdriver on the left side of the applicators' casing.



Trouble-Shooting

List of possible fault indications and assistance in trouble-shooting

In case of damage, send the glue applicator to your supplier or directly to Reka indicating type and serial no. of your applicator. Self-made repairs void the warranty.

Fault	Possible Cause	Measures to be taken
No or too little glue output, though the heat-up time has been observed exactly	• Foreign objects in nozzle? • Nozzle worn off / damaged?	• Replace nozzle
	• Low hot-melt temperature	• Check temperature setting • Check thermostat for damage or deformation, send in for change of thermostat
	• Glue cloggs venting hole at the lid?	• Clean lid • Change lid
Hot-melt is too thin or too viscous	• Temperature of hot-melt is too low or too high	• Check temperature setting
Trigger is hard to pull, requires a lot of strength to pull all the way through	• Foreign objects in nozzle? • Nozzle worn off / damaged?	• Replace nozzle
	• Temperature of hot-melt is too low	• Check temperature setting • Check thermostat for damage or deformation, send in for change of thermostat
Hot-melt contains brown flakes	• Hot-melt was heated over recommended temperature	• Lower the heating temperature
	• Hot-melt was heated for too long and is coked	• Lower the heating temperature during work breaks
Leaking nozzle	• Foreign objects in nozzle?	• Replace nozzle
	• Glue cloggs venting hole at the lid?	• Clean lid
Applicator doesn't heat up	• Device is switched off • Thermostat is turned to left-end stop	• Check power supply • Turn on applicator, if applicable (MS 200). • Check thermostat for damage or deformation, send in for change of thermostat
Hot-melt is leaking out of casing	• O-rings at the piston are worn out	• Stop using device immediately • Send in device for repair

Cleaning and Maintenance

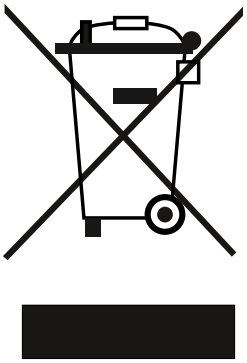
Never fill soiled glue into the melting tank. If you observe all advices given in the operating manual, the glue applicator does, normally, not need cleaning. The non-reactive glue contained in the applicator will remelt and can be used for gluing again. The working temperature of the respective glue may be taken from the technical datasheet which can be procured from the producer of the glue. This temperature must not be exceeded, otherwise the glue may coke in the glue applicator. Hot-melts on a polyamide basis are particularly sensitive. If a special cleaning agent is needed, information on this cleaning agent is available at your glue supplier.

Never clean the applicator with solvent, benzine, benzene, toluene, acetone, turpentine etc., risk of explosion!

The applicator is to be maintained by skilled personnel on a regular basis. The frequency of maintainance depends on wear and the hot-melt in use. Dusty work environments require shorter maintenance intervals. Checks and maintainance should include, but are not limited to, functionality of the closing mechanism, the wire stand, the magnet and the power cord. In case of a non-functional closing mechanism hot-melt can leak from the glue gun. The lid and the venting hole in the lid need to be free of hot-melt.

Environmental Protection

Never throw electric tools in the domestic waste. According to the European directive 2002/96/EC for used electric and electronic devices and according to national regulations, used electric tools must be collected separately and treated in an environmentally compatible way for re-use.



You are welcome to send reka glue guns back to reka Klebetechnik for disposal.

Packing material used by Reka Klebetechnik can be recycled completely.

Please take instructions for the disposal of hot-melt glues and hot-melt cartridges from the respective safety specifications.

Additional Information

Do you have any more questions or requests? We will be glad to help you.

Please contact us by:
Telephone +49 721 970 780
E-Mail sale@reka-klebetechnik.de

Our mailing address is:
Reka Klebetechnik GmbH & Co. KG
Siemensstr. 6
DE-76344 Eggenstein

Internet: http://www.reka-klebetechnik.de

EU Declaration of Conformity

The manufacturer

Reka Klebetechnik GmbH & Co. KG
Siemensstraße 6
D-76344 Eggenstein Leopoldshafen | Germany

hereby declares under its sole responsibility, that the products

Hot-Melt Glue Guns:
- MS80 | MS200.2 | MS 200.3 | MS200.E | MS200.LCD
- TR50.4 | TR50.5 | TR55 | TR 55.2 | TR60 | TR70 | TR 70.2 | TR80 | TR700
- TR500 | TR501 | TR502 | TR505

Comply with the following European Directives:

2014/35/EU	Low Voltage Directive
2014/30/EU	EMC Directive
2011/65/EU	RoHS Directive

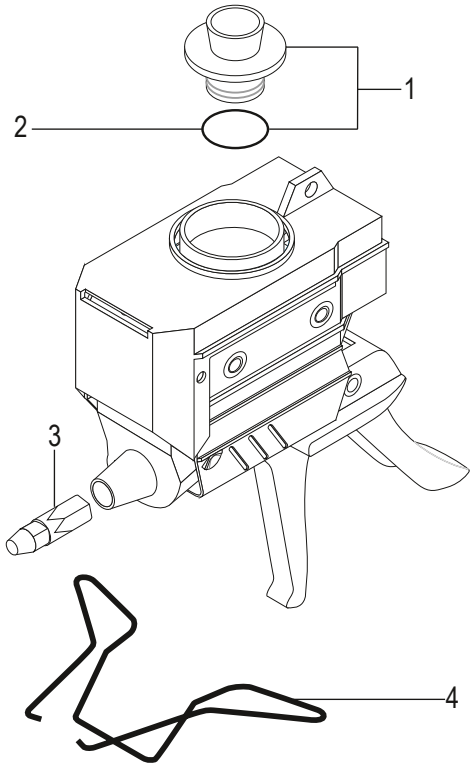
The following harmonized standard/s and technical specifications were used:

EN 60335-1:2012/A15:2021	Household and similar electrical appliances - Safety – Part 1: General requirements
EN 60335-2-45:2002/A2:2012	Household and similar electrical appliances - Safety – Part 2-45: Particular requirements for portable heating tools and similar appliances
EN 61000-6-2:2005/AC:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-3:2007/A1:2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Eggenstein August 16th 2024 Maximilian Armbruster / General Manager

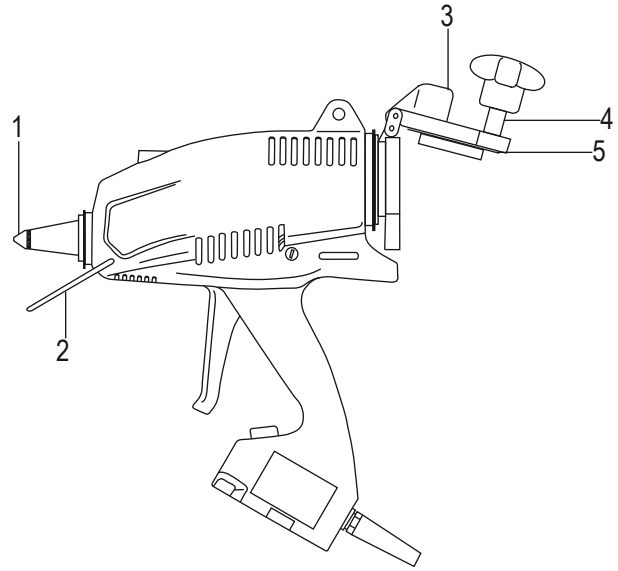
Spare Parts

MS 80



No.	Description	Article No.
1	Lid MS 80 cpl.	3885
2	O-Ring 28x3,5	3827
3	Nozzle 1,75mm	3911
4	Stand MS80	3882

MS 200.3 /.E3/.LCD



No.	Description	Article No.
1	Nozzle 2,0mm	12496
2	Wire Stand MS 200	3345
3	Lid MS 200 cpl. (incl. O-Ring 40x3 / 2603)	3436
4	Locking MS 200.3 cpl.	3438
	Locking MS 200.E/.LCD	2563
5	O-Ring 40x3	2603

Wear & Tear Set MS 200 3442
(2 x Nozzle 2,0mm, 5 x O-Ring 40x3)

Technical Data

	MS 80	
Weight	850 g	
Power Supply	230 V / 50 Hz	120 V / 60 Hz
Power Consumption	200 Watt	200 Watt
Current Consumption	0,9 A	
Degree of protection	I	
Class of protection	IP 30	
Temperature control	Thermostat	
Operating temperature	50 – 200 °C	
Consistency of temperature	+- 5 °C	
Heat-up time	approx. 10 min.	
Gross Tank Capacity	150 ml	
Conveying system	Mechanics	
Length of electric cord	2,5 m	
Recommended melts	Hot-melt granulate, pillows and chips	

	MS 200.3		MS 200.E3/.LCD	
Weight	1220 g			
Power Supply	230 V / 50 Hz	120 V / 60 Hz	230 V / 50 Hz	120 V / 60 Hz
Power Consumption	500 Watt	500 Watt	500 Watt	500 Watt
Current Consumption	2,6 A	4,2 A	2,6 A	4,2 A
Degree of protection	I			
Class of protection	IP 30			
Temperature control	Thermostat		Electronic	
Temperature limitation	Temperature monitor		Temperature monitor	
Operating temperature	50 – 200 °C		30 - 200 °C (.E) / 30 - 205 °C (.LCD)	
Consistency of temperature	+- 5 °C		+- 2 °C	
Heat-up time	approx. 5 min.			
Gross Tank Capacity	250 ml			
Conveying system	Mechanics			
Length of electric cord	2,5 m		3,5 m (.LCD)	
Recommended melts	Hot-melt granulate, pillows, chips and 43mm sticks/slugs			

Nozzles MS 200

MS 200 / alle Typen / *all types*
MS 200 / MS 200.E / MS 200 LCD

Düse A-M14x1 / 1,0mm Pneu/MS (Standard TR 50.4 / TR 50.5 / TR 55 LCD)
Nozzle E-M14x1 / 1,0mm Pneu/MS
Ø 1 mm **# 2324**

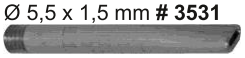
Düse A-M14x1 / 2,0mm Pneu/MS (Standard MS 200)
Nozzle E-M14x1 / 2,0mm Pneu/MS
Ø 2 mm **# 12496**

Düse A-M14x1 / 1,5 Injekt.v2
Nozzle E-M14x1 / 1,5 Inject.v2
Ø 1,5 mm **# 12499**

Düse A-M14x1 / I-M6 pneu/MS
Nozzle E-M14x1 / I-M6 pneu/MS
 # 12521

Einsatz A-M6 / 4,0mm L=45mm
Insert A-M6 / 4,0mm L=45mm
Ø 4 mm **# 3502**

Einsatz A-M6 / flach L=45mm
Insert A-M6 / flat L=45mm
Ø 5,5 x 1,5 mm **# 3531**



Einsatz A-M6 / 4,0mm diag.20
Insert E-M6 / 4,0mm diag.20
Ø 4 mm **# 3503**

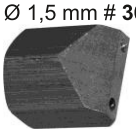
Einsatz A-M6 / 1,5mm Inj.10
Insert E-M6 / 1,5mm Inj.10
Ø 1,5 mm **# 3509**
10 mm

Einsatz A-M6 / 1,8mm Inj.15
Insert E-M6 / 1,8mm Inj.15
Ø 1,8 mm **# 3571**
15 mm

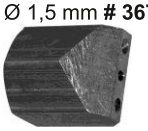
MS 200 / alle Typen / *all types*
MS 200 / MS 200.E / MS 200 LCD

Düse A-M14x1 / A-UNF5/16
Nozzle E-M14x1 / E-UNF5/16
 # 12524

Kopf **I**-UNF5/16 / 2x1,5mm 2-L
Head I-UNF5/16 / 2x1,5mm 2-Hole
Ø 1,5 mm # **3670**



Kopf **I**-UNF5/16 / 3x1,5mm 3-L
Head I-UNF5/16 / 3x1,5mm 3-Hole
Ø 1,5 mm **# 3671**



Kopf **I**-UNF5/16 / 5x1,2mm 5-L
Head I-UNF5/16 / 5x1,2mm 5-Hole
Ø 1,0 mm **# 3679**

Kopf **I**-UNF5/16 / 3,0mm dia30
Head I-UNF5/16 / 3,0mm diag.30
Ø 3,0 mm **# 3676**

Kopf **I**-UNF5/16 / 1,3mm Nadel
Head I-UNF5/16 / 1,3 mm Needle
Ø 1,2 mm **# 3677**

MS 200 / alle Typen / all types
MS 200 / MS 200.E / MS 200 LCD

Düse A-M14x1 / A-M6
Nozzle E-M14x1 / E-M6
12489

Kopf **I**-M6 / 1,75mm Spitz
Head **I**-M6 / 1,75mm Pointed
Ø 1,75 mm # 3902

Kopf **I**-M6 / 1,75mm (Nr.2)
Head **I**-M6 / 1,75mm (Nr.2)
Ø 1,75 mm # 3909

Kopf **I**-M6 / 2,5mm (Nr.3)
Head **I**-M6 / 2,5mm (No.3)
Ø 2,5 mm # 3904

Kopf **I**-M6 / 18x0,5mm Schlitz
Head **I**-M6 / 18x0,5mm Slit
Ø 18 x 0,5 mm # 3716

Kopf **I**-M6 / 10x0,5mm Schlitz
Head **I**-M6 / 10x0,5mm Slit
Ø 10 x 0,5 mm # 2741

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