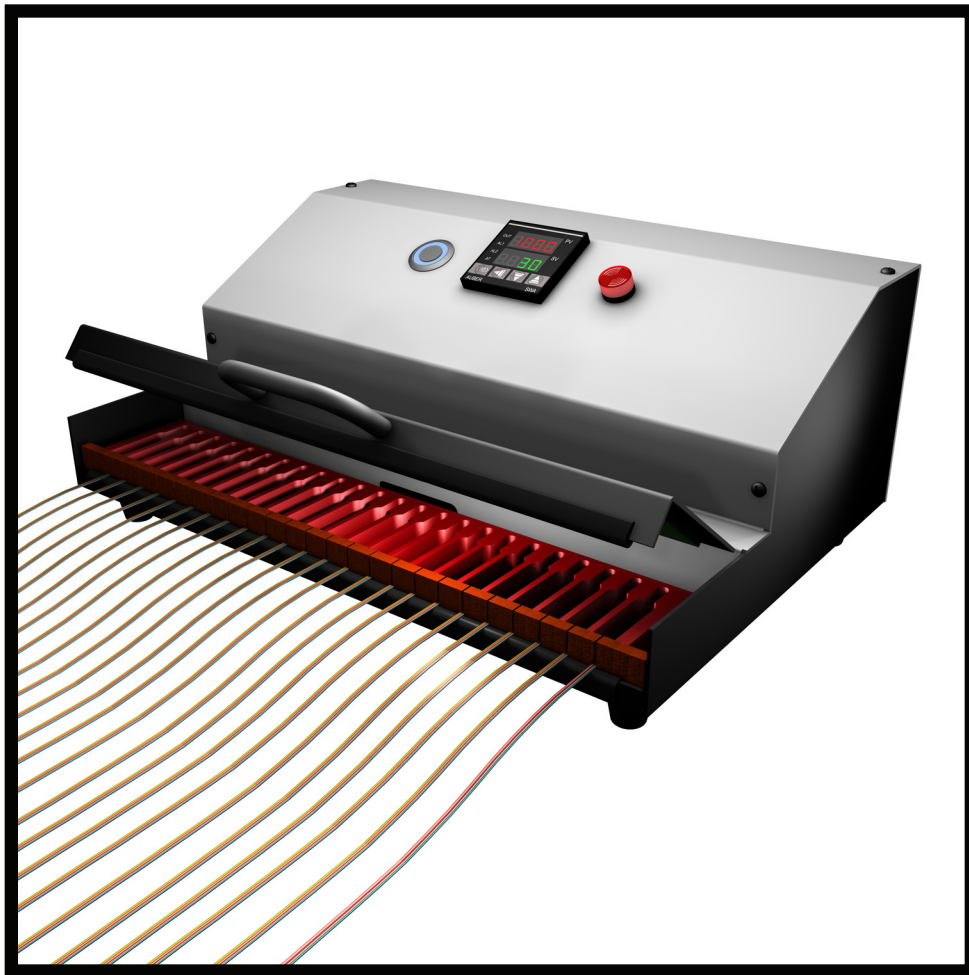


MTV-24

MT CONNECTOR CURING OVEN INSTRUCTION MANUAL



NANOMETER TECHNOLOGIES

MTV-24
CONNECTOR CURING OVEN
INSTRUCTION MANUAL

Document Number RE:MTV-24-CCN-01A

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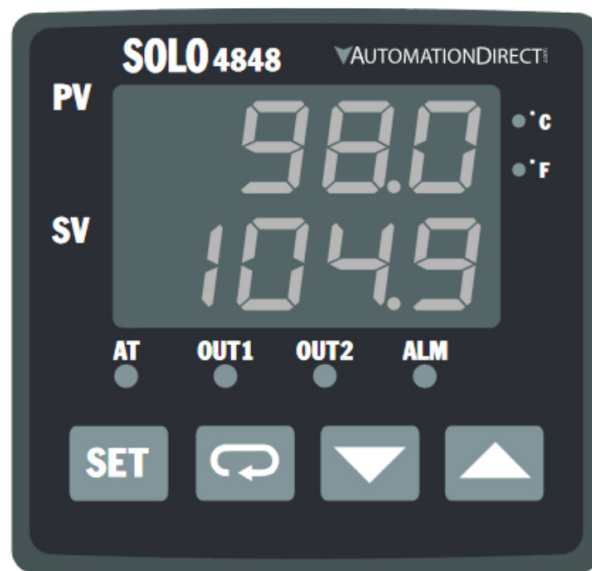
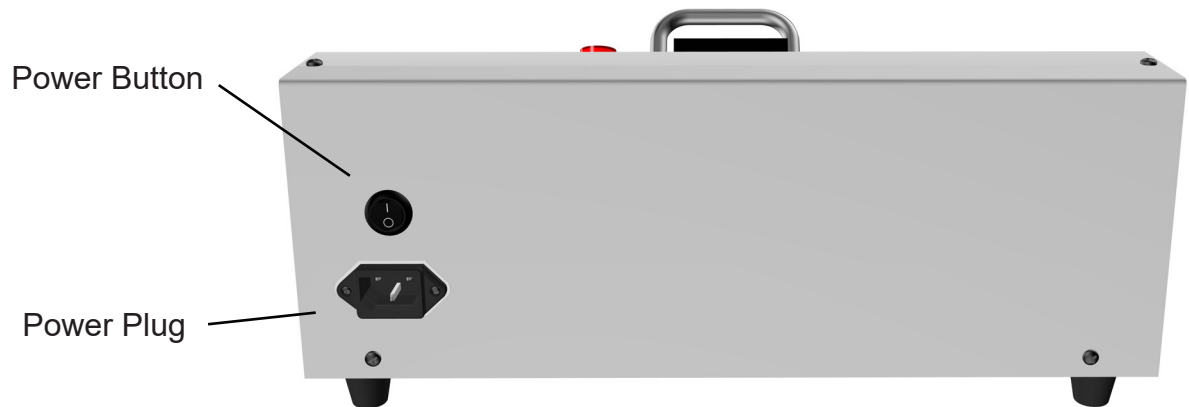
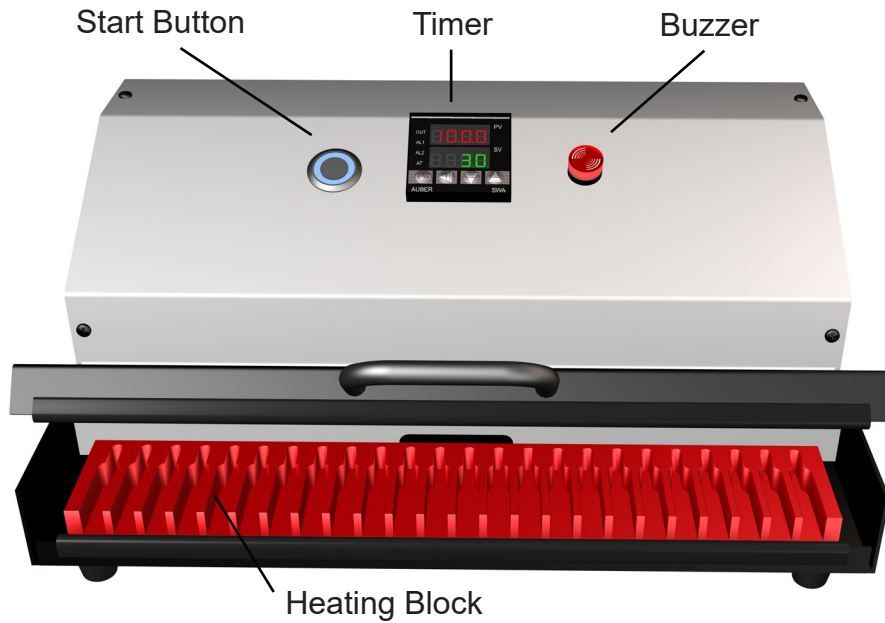
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MTV-24 DIAGRAM LAYOUT



Temperature

Timer

Set
Button

Enter
Button

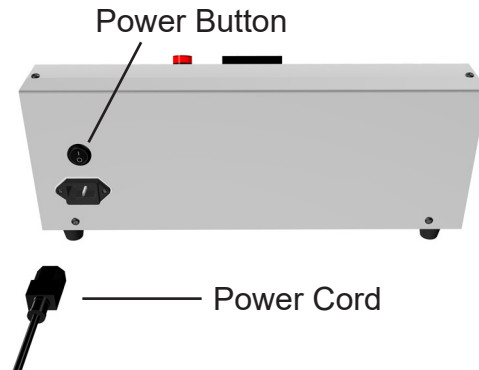
Down
Arrow
Button

Up
Arrow
Button

STEP 1 Turning on MTV-24

Plug Power Cord into the MT-24.

Use the Power Button to turn on MT-24



STEP 2 Setting Temperature

Prepare and load connectors per the standard MT-24 manual. The SMART OVEN controller has advanced programming functions not covered in the standard manual so please follow the directions below for operation. This oven ships preprogrammed to run the LMCO heat profile shown below:

Process Step	Description	Temp (C)	Duration (min)
0-00	Preheat Ramp	80	5
0-01	Preheat Soak	80	10
0-02	Temp 1 Ramp	100	3
0-03	Temp 1 Soak	100	7
0-04	Temp 2 Ramp	125	3
0-05	Temp 2 Soak	125	7
0-06	Temp 3 Ramp	150	3
0-07	Temp 3 Soak	150	7
0-08	Cool down	20C	15



When the oven is first powered up (power switch on the rear) the controller display will come on, self-test and then display on screen.

STEP 3

Setting Timer

To prepare the oven to start the LMCO process, press the ENTER button on the controller. Using the Up and Down Arrow keys, navigate to the start screen.



Press the SET button to begin the heating process. Pressing SET a second time will display the current temperature of the heater and Process Step.

At anytime during the process you can query the system to determine the status of the process by using the up and down arrows to select the desired input, followed by pressing the SET button. Your three choices are:

- a. P-St: Process Step
- b. SP : Temperature Set Point (C)
- c. r-tL : Remaining Process Step Time (min)

At the completion of the process, a buzzer will sound and the red DONE light will illuminate. Press the ENTER button then use the UP ARROW or DOWN ARROW to select the STOP mode and press SET. This will stop the buzzer and reset the unit for the next use.

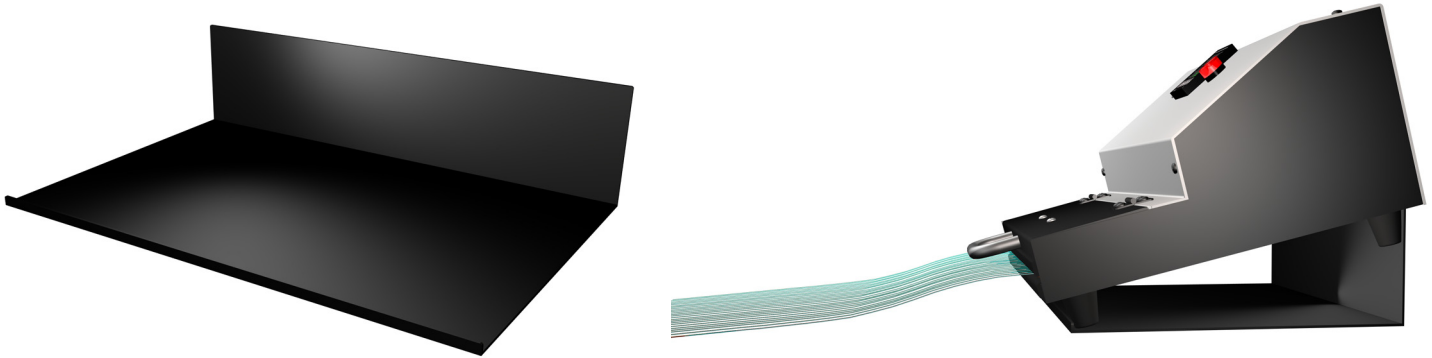


ENTER Button

CAUTION : Do not press the ENTER BUTTON at anytime other than at the beginning and the end of the cycle. Doing so may cause the process to be interrupted and reset.

STEP 4 Placing Connectors in Oven

OPTIONAL 30° Degree Riser

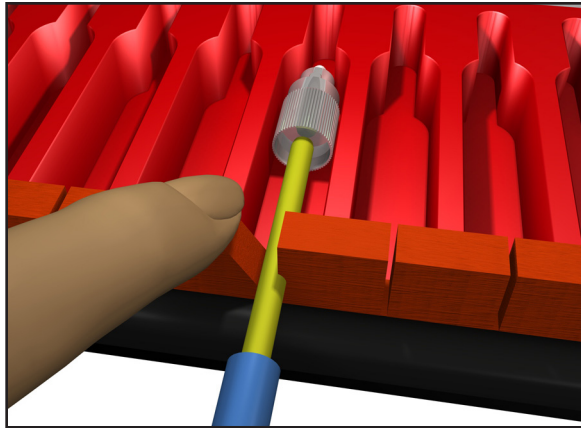


The MT-24 comes with an optional 30° degree riser. If the riser is going to be used, place the MT-24 on the riser before starting a process.

Once the oven has reached the desired temperature, open the lid and begin placing the connectors into the **Heating Block**.



STEP 4 Placing Connectors in Oven

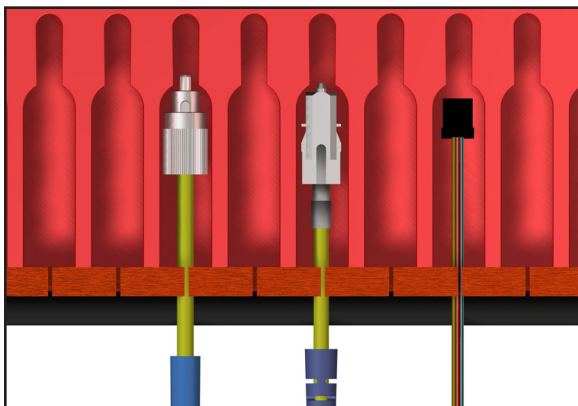
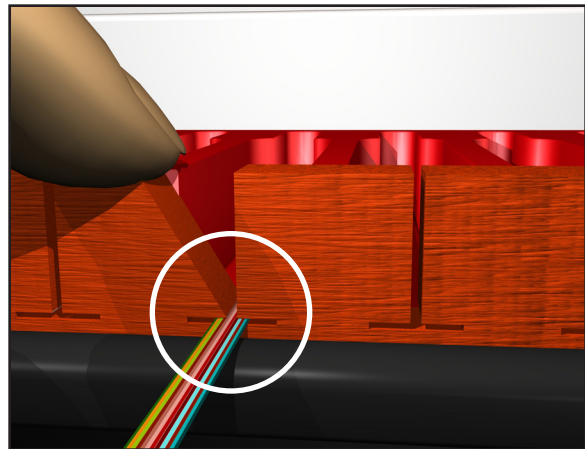


Separate the foam and place the connector into the slot.

CAUTION:

Avoid touching the Heating Plate. The plate will be HOT.

The slots in the foam are T-shaped. When inserting MT connectors, carefully press the fiber ribbon to the bottom of the slot. The Fiber Ribbon should sit flat on the bottom of the slot.



To ensure proper epoxy curing, make sure the connectors are resting in the positions shown. Connectors with Ferrule Tips should be resting with the Ferrules sitting in the narrow section of the Heating Block.

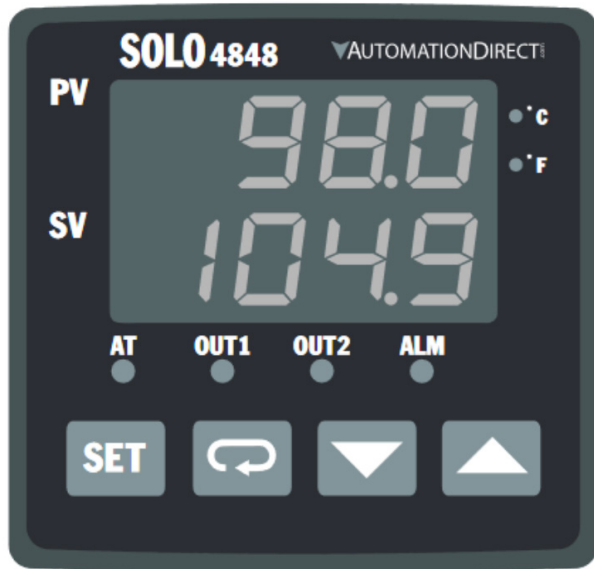
When curing MT connectors, make sure the epoxy window is facing up.

Carefully close the lid when all connectors have been properly placed into the Heating Block.

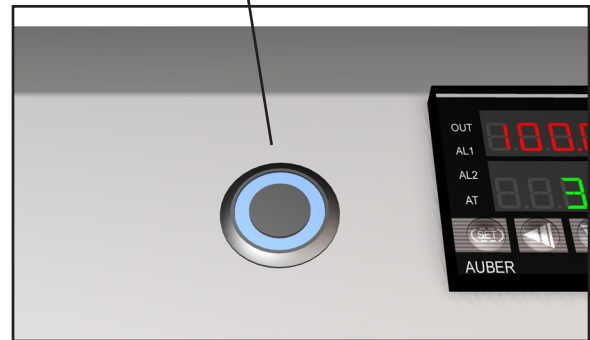


STEP 5 Start Oven Timer

Press the **Start Button** to start the **Timer**. The Blue light will shut off while the Timer is running.



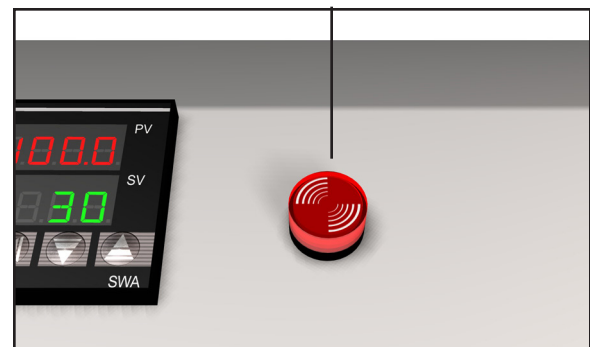
Start Button



The Timer will begin to countdown to zero.

When the Timer has completed, the **Buzzer** indicator will emit a light and a loud buzzing sound.

Buzzer



STEP 6 Remove Connectors from Oven

Carefully remove connectors from oven.
Let connectors cool down before inspection.



MT-24 Specifications:

Size:	13"W x 9.5"D x 5"T
Weight:	7lbs
Temperature Accuracy:	0.5%
Temperature Stability:	+/- 2.5%

Works with these Connectors:

Most 2.5 Ferrule Connectors including:

FC, SC, FC/APC, SC/APC, ST Mil-Spec, SMA, etc.

1.25 Ferrule Connectors:

LC

Small Ribbon Connectors:

MT, MT/RJ

Limited Warranty

Nanometer Technologies products shall be free of defects in material and workmanship for a period of 1 year from the date of purchase.

In the event of a defect in materials or workmanship, we will either replace or repair without charge (not including shipping costs) at our option any part which in our judgment shows evidence of such defect within 1 year (90 days for fixture plates) from the date of purchase. ***This warranty does not apply to misuse, abuse, tampered, or altered items.*** At the end of the warranty period Nanometer Technologies shall be under no further obligation expressed or implied. This warranty is in lieu of any other warranty, under no circumstances will Nanometer Technologies be liable for any loss, damage, expense or consequential damages of any kind arising in connection with the use or inability to use Nanometer Technologies products.

Warranty will be voided if tamper seals are broken on any product or unit is opened by any person not authorized by Nanometer Technologies without prior permission.

NOTES:

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