



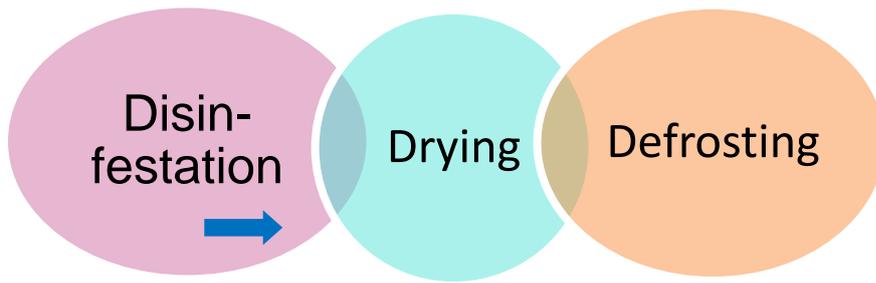
# [Shashel]

2015

[Operating manual.  
Instruction booklet]

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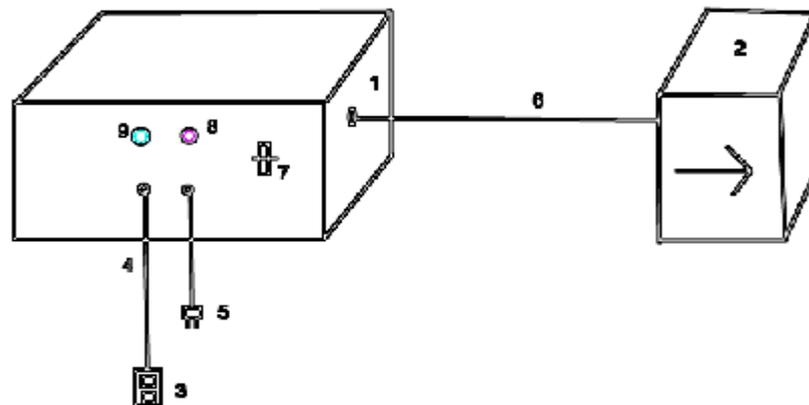
## 1. DEVICE APPLICATION

The Shashel Microwave device is designed for safe use in many settings, including private homes, warehouses, food storages, and containers. It can be used for many purposes:

- Elimination of bacteria, fungi, mould and pests, such as woodworms;
- Drying of walls, including after plastering;
- Speed-drying of adhesive joints, etc;
- Defrosting of walls and other structural elements in cases of water leakage, and for the purposes of waterproofing, and other construction works;
- Liquid glass foaming.

## 2. DEVICE CONFIGURATION AND STRUCTURE

The *Shashel device* is a remotely controlled microwave generator, made up of a *power unit*, a *microwave unit*, and a *remote control panel*.



PICTURE 1

PMC 1

1. Power unit
2. Microwave unit
3. Remote control panel
4. Remote control panel cable
5. Power cable
6. Generator unit power cable
7. Power toggle switch
8. Red indicator (Microwave generator switch-on)
9. Green indicator (Power switch-on)

## CONNECTION, SETUP, OPERATING PROCEDURE

1. Connect the device to 230V, 50 Hz power supply using the power cable (5 in picture).
2. Place the microwave unit (2 in picture) against the surface to be treated (the direction of microwave action is indicated by the arrow).
3. Turn the power supply on with the toggle switch (7 in picture). Make sure that the green indicator light is on (9 in picture).
4. **Step at least 5 meters away** from the microwave unit.
5. Turn microwave unit on by pushing ON button on remote control panel (3 in picture). Make sure that red indicator light is on (8 in picture).

TREATMENT TIME DEPENDS ON OBJECT THICKNESS, HUMIDITY, INDIVIDUAL CONDITIONS, ETC. AND IS DETERMINED EXPERIMENTALLY. IT CAN RANGE FROM 2 TO 17 MINUTES.

Treatment time is determined in the following way:

Use device to heat an area of cold material (e.g. timber) for *one minute*, then move device to heat adjacent area for *two minutes*, then move to heat next area for *three minutes* and so forth until the timber changes colour (wood will slightly darken). Once colour change occurs, treatment time is determined by subtracting one minute: e.g. *if timber changes colour after 8 minutes of heating, then total treatment time should not exceed 7 minutes.*

Treatment time will depend on particular conditions of the timber (grade, moisture, thickness, etc.).

6. Turn microwave unit off by pushing OFF button on remote control panel (3 in picture). Make sure that the red indicator light on power unit is off and let device cool down for 2-4 minutes.
7. After cooling down phase, move microwave unit to next area to be treated and repeat steps 4-6.
8. In order to finish operation, the microwave unit needs to be switched off on the remote control panel, and the power supply disconnected by using the toggle switch on power unit. Make sure that the green indicator light on power unit is off.
9. Unplug device for storage.

## SAFETY PRECAUTIONS

1. A person standing near the microwave unit can be exposed to a strong electromagnetic field.

DURING OPERATION, YOU SHOULD AT ALL TIMES BE AT LEAST 5 METRES AWAY FROM THE MIROWAVE UNIT.

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2. **BE CAREFUL!** During operation, the device is powered by high voltage. When the device is powered on, do under no circumstances simultaneously touch the microwave unit and any earthed system, including water-supply pipes.
  3. **REMEMBER!** The device should only be operated under supervision. Always switch off the microwave unit and power unit and unplug the device when not in use.
  4. If there is electric wiring and/or cables in the treatment zone, they must be disconnected from their power source. Do under no circumstances direct the microwave unit onto cables in a corrugated metal tube!
  5. Keep the entire device away from water.

6. Keep the microwave unit's display clean. Severe contamination can cause damage to the unit.
7. Never cover the device's cooling fans to avoid equipment damage.
8. Do not operate defective equipment.
9. If the device is defective contact the manufacturer.
10. Use the device only as described in this manual. The safety instructions do not comprise all possible cases and situations. As a user you must apply common sense, use sound judgment and be careful during installation, maintenance, and operation of the device.

## SPECIFICATIONS

Size of treatment area – 300 x 300 mm.

Capacity – 1,5 kW.

Operating duty – cyclic: 0.5-17 minutes of operation, 2-4 minutes of cooling down.

Supply voltage – stabilized, 230 V, 50-60 Hz.

Length of remote control cable – 15 meters.

Net weight – 16 kg.

Operating frequency - 2450 MHz.

Cooling – air.

Service life – 5 years.

## SCOPE OF SUPPLY

1. Shashel microwave device.
2. Operating manual.

Manufacturer: shashel.net

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