Working Instructions
Translation

Heating element butt welding machine

WIDOS MAXIPLAST

Keep for further use!
Product identification

Type: WIDOS MAXIPLAST
Serial number / year: see type plate

Inserts of customer

Inventory-no.: 
Place of working: 

Order of spare parts and sales service:

Address of manufacturer
WIDOS
Wilhelm Dommer Söhne GmbH
Einsteinstr. 5
D -71254 Ditzingen

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Telefax: +49 7152 9939 40
Introduction

Purpose of the document

These working instructions give you information about all important questions which refer to the construction and the safe working of your machine.

Just as we are you are obliged to engage in this working instruction, as well.

Not only to run your machine economically but also to avoid damages and injuries.

Should questions arise, contact our advisers in the factory or in our subsidiary companies.

We will help you with pleasure.

According to our interest to make our products and working instructions continuously better, we kindly ask you to inform us about problems and defects which occur in during operation.

Thank you.

Design of the working instruction

This manual is arranged in chapters which belong to the different using phases of the machine.

Therefore the searched information can be found easily.

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Wilhelm Dommer Söhne GmbH
Einsteinstraße 5
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1. Description of product

This chapter gives important basic information about the product and its prescribed use.
All technical details of the machine are put together as a general arrangement.

1.1. Application and prescribed use

The WIDOS MAXIPLAST is made for heating element butt welding of pipes and fittings out of PE, PP and PVDF with a diameter range of Ø = 50 - 160.
The machine is kept small so that it can easily be used in the pipe system.
The clamping of the pipes is managed by steel clamping tools.

All use of this machine going beyond is not purpose oriented.
The machine is only to be used in a technically perfect condition, as well as purpose oriented, safety- and danger-conscious in compliance with the working instructions and the relevant safety regulations (especially the regulations for the prevention of accidents).
The described plastic welding machine may only be operated, maintained and repaired by persons who are trained and informed about the dangers.
The manufacturer is not responsible for any damages caused by inexpert handling or operation. For personal injuries, material and immaterial damages resulting herefrom, only the user is responsible!

Also part of the purpose oriented use is
- the respect of all the indications of the working instructions and
- the performing of the inspection and maintenance works.

1.2. Safety measures

In case of wrong use, wrong operation or wrong maintenance the machine itself or products being in the surrounding can be damaged or destroyed.
Persons being in the endangered area may be injured.
Therefore these working instructions have to be thoroughly read and the corresponding safety advices must necessarily be adhered to.

1.3. Conformity

The machine corresponds in its construction to the valid recommendations of the European Community as well as to the according European standard specifications.
The development, manufacturing and mounting of the machine were made very carefully.
1.4. Overview

No. | Denomination
---|---
1 | Heating element
2 | Basic machine
3 | Planer
4 | Protective box
5 | Table support

1.5. Designation of product

The product is designated by a sign at the frame. It contains the type of the machine, the serial number and the year of construction.

1.5.1 Technical data

1.5.1.1 WIDOS MAXIPLAST General data

| Material: | PP, PE, PVDF, |
| Dimensions of pipes: | Outside-$\Phi = 50 - 160$ mm |
| Transport box (LxBxH): | 630 x 505 x 562 mm |
| Weight (without packing): | 45 kg |
| Weight transportbox: | appr. 14 kg |
| Fuse: | 16 A |
| Wire cross section: | 1,5 mm² |
### Description of product

#### Chapter 1

| Emissions: | - The sound intensity level is below 70 dB (A)  
- When using the named pipe materials and when welding below 260 °C no toxicant damp arises. |
| Environment: | - Keep the workshop clean (especially welding area must be clean)  
- If secured by an appropriate measurement that allowed conditions for welding are indicated, it is possible to work in any outside temperature condition as far as the welder is not constrained in its manual skill.  
- avoid humidity  
- avoid strong sun beams  
- if it is windy shut the pipe endings. |

#### 1.5.1.2 Heating element

| Power: | 800 Watt | 800 Watt |
| Voltage: | 230 V (± 10 %) | 110 V (± 10 %) |
| Current: | 3,5 A (± 10 %) | 7,3 A (± 10 %) |
| Frequency: | 50 Hz | 60 Hz |
| Outside Ø: | 145 mm |
| Surface: | nonstick-coated |
| Attached elements: | - electronic temperature control  
- control lamp  
- connecting cable with plug |
| Weight: | appr. 3,9 kg |

#### 1.5.1.3 Planer

| Power: | 950 W | 400 W |
| Voltage: | 230 V (± 10 %) | 110 V (± 10 %) |
| Current: | 4,1 A | 8,6 A |
| Frequency: | 50 Hz | 60 Hz |
| Weight: | appr. 9,3 kg |

#### 1.5.1.4 Basic machine with table support

| Material frame and clamping tools: | Machinery steel |
| max. force: | 1000 N |

See spare parts list (chapter 10), for order-numbers and single parts, when ordering, please state the machine number!
1.6. **Equipment and accessories:**

Following accessories are part of the delivery:

<table>
<thead>
<tr>
<th>1 set</th>
<th>Fitting clamping tool (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Allan key with T-grip size 3 for screwing in / out the reduction inserts</td>
</tr>
<tr>
<td>1</td>
<td>Allan key with T-grip size 4 for tightening the optional clamping jaws for fittings</td>
</tr>
<tr>
<td>1</td>
<td>Allan key tilted size 5 for tightening the pipe support</td>
</tr>
<tr>
<td>1</td>
<td>Torx-screwdriver T10</td>
</tr>
<tr>
<td></td>
<td>Screws for reduction inserts, flat-head screws for reduction inserts, flat-head screws for mounting the optional clamping jaws for fittings</td>
</tr>
</tbody>
</table>
2. Safety rules

The base for the safe handling and the fault-free operation of this machine is the knowledge of the basic safety indications and rules.

- These working instructions contain the most important indications to run the machine safely.
- The safety indications are to be followed by all persons working on the machine.

2.1. Explanation of the different symbols

In the working instructions the following deno minations and signs are used for dangers:

- This symbol means a possibly danger for the life and the health of persons.
  - The disrespect of these indications may have heavy consequences for the health.

- This symbol means a possible dangerous situation.
  - The disrespect of these indications may cause slight injuries or damages on goods.

- This symbol means a possible dangerous situation by moving parts of the machine.
  - The disrespect of these indications may cause heavy crushings of parts of the body resp. damages of parts of the machine.

- This symbol means a possible dangerous situation due to hot surfaces.
  - The disrespect of these indications may conduct to heavy burns, respectively to self-ignition or even fire.

- This symbol gives important indications for the proper use of the machine.
  - The disrespect of these indications may conduct to malfunctions and damages on the machine or on goods in the surrounding.

- Under this symbol you get user tips and particularly useful information.
  - It is a help for using all the functions on your machine in an optimal way and helps you to make the job easier.

The regulations for the prevention of accidents are valid (UVV).

2.2. Obligations of the owner

The owner is obliged only to let persons work at the machine who

- know about basic safety and accident prevention rules and are instructed in the handling of the machine, as well as who

- the workers also must have read and understood the safety chapter of this manual and certify this by their signature.

The safety-conscious working of the staff has to be checked in regular intervals.
2.3. **Obligations of the user**

All persons who are to work at the machine are obliged:

- to follow the basic safety and accident protection rules,
- to have read and understood the safety chapter and the warnings in this manual and to confirm by their signature that they have well understood them,
- to inform themselves about the functions of the machine before using it, before working.

2.4. **Measure of organisation**

- All equipment required for personal safety is to be provided by the owner.
- All available safety equipment is to be inspected regularly.

2.5. **Information about safety precautions**

- The working instructions have to be permanently kept at the place of use of the machine. They are to be at the operator’s disposal at any time and without much effort.
- In addition to the manual, the common valid and the local accident protection rules and regulations for the environmental protection must be available and followed.
- All safety and danger indications on the machine have to be in a clear readable condition.
- Every time the machine changes hands or is being rent by a third person, the working instructions are to be sent along with and their importance is to be emphasized.

2.6. **Instructions for the staff**

- Only skilled and trained persons are allowed to work at the machine.
- It must be clearly defined who is responsible for transport, mounting and dismounting, and starting the operation.
- A person who is being trained may only work at the machine under supervision of an experienced person.

2.7. **Structural modifications on the machine**

- No modifications, extensions or reconstructions may be made on the machine without permission of the manufacturer (look chapter 2.11. In cases of non-compliance, any guarantee and liability demands expire.
- Machine parts which are not in a perfect condition are to be replaced immediately.
- Only use original WIDOS spare and wear parts.
- In case of purchase orders please always state the machine number and version number!
2.8. Danger while handling the machine

The machine WIDOS MAXIPLAST is constructed according to the actual technical standards and the acknowledged technical safety rules. However, dangers for the operator or other persons standing nearby may occur. Also damages to the machine itself or to other things are possible.

The machine must only be used:
- according to the prescription
- in safety technical impeccable status
- disturbances, which may affect the safety of the machine must be immediately cleared.

2.9. Danger caused by electrical energy

Only skilled qualified workers are allowed to work at electrical features.
- The electrical equipment of the machine has to be regularly checked.
- Loose connections and damaged cables have to be replaced immediately.
- The heating element need to be protected from rain and dropping water, eventually put up welding tent.
- The use on construction sites is only allowed according VDE 0100 over a power distributor with a FI-safety switch.

2.10. Specific dangers

2.10.1 Danger of burning / heating element, protective box, welding area

You may burn parts of your body and material may also be ignited!
- The heating element is heated up to over 200° C!
- Do not leave the heating element unattended.
- Take enough safety distance to materials which may be ignited.
- Do wear safety gloves.
- Always put the heating element back into its box before and after usage.
- Only transport the heating element at the holder, do not touch the surfaces of the heating element.

2.10.2 Danger by stumbling over electric wires

- Make sure that no person must step over the wires.
2.10.3 Danger by cutting / squeezing / catching

- Always put the planer back into its box before and after usage.
- Only transport the planer at the holder and do not touch surfaces.
- Do not grip between clamped pipe endings.
- Make sure that your clothing is not seized into the planer.

2.11. Warranty and liability

Fundamentally our ‘general sales and delivery conditions’ are in force. The buyer received them before making the contract. Guarantee and liability demands referring to damages of persons or things are excluded if they are caused by one or several of the following reasons:

- Not using the machine according to the prescription.
- Unprofessional transport, building-up, starting, operating and maintenance of the machine.
- Running the machine with defective or not properly mounted safety equipment.
- Ignoring the information given in this manual.
- Structural changes on the machine without permission.
- Unsatisfactory checkings of parts of the machine, which are worn out.
- Unprofessionally performed repairs.
- In case of catastrophes and acts of God.
3. Description of the welding process

Basically the international and national guidelines are to be followed.

The plastic pipes are clamped by means of the clamping tools.

Then the front of the pipes are planed. As soon as the pipes are parallel and the pipe deviation is smaller than 0,1x pipe thickness, the welding can begin.

Now the clamping tool with the pipes must be moved forward against the heating element until a certain pressure is achieved. Now the pipes are heated up and a circular bead arises.

This happens during the bead-up time. After reaching the necessary bead-height, the pressure is reduced, and this is the beginning of the heat-up time, this time is used to heat-up the pipe ends.

After heat-up time the support must be moved backward and the heating element must be removed as quickly as possible and the pipes driven together again.

The time between moving backward of the support and moving forward again after the heating element is taken out ist called change-over time.

The pipes are fitted together according to the prescribed welding pressure and now the pipe cools down under pressure (cool-down time).

The welded pipes can be unclamped, the welding process is finished.
4. Elements for operating the machine

4.1. Elements on the basic machine / table support

<table>
<thead>
<tr>
<th>No.</th>
<th>Denomination</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tightening nut</td>
<td>- tightening of the pipes</td>
</tr>
<tr>
<td>2</td>
<td>Lever for horizontal offset (2x)</td>
<td>- by loosening the levers the clamping tool can be moved upwards and downwards on the wedge</td>
</tr>
<tr>
<td>3</td>
<td>Clamping lever (4x)</td>
<td>- adjustment of the angle</td>
</tr>
<tr>
<td>4</td>
<td>Guide bar above</td>
<td>- guidance for the support</td>
</tr>
<tr>
<td>5</td>
<td>Star grip</td>
<td>- fixing the support</td>
</tr>
<tr>
<td>6</td>
<td>Scale</td>
<td>- display of the actual welding force</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- max. 120 kp</td>
</tr>
<tr>
<td>7</td>
<td>Handwheel</td>
<td>- Driving the support forward / backward</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- application of the bead-up force</td>
</tr>
<tr>
<td>8</td>
<td>Star grip for basic machine</td>
<td>- tightening the basic machine at the table support.</td>
</tr>
<tr>
<td>9</td>
<td>Spindle</td>
<td>- advance for support</td>
</tr>
<tr>
<td>10</td>
<td>Guide bar below</td>
<td>- guidance for the support</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- fixing the planer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- rest for the heating element</td>
</tr>
</tbody>
</table>
4.2. Elements at the heating element

<table>
<thead>
<tr>
<th>No.</th>
<th>Denomination</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Switch on / off with lamp</td>
<td>- comes on as soon as the heating element has been connected to the aggregate and the switch has been switched „on“.</td>
</tr>
<tr>
<td>2</td>
<td>control knob with slot</td>
<td>- setting temperature at heating element</td>
</tr>
<tr>
<td>3</td>
<td>control lamp green</td>
<td>- there are three statuses:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>out</strong>: If the desired temperature is lower than the actual temperature the heating element cools down to the desired temperature.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>blinking</strong>: The adjusted temperature is maintained.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>on</strong>: The heating element is heated up because it has not reached the desired temperature.</td>
</tr>
</tbody>
</table>
4.3. Element at the planer

<table>
<thead>
<tr>
<th>Nr.</th>
<th>Benennung</th>
<th>Funktion</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Switch on / off for planer</td>
<td>- The planer can be switched on via the switch and the associated adjustment knob.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- The planer has to be switched off before and after use.</td>
</tr>
<tr>
<td>2</td>
<td>Locking with protection switch</td>
<td>- Protection against unintentional running.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Locking the planer, thus avoiding a falling out.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Planer can only start when switch is pressed.</td>
</tr>
</tbody>
</table>
5. Starting and operating

The instructions of this chapter are supposed to initiate in the operation of the machine and lead during the appropriate starting of the machine.

This includes:
- the safe operation of the machine
- using all the possible options of the machine
- economic operation of the machine

5.1. Starting

- The machine should only be operated by initiated and authorized people.
- For the qualification a plastic welding exam can be taken according to DVS and DVGW.
- If dangers occur unplug the machine immediately.
- Switch off the machine after the work and during pauses.
- Make sure that unauthorized people are kept at a distance.
- Protect the machine from wetness and moisture!
- For working at the building site use a current distributor with a FI-security protective.
- Lay electric cables thoroughly (danger of stumbling)!

- Take care of the surrounding conditions:
  - The welding should not be performed under direct sun rays influence, use a welding umbrella if necessary.
  - In case of surrounding temperature under 5° C measures should be taken:
    - Build up a welding tent or heat up the pipe ends if necessary.
  - Take measures against rain, wind and dust.
  - Connect the heating element to the mains supply (230 V / 50 Hz).

5.1.1 Change of the reduction inserts

- Unscrew the in-screwed reduction inserts by means of the enclosed Allan key.
- Screw on reduction inserts of the desired diameter.
- With respect to curves, the angle on the basic clamping tools can be set (on each side between -15° to +15°).
5.2. **Welding process**

*In principle, the valid welding regulations (ISO / CEN / DVS ...) are to be observed.*

- Put on safety gloves to protect you from being burned.
- A stop-watch should be available in order to be able to register the actual times for heating up and cooling down.
- A table should be available from which you can read the parameters that are prescribed by the welding regulation for the pipe dimension to be welded.
- The heating elements are to be clean and, above all, free from grease. Therefore they are to be cleaned with non-fraying paper and detergent (e.g. technically pure alcohol or pipe-cleansing cloths which can be bought at the WIDOS company) before every welding or if they are dirty. The anti-adhesive coating of the heating element has to remain undamaged in the working area.
- Switch on heating element and set the required welding temperature on the adjustment screw on the handle.
  - If the control light flashes, the nominal temperature has been reached and is held at a constant level through a given impulse-break relationship.
- Screw in reduction inserts according to the outer diameter of the pipes to be welded, if necessary set the angle.
• Clamp the basic frame to the table holder, if required mount the table holder to the support surface or insert machine without table holder directly into the pipe system.

machine working directly in the pipe system

• Put the workpieces into the clamping tool, fasten clamping nuts tightly and align the workpieces with respect to one another.

• Insert the planer between the workpieces, arrest them on the guide bar by turning the star grip. Switch on the planer and plane with little pressing force. Planing should be carried out until a revolving cutting has been formed on both sides.

• Open slide again, switch off the planer, remove it and put it into the heat protective box. Remove the produced cuttings, thereby preventing contact with the worked surfaces.

• Close slide again.

• Check pipe mismatch and gap at the abutting pipe ends.
  According to DVS 2207, the mismatch on the pipe outside should not exceed 0.1 x pipe wall thickness, the admissible gap should not exceed 0.5 mm.
  The mismatch compensation is effected through the stronger tightening or releasing of the clamping nuts. In case mismatch compensation was effected, renewed planing has to be carried out afterwards.

• Take the adjustment force for the pipe dimension to be welded from the table and add the motivity.

• Open slide again somewhat.

• Take the heating-up time, the maximum change-over time, the cooling-down time and the bead height for the pipe dimension to be welded from the table.

• Bring the heating element which has been cleaned and brought to its nominal temperature between the pipes with the handle facing downwards (hang into guide bar).
• Close the slide smoothly with the determined adjustment force.
  The force applied can be gathered from the force scale on the handwheel.
  When the prescribed circulating bead height has been reached, reduce the force (heating up pressure = approx. 10 % of the adjustment pressure).

• Now the heating up time starts. Press the stop-watch and compare the actual time with the nominal time taken from the table.

• After expiration of the heating up time, open slide, remove heating element as quickly as possible, put it into the heat protective box and close the slide smoothly.
  The maximum time limit for this purpose is predetermined by the value for the change-over time taken from the table.

• Press the stop-watch when the welding pressure has been built up.
  If necessary, readjust the pressure during cooling down (the pressure for cooling down is the same as the adjustment pressure).

• After expiration of the cooling-down period stop the pressure, remove the welded parts and open the slide.
6. Welding record and tables

You can access our website and select our welding tables via the qr code shown here. Select “2500-ASM 160-315” and the corresponding material (PE / PP / PVDF).
Welding record and tables  

<table>
<thead>
<tr>
<th>Sheet</th>
<th>Protective measures of</th>
<th>Material</th>
<th>Welding conditions</th>
<th>Weather conditions</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>screen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>tent</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>heating</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Report for heated plate welding of tubular components

<table>
<thead>
<tr>
<th>Welding no.</th>
<th>Weld type</th>
<th>Movement pressure</th>
<th>Jointing pressure</th>
<th>Heat-up time</th>
<th>Heat-up pressure</th>
<th>I x s (bars)</th>
<th>Sig. (bar)</th>
<th>Temp. (°C)</th>
<th>Temp. (°C)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) From normal internal frequency according to 4.2.
2) The settings are the sum of the movement pressure and the indications of the manufacturer of the welding machine concerning equalization and joining pressure.
3) The measured values must be stated.

Date and signature of the welder inspector:
7. Maintenance instructions

Goal of the chapter is:
- Keeping of the nominal state and the operation capacity of the machine.
- Increasing of the efficiency by avoiding non-planned outage.
- Efficient planning of the maintenance works and the maintenance tools.

7.1. General

- Replace damaged parts immediately, be particular cautious with electrical parts - dirt and wetness are very good current conductors.

Prescribed maintenance and inspection works should be performed in time. The DVS gives the advice of inspection works after 1 year.
For machines with a specially high usage percentage the testing cycle should be shortened. The works should be performed at the WIDOS GmbH company or by an authorized partner.
- Only use WIDOS spare parts when executing repairs.

7.2. Clamping elements

- For a long service life clean and grease regularly the threaded spindles and the joint parts which are used for clamping the pipes.

7.3. Planer

- Never lay the planer onto its discs!
- The blades of the planer must be checked for sharpness. Wrong blades must be either turned over (double sided) or replaced (max. thickness of the shavings =0,2 mm!)

7.4. Storing

- Cover the guidance bars and the spindle with thin oil film.
- Store the machine dry.

7.5. Cleaning of the machine

The used materials and clothes have to be handled and disposed off properly especially
- when cleaning with solvents
- when lubricating with oil and grease

7.6. Disposal

At the end of the life time, the machine has to be disposed of properly, non-polluting and in accordance with the national laws of waste disposal.
8. Transport

- Protect against bumps.
- Handle the machine with care.
- Make sure that the box is closed correctly.
- The machine is transported by means of a transport box out of steel.
- The single elements are placed within the steel transport box.
- The steel transport box contains a rectangular insert for the planer.
- The basic machine and the table support are put at the side of the planer.
- Insert heating element with cable and temperature control in such a way that it remains beyond the strip for the reducer inserts.
- Insert both containers containing the reducer inserts.
9. Electric diagram
10. Spare parts list

You can access our website and select our spare parts lists via the QR code shown here. Select “Maxiplast”
11. Declaration of conformity

Issuing the declaration of conformity with regard to complying with the basic requirements and assembling the technical documentation is in the sole responsibility of:

Manufacturer / Installation company: WIDOS Wilhelm Dommer Söhne GmbH
Address: WIDOS GmbH
Einsteinstr. 5
D-71254 Ditzingen

Subject of the present declaration is the following device:

Product name: Heating element butt welding machine
Model name: WIDOS Maxiplast

For the stated device we herewith declare that it complies with the basic requirements stipulated in the following designated harmonizing regulations:
in the sense of the EC guideline EC-Machinery Directive 2006/42/EC

Statement of the relevant harmonizing standards referred to, or indication of the specifications that the conformity is declared for:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN EN ISO 12100</td>
<td>Safety of machines, basic concepts, general layout guidelines</td>
</tr>
<tr>
<td>DIN EN 60204.1</td>
<td>Electric equipment of industrial machines</td>
</tr>
<tr>
<td>DIN EN 60555,</td>
<td>Electro-magnetic resistance</td>
</tr>
<tr>
<td>DIN EN 50082,</td>
<td></td>
</tr>
<tr>
<td>DIN EN 55014,</td>
<td></td>
</tr>
</tbody>
</table>

Entitled to compile the technical documentation:

Name: WIDOS Wilhelm Dommer Söhne GmbH
Address: Einsteinstr. 5
D-71254 Ditzingen

Signed on behalf of the company:

Name, first name: Dommer, Martin
Function: Technical director

Heimerdingen, 07.05.2019
Place / Date

Legally binding signature

This declaration is to certify the compliance with the mentioned harmonizing regulations, however does not include any assurance of properties.