# Um MT

## INSPECTION SCOPE

# INSTRUCTION MANUAL


NANOMETER TECHNOLOGIES

**Um MT Inspection Scope**

**INSTRUCTION MANUAL**

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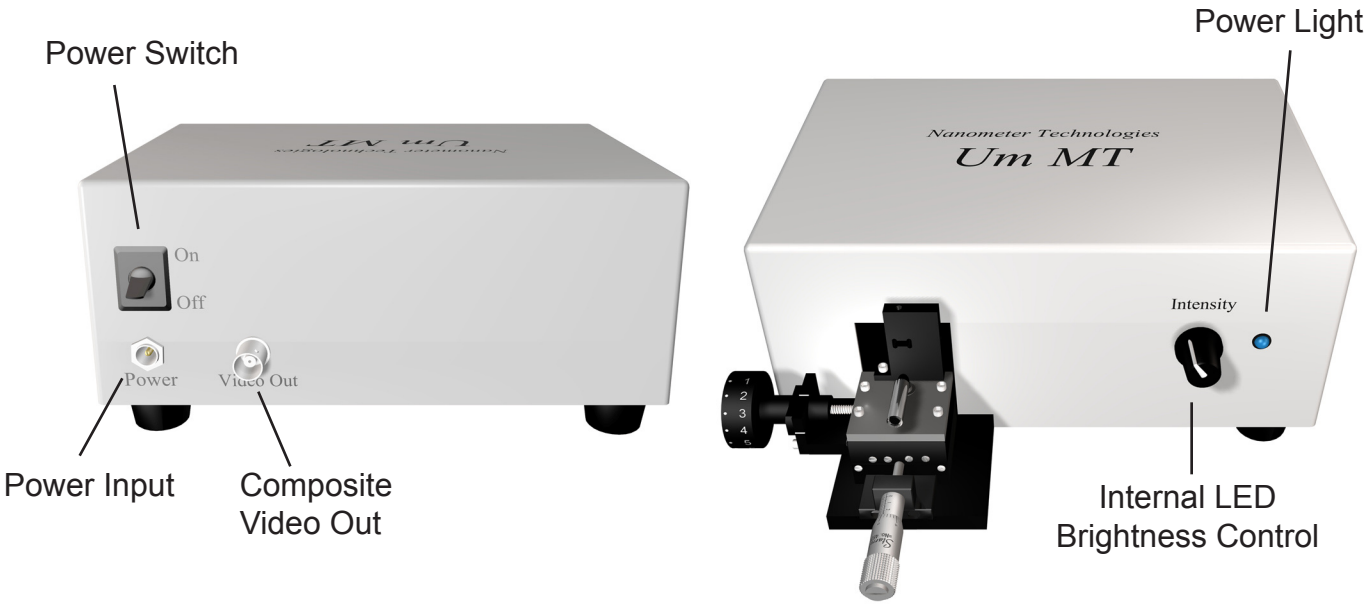
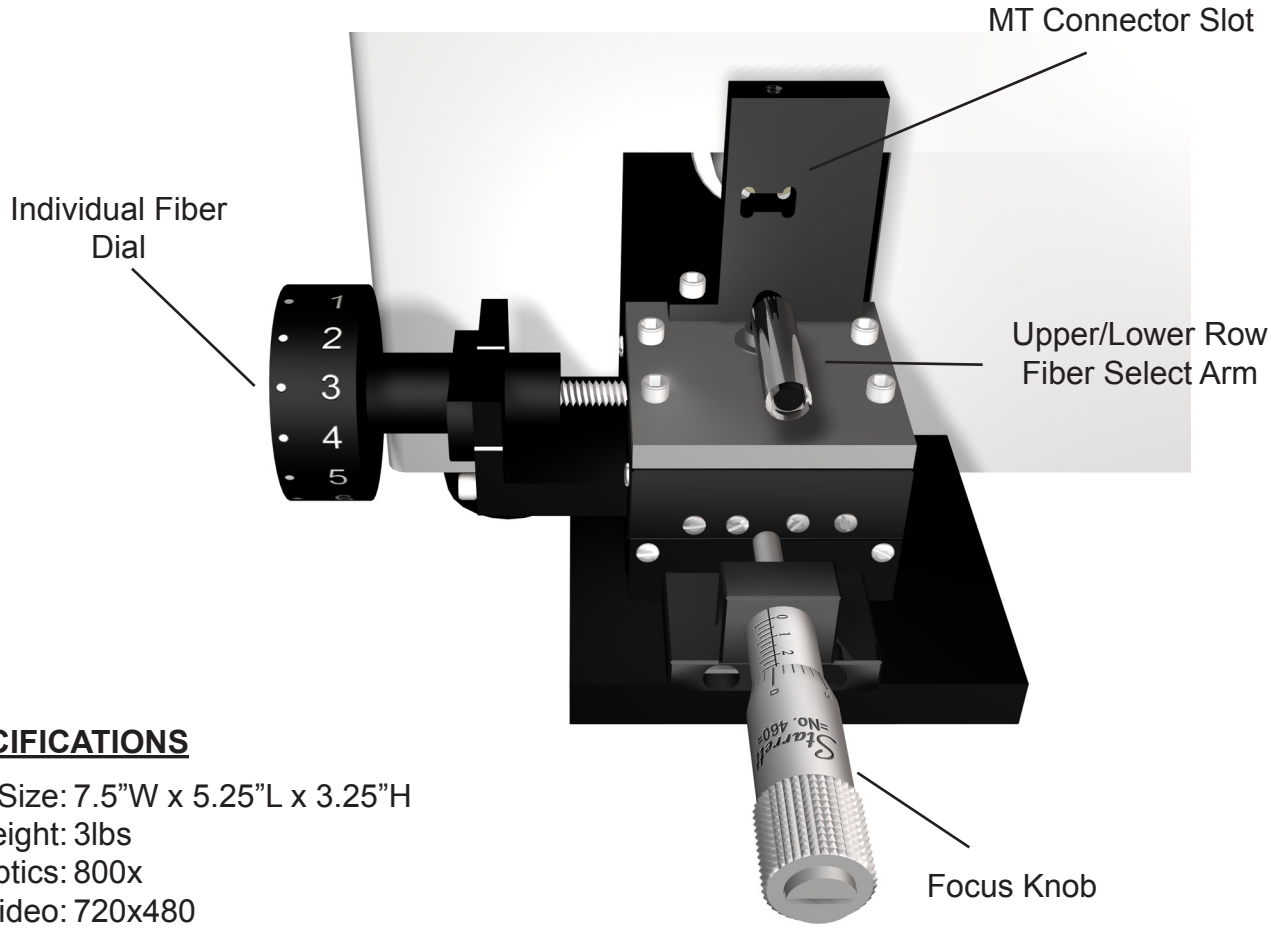
# TABLE OF CONTENTS

# **Um MT** DIAGRAM LAYOUT




**SPECIFICATIONS**

Size: 7.5”W x 5.25”L x 3.25”H
Weight: 3lbs
Optics: 800x
Video: 720x480
Power: 12VDC

## Setting up Um MT

To set up the Um MT, you will need the following items:

**12 VDC Power Supply**

**BnC to RCA Connector**

**RCA USB Video Addapter**

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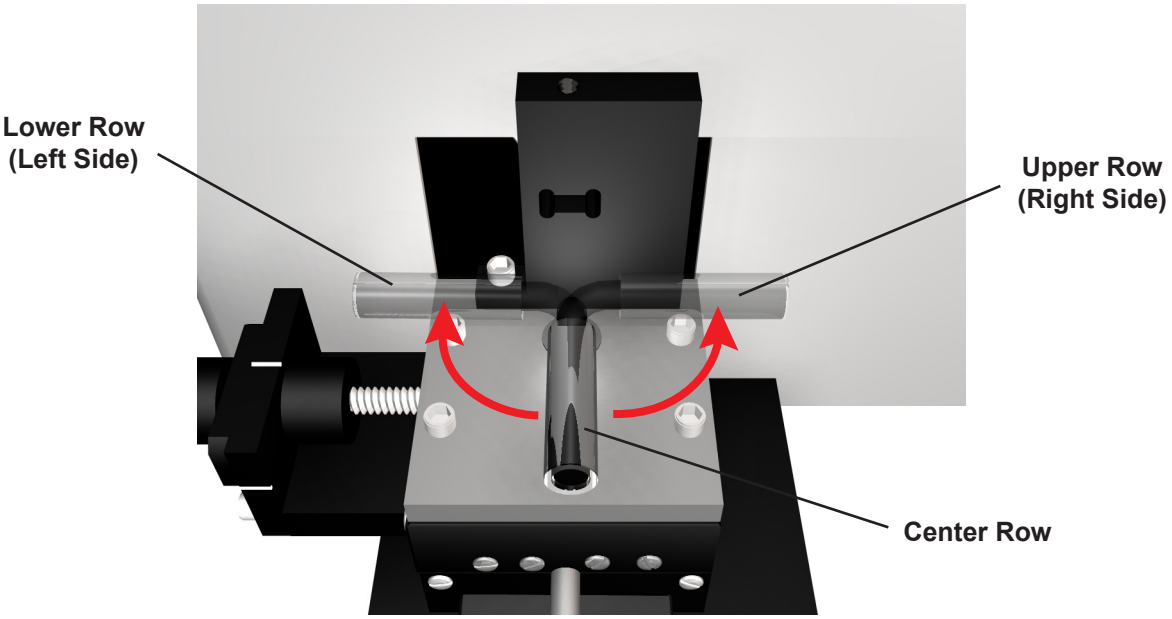
Plug in the **12VDC Power Supply** into the **Power Slot**. Plug power suppply into a standard 120VAC wall socket. Attach the **BnC Adapter** to the **Video Out**. Attach the **RCA Cable** to the **BnC Adapter**. Turn Power on. Plug **USB Video Adapter** into an open USB slot on computer.

The **Um MT video output** can also be plugged directly into a monitor. Use a **Composite to VGA Adapter** to use with a VGA compatible monitor.

## STEP 1 Setting Connector Row




Adjust the **Fiber Row Arm** to the style of MT connector being inspected.

**Center Position -** Standard 12 Fiber MT Connector
**Right Position -** Upper row of 24 Fiber MT Connector
**Left Position -** Lower row of 24 Fiber MT Connector

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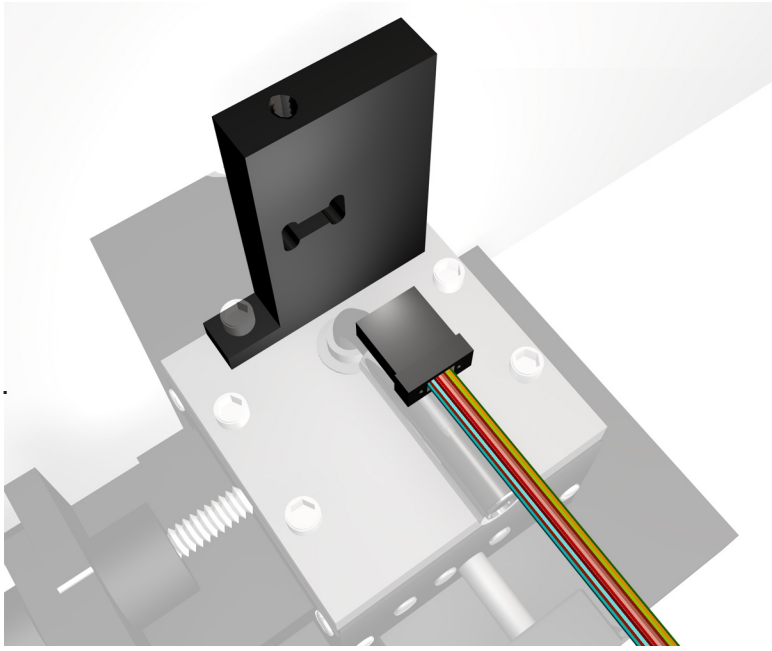
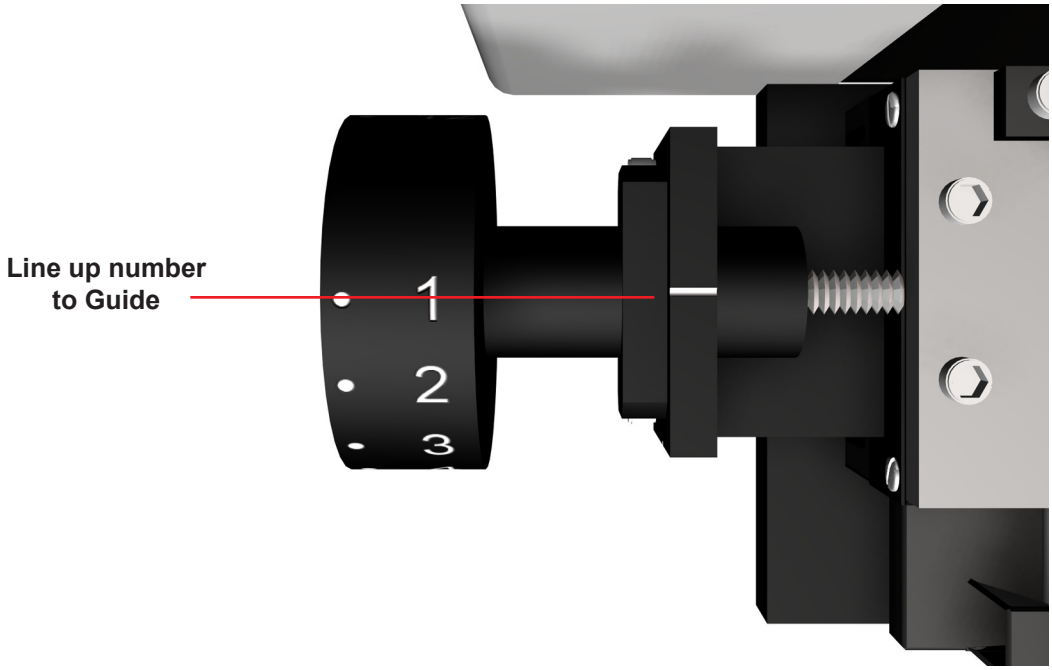
## STEP 2 Inserting Connector

Insert **MT Connector** into the **Connector Slot**.

**IMPORTANT:**
Insert connector with the epoxy window DOWN.



## STEP 3 Selecting Fiber #1




Turn the **Individual Fiber Dial** to the #1 postion. Make sure the number lines up with the guide on the right side of the dial.

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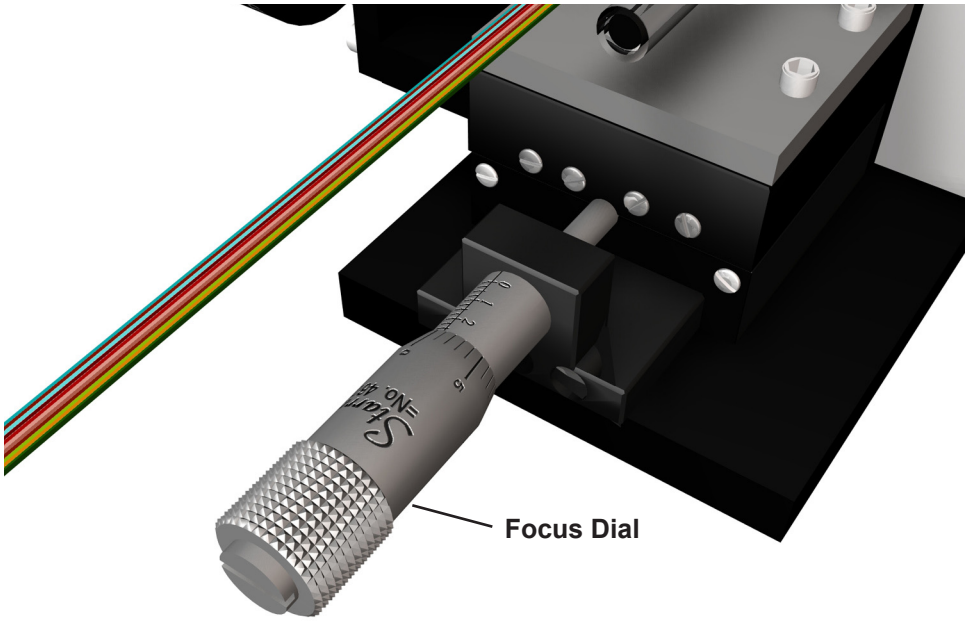
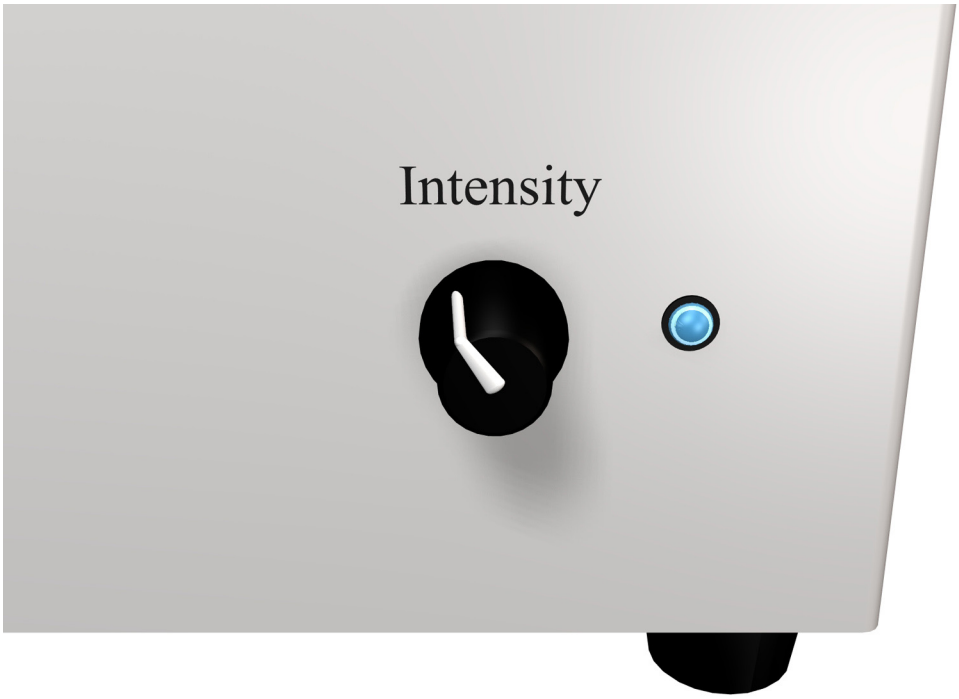
## STEP 4 Focusing the Fiber




Adjust the **Focus Dial** to sharpen the image on the screen.

## STEP 5 Adjust Image Intensity




Adjust the **Intesity Dial** to brighten/darken the screen image

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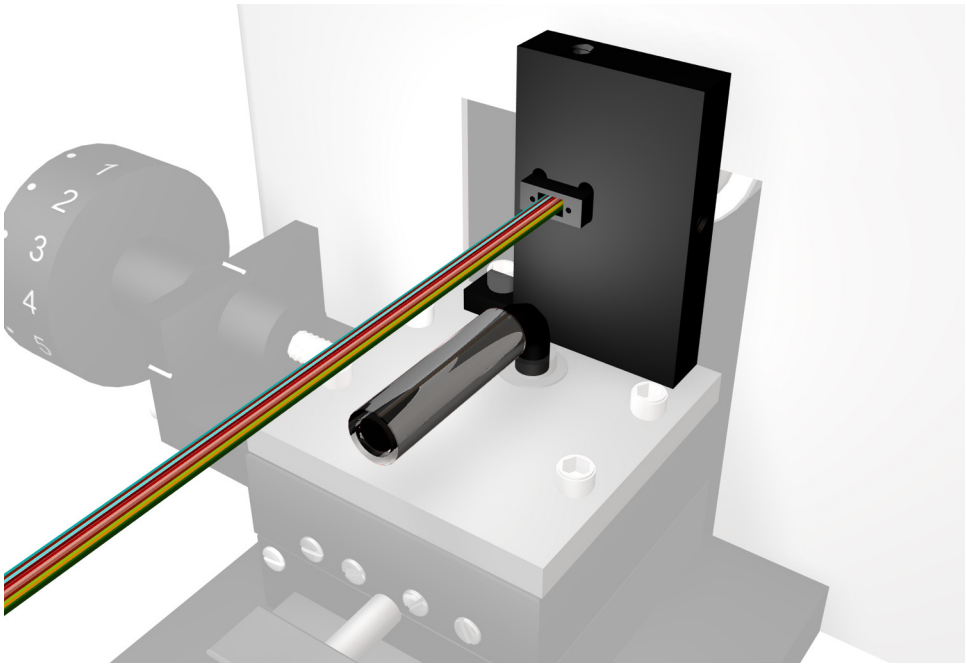
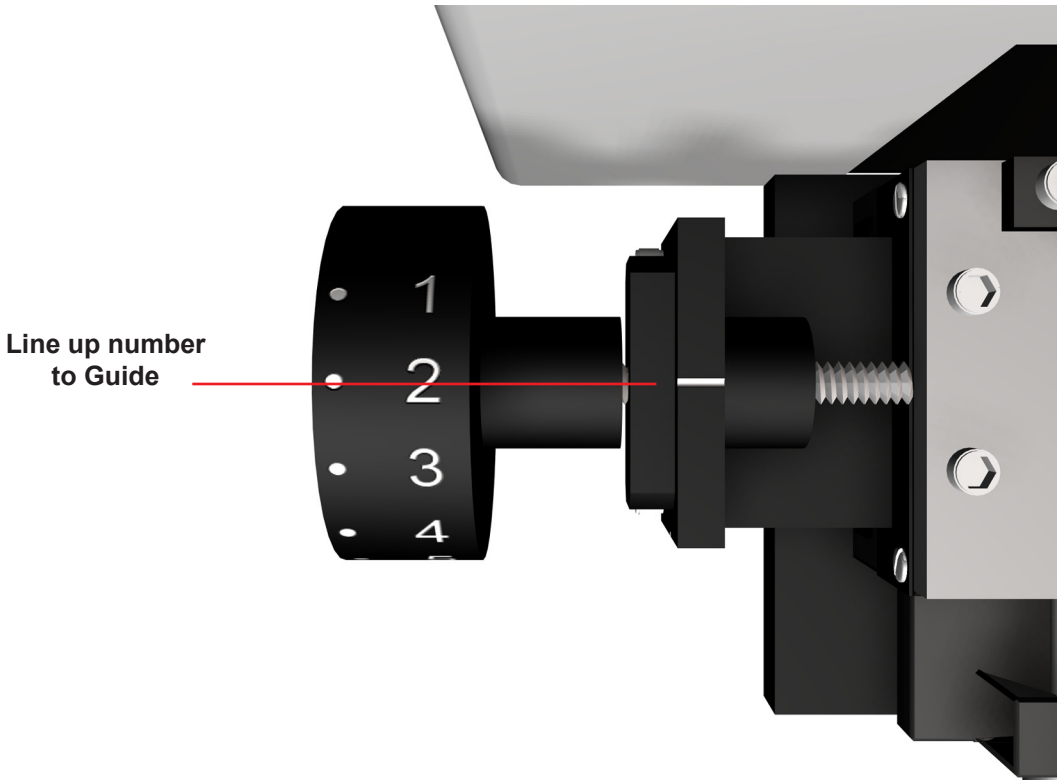
## STEP 6 Adjust Fiber Image Height



Use the **Fiber Row Arm** to finely tune the center height of the fiber image on the screen. Inspect the fiber.

## STEP 7 Selecting Fiber #2




Turn the **Individual Fiber Dial** to the #2 postion to inspect the 2nd Fiber.

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Keep turning the **Individual Fiber Dial** to the next number to inspect all 12 fibers.

If inspecting a 24 fiber MT connector, start with the **Upper Row** of fibers then use the **Fiber Row Arm** to change to the **Bottom Row**. Again use the **Fiber Row Arm** to fine adjust the center height on the screen. Use the **Focus Dial** to refocus the image if necessary.

The **UM MT Inspection Scope** is compatible with the **Eagle Inspect** software for testing and saving inspection images. For more information about the **Eagle Inspect** software visit **www.nanometer.com**

# NOTES:

# 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.

Nanometer Technologies fixture plates shall be free of defects in material and workmanship for a period of 90 days 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, altered items, overuse of water or UPS solution, dropping the fixture plate, or hitting the fixture plate while suspended from pneumatic arm.*** 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.***

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