



# MTS GEMINI™

## OPERATIONS MANUAL



2003 Gandy Boulevard North, Suite-800 • St. Petersburg, Florida 33702 • (727) 571-1616

[www.mts-mt.com](http://www.mts-mt.com)

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## 1. Introduction and Features of the Gemini

The Gemini heat sealer is a 2-up mechanical sealer that is ideal for the long-term care and hospital pharmacy provider. The compact design allows pharmacies with space constraints to improve the packaging of medications into punch cards. The Gemini is an economical heat sealer that gives a consistent seal when used with MTS Medication Technologies' punch cards.



## **2. Installation**

The Gemini Sealer has been securely packed for safe shipping. It is recommended that the box be saved for any future re-shipping needs. Enclosed in the box are the Gemini Sealer and corks (as per order).

Carefully remove the machine and components and place it on a sturdy level work surface, where it will be used, within reach of a 110v electrical outlet.

The Gemini Sealer should be on a level work surface in an area free from distractions, preferably against a wall near an electrical outlet.

1. Plug the machine into the 110v outlet nearest the machine. Extension cords are not recommended.
2. Place the cork dies on the sliding tray.

### 3. **Safety**

The Gemini Sealer should be on a level work surface in an area free from distractions, preferably against a wall, near an electrical outlet. Close proximity to the bulk medications and to the area in which they will be stored after prepackaging, would also be beneficial.

As with any piece of electrical equipment, the safe operation requires the operator to observe and follow safe operating practices. Please report all unsafe operating practices to your immediate supervisor for local resolution.

Please ensure that you turn off and unplug the machine while carrying out any maintenance.

**Note: Internal surfaces are hot during operation.**

## 4. Operating the Gemini Sealer

### 4.1 Operating Instructions

1. Turn on the Gemini Sealer and wait for the temperature to increase to 300°F. (approximately 10 minutes)
2. Select corks suitable for the blisters you will be filling, i.e., 30-, 60- or 90-day
3. Select seal time using the toggle switch on the side. Eight (8) seconds for card and blister, three (3) seconds for foil and blister.
4. Fill blisters and place onto cork paddle.
5. Place filled blister and card/foil into the cork. Ensure cards are closed and foil is in place.
6. Slide the paddle into the Gemini Sealer using the handle.
7. Simultaneously push the buttons on either side of the Gemini Sealer. This lowers the heater plate on to the blisters. After the specified time (3 or 8 seconds), the heat plate is automatically raised.
8. When the Gemini Sealer has released the card, remove the paddle and take out the sealed cards.

**DO NOT PLACE HANDS INTO THE MACHINE**

### 4.2 Temperature Control Setting

- The digital readout from this is the current temperature of the heat sealer.
- The set temperature (i.e., the temperature that the control is trying to maintain) is fixed at the factory; it will be 300°F.
- To view this temperature, press and hold the left hand (LH) button on the calibration control.
- To change this setting, hold down the LH button, use the “Δ” and “∇” keys to set a new desired temperature.
- When the desired temperature is displayed, release the keys. This is the new ‘set’ temperature.

**If you try and set this too far away from the factory setting, when you release the LH key, ‘AL’ will be displayed in the readout. This means you have adjusted it too far. Please follow the same procedure to re-set.**

## **5. Routine Maintenance**

The Gemini Sealer is a maintenance free machine, built to last a long time and should not require any adjustments.

Please clean regularly.

### **5.1 Cleaning**

1. Ensure the machine is turned off and unplugged before cleaning the machine.
2. Let the machine cool down.
3. Clean the machine with a damp rag soaked in a little alcohol
4. Do not soak any part of the machine.
5. Leave machine to dry for approximately ½ an hour before using again.

## 6. Troubleshooting

### 6.1 Blister or Medication has been directly sealed to heater plate.

1. The material will need to be removed as soon as possible from the heating plate.
2. Turn off and unplug the machine.
3. Remove the paddle.
4. **Using protective gloves**, try to scrape off as much of the material with a non-metallic spatula and brass or stainless steel wire brush. Remove any debris.
5. Plug in and turn on.
6. Seal 3 - 4 empty cards to further remove any residue

### 6.2 Cards are not sealing adequately.

Check bottom of heat plate for melted material. If the heater plate has been contaminated, follow above procedure. If the plate is clean:

1. Check temperature, pressure and seal time.
2. The temperature should read at least 290F (wait at least 10 minutes).
3. The timer should be sealing for at least 3 or 8 seconds, as selected.

If any of the above items are incorrect, **please contact MTS. See 'Contacts' page.**

### 6.3 Loss of power

The Gemini has two (2) fuses. One is a 15 Amp, which protects the machine. The other is a 6 Amp, which protects the motor. Both fuses are located on the right hand side of the machine.

**If there is no power, the temperature controller display does not come on.**

Unplug the machine. Check/Replace the 15 Amp fuse. To do this, unscrew the fuse holder. With the new fuse in place, turn the machine on. If you still have no power, contact our service department.

### 6.4 The heat plate does not move when activated.

Unplug the machine. Check/Replace the 6 Amp fuse. To do this, unscrew the fuse holder. With the new fuse in place, turn the machine on. If the motor still does not operate, contact service department.

### 6.5 The heat plate becomes stuck in the sealing position

Press and hold the red 'Reset' button on the right of the machine until it completes its cycle. This should reactivate the motor and bring the heat plate into the up position. If this fails, follow the above procedure (6.3) to replace the 15 Amp fuse.

**IF YOU ARE EXPERIENCING ANY PROBLEMS,  
PLEASE DO NOT HESITATE TO CONTACT MTS.**

**7. Contact Information**

Technical Service (USA)

(001) 800 671 0470

Technical Service e-mail (USA)

[technicals@mts-mt.com](mailto:technicals@mts-mt.com)

Customer Service (USA)

(001) 800 845 0053

**8. Technical Specifications**

<b>Power Supply</b>	120V AC 15 Amp
<b>Overall Dimensions (approximate)</b>	Width: 16" Depth: 23" Height: 9"
<b>Weight</b>	56 lbs.
<b>Seal Plate operating Temperature</b>	300° F
<b>Seal Time</b>	Adjustable 3 or 8 seconds