



AUTOGEN

OPERATIONS MANUAL



MTS Medication Technologies, Inc.
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Introduction

Congratulations on your purchase of the AutoGen sealer.



This machine is an electrical/mechanical heat-sealer. This machine has many exciting features, all of which are meant for efficient packaging of medications into punch cards and unit-dose packaging. The compact electric motor-driven design is ideal for pharmacy providers for Long Term Care and hospitals, where workspace is at a premium and a compressed air-supply system is not available.

System features include:

- Dual Timer (**2 & 4-second** selectable seal time)
- Digital Controls with temperature readout to help operator easily and accurately set sealing temperature.
- Induction motor provides quiet electric operation with over 500 pounds of sealing force to allow a fast sealing process.
- Innovative design that allows the sub-base plate (Product Spacer) to be easily removed to accommodate a thicker paddle for deeper blister size.
- Innovative design that limits the travel of the heat plate (Overload protection circuit)
- A standard 2-up sealing paddle to seal MTS punch cards and unit-dose packaging.
- Enhanced air-flow design, allowing lower heated air emissions.
- Stainless steel and anodized aluminum construction, allowing easy cleaning.
- Undercarriage access to the heater plate for easy cleaning.

Please take the time now to thoroughly read through this manual to become acquainted with them. It will explain some key features, concepts and methods that will save much time and effort in using this machine and in your heat sealing applications.

Safety

Enclosed in the box are as follows:

- 1 AutoGen Sealer
- 1 Product Spacer Plate w/ machine (per ordered).
- 2 Paddle Guides w/set screws
- 1 Operations Manual

It is recommended that the box be saved for any future re-shipping needs.

NOTE:

The AutoGen sealer weighs approximately seventy –five (75) pounds. Be careful when removing the AutoGen from its packaging.

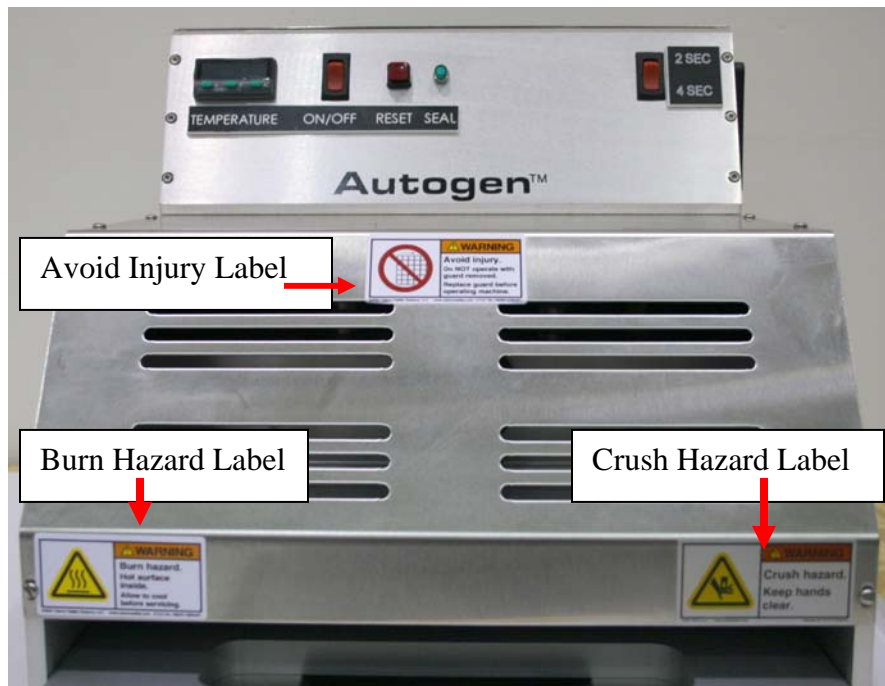
- Locate the Sealer Machine on a firm, sturdy work surface. It is recommended that the height of the bench/work space the machine is on would be ideally 27” to 32’ high and the work area has a 4” free and clear around the machine on its front, back, and sides to ensure the proper circulation of air through the machine during operation.
- An AC outlet within 6 feet of the machine is ideal (extension cord is not recommended)
- Select the correct Paddle and Product Spacer thickness combination(See Page 6)
- Select the right paddle to use for your blisters (see page 7)

WARNING

**Read and understand operator’s manuals before using this machine.
Failure to follow operating instructions could result in injury or damage to equipment.**



The AutoGen is designed with safety in mind, but safe operation is the responsibility of the operator. For safe operation of the machine, the operator should begin by becoming familiar with all information in the manual and locating and observing all warning labels.



The front of the machine, the “**Burn hazard**” and “**Crush hazard**” labels are located at the bottom of the stainless steel cover. Above them centered in the middle is the “**Avoid injury**” label. Located on the back center of the machine is the “**Hazardous voltage**” label.



These labels meet Federal (OSHA) requirements and should be observed to insure a safe operation of the machine.

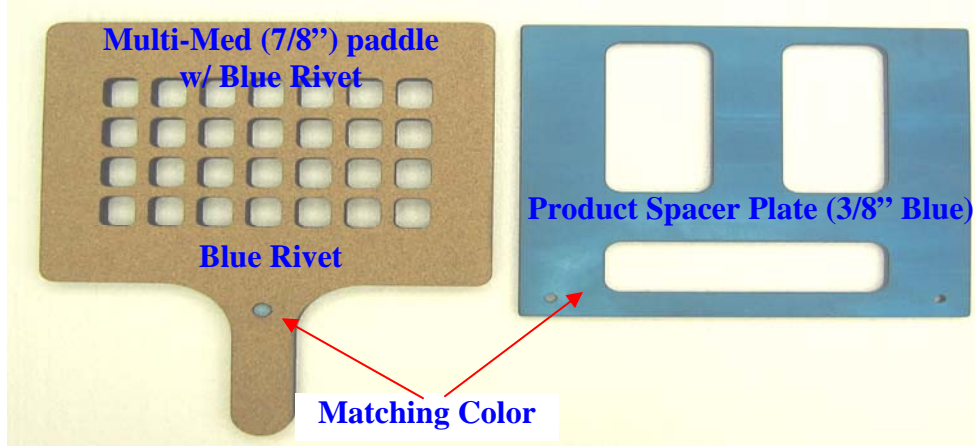
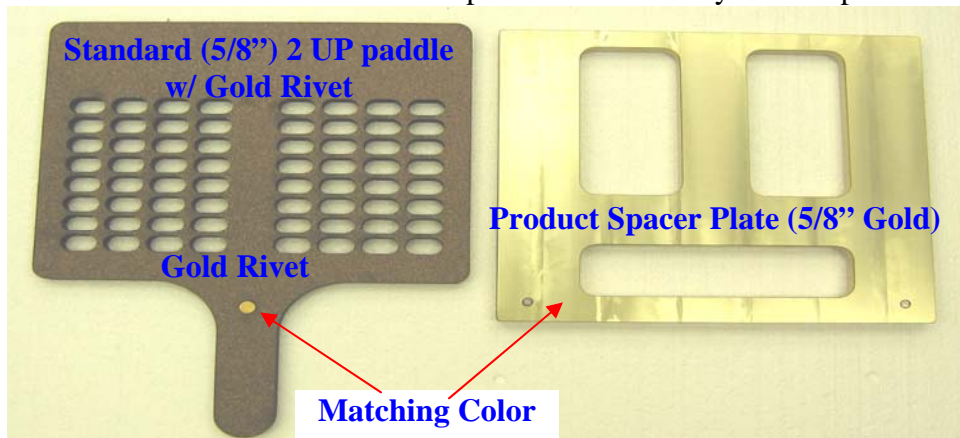
Setup & Suggestions

Different Paddle Thickness

As mention earlier this machine has an innovation design that allows the sub-plate (Product Spacer) to be easily removed to accommodate a thicker paddle with deeper blister size.



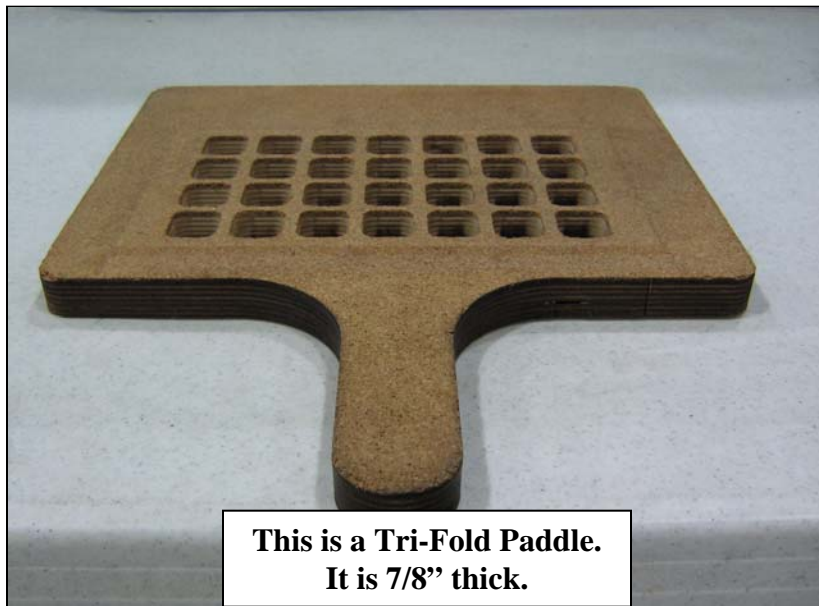
- The **Product Spacer** is an Aluminum Plate with 2 steel dowel pin in the front.
- The **Standard 2-UP Paddle** is 5/8" thick which requires a 5/8" **Product Spacer Plate** for proper sealing.
- The **Tri-Fold Paddle** is 7/8" thick which requires a 3/8" **Product Spacer Plate** for proper sealing.
- Color Coded Paddles and Product Spacer Plates for easy match up.



- Failure to USE the correct Product Spacer may cause poor sealing and/or damage to machine.
- Follow the instruction below, When changing Product Spacer Plate.



Hold onto edge of **Product Spacer** here. Lift up and Pull Out



**This is a Tri-Fold Paddle.
It is 7/8" thick.**

Selecting Type of Paddle

- Select cork paddle suitable for the size blisters you will be filling, i.e., 30's, 60's, or 90's.
- Place blister into the card and rest it on the cork paddle as pictured right, foil side up.
- Fill the blisters with medication and fold the cover onto the blister side.



Make sure cover is folded on both card as shown.



Installing paddle guides

Locate the threaded hole for each paddle guide along the front of the sub-base plate (Product Spacer). Secure the (2) paddle guides in place, one on each side as shown below.



Paddle guides

Place the cork paddle onto the paddle guides making sure it is level.



Using the handle, slide paddle all the way into machine and the shoulder of the paddle should be flushed with the stainless steel front cover. This procedure will insure the integrity of the heat seal and prevent damage to the machine.

(Note: Failure to slide paddle completely into machine may cause damage).



Basic Use

Turning “ON”

Power ON/OFF Switch

Timer Select Switch



Seal time & Temperature Settings

When the AutoGen is turned on, the temperature controller display will activate.

- The digital display will begin with room and increase to Factory Pre-set temperature (315° F or 157°C).
- During normal operation temperature may vary a few degrees depending on use of the machine and temperature of the ambient air surrounding it.
- Select the Sealing Time (**2-second** for Foil & Blister or **4-second** for Card & Blister)

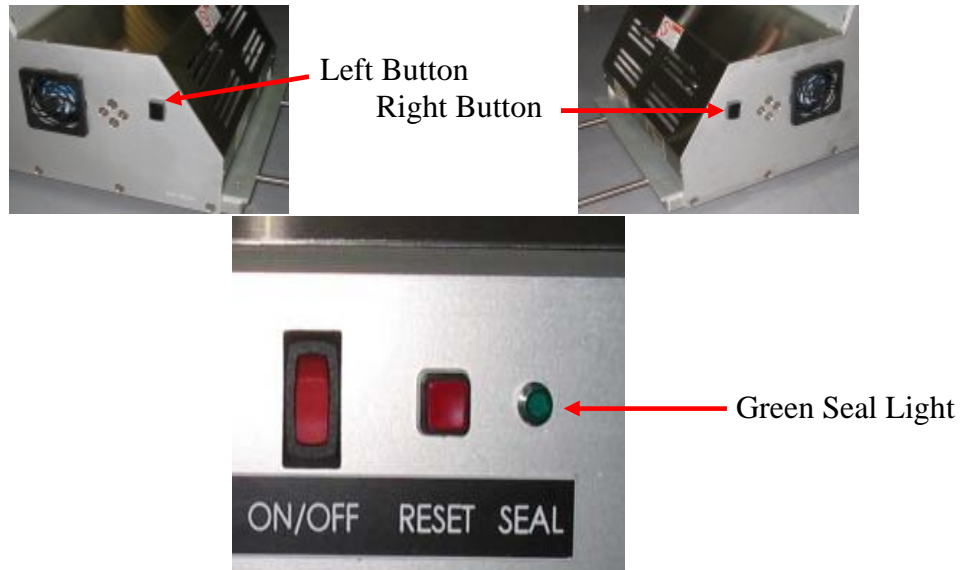
Changing Temperature Setting:

- Press and hold the **STAR *** key and use the **Up (Δ) & Down (∇) keys** to set desired temperature setting.



Sealing

To start the heat-sealing process, locate the push buttons on each side of the machine and simultaneously depress them. This action activates the motor and lowers the heater plate onto the paddle and seals the cards. The **green seal light** comes on when it is in the Seal position. (Sealing process will not be activate if the push buttons are pressed more than 0.5 seconds apart)



The heater plate will return to “HOME” position after seal time is completed. You may now slide the paddle out and remove the sealed cards. Be careful when removing cards because they are hot after sealing.



Note: Internal surfaces are hot during operation

NEVER PUT HANDS IN MACHINE

Maintenance



The majority of the AutoGen Sealer has been designed to be as maintenance free as possible. There are a few aspects of the machine that should be monitored to ensure proper operation.

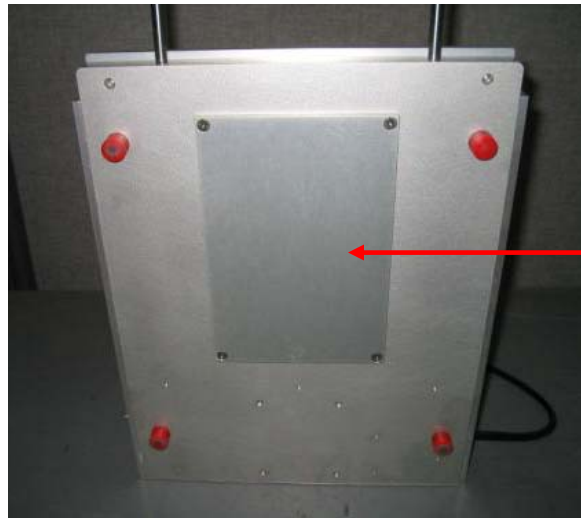
Cleaning

- Ensure the machine is turn off and unplugged.
- Let the machine cool down.
- Clean the machine with a damp rag soaked in little alcohol.
- Do not soak any part of the machine.
- Avoid excess liquid into vent areas of machine.

Leave machine to dry for approximately ½ an hour before using again.

Blister or medication has been directly sealed to heater plate.

- The material will need to be removed as soon as possible from heater plate.
- Turn off and unplug the machine.
- Remove the paddle.
- Carefully tilt the machine on to its back
- Remove access plate cover by removing four screws



Access plate cover installed with four screws. Remove screws to access heater plate for cleaning.

- Using protective gloves scrape off as much of the material with a non-metallic spatula, preferably hard plastic. Remove any debris.
- Plug in and turn machine on
- Seal 3 - 4 cards to further remove any left- over residue.

Troubleshooting

Loss of power

The temperature controller display does not come on.

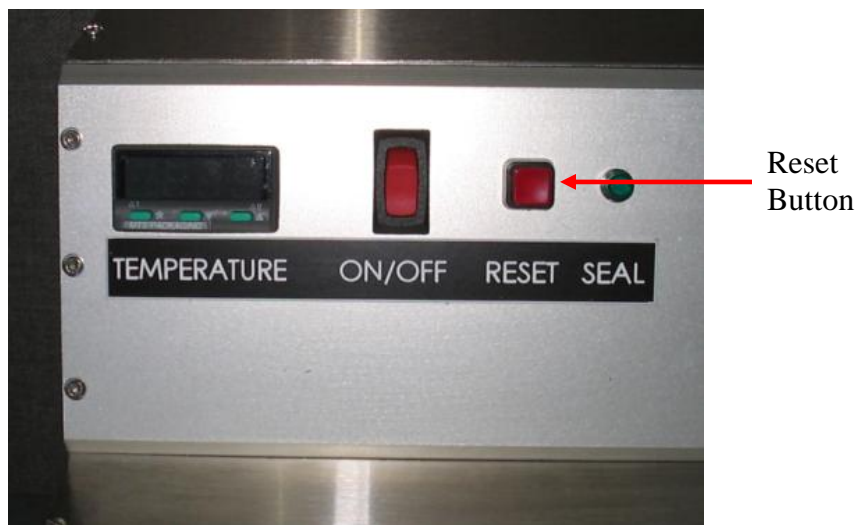
- The AutoGen has a 15 amp internal fuse (GMA) that protects the entire circuitry.
- Unplug the power cord: Check/Verified AC outlet has power
- Check/replace the 15 Amp fuse of machine (requires an authorize technician.)

The heater plate becomes stuck in the down or seal position.

- Wrong thickness paddle and/or Product Spacer combination may have been in use.
- Please contact MTS. See 'Contacts' page.

Un-intentional sealing process

- Locate the reset button on the electronic display panel. Push the reset button.
- The heater plate will return to its up "home" position where you should be able to re-start the heat sealing process



Cards are not sealing adequately.

- Check bottom of heat plate for melted material. If the heater plate has been contaminated, follow procedure in Maintenance Section.
- The temperature should read at least 315° F or 157°C)
- The Sealing Time for Cards and Blisters should be about 4 seconds.
- The Sealing Time for Foils and Blisters should be about 2 seconds.

The goal of MTS is to provide Innovative, Quality, and Cost Effective Products Designed to Increase Customer Productivity.

Contact Information

Technical Service (USA)

(727) 571-1616

Technical Service e-mail (USA)

technical@mts-mt.com

Customer Service (USA)

(1) 800-845-0053

Technical Specifications

Power Supply:	120V AC 15 Amp
Overall Dimensions (approximate):	Width 23" Depth 13 ½" Height 13 ¼"
Weight:	75 lbs
Seal Plate Operating Temperature:	315° Fahrenheit or 157° Celsius
Seal Time:	2-Seconds & 4-Seconds