



# DUST PROTECTION STRATEGY GUIDE

**Get the Right Product at the Right Size  
and the Right Price**



*Computer Dust Solutions*

# Dust Protection Strategy Guide

Get the **Right** Protection the **Right** Size and the **Right** Price

## Dear Computer User:

As a user of electronic equipment you may have opened this document with the hope of resolving a particular dust situation. A situation where dust may be negatively affecting your machines. Your reputation as caretaker of the equipment may even be at stake.

You may have noticed dust floating in the air around your work area or home and accumulating on your equipment. You realize that taking steps for dust protection now will save you from expensive repair and replacement needs down the road. Not to mention avoiding the embarrassment caused by your inaction.

Now, the only question is what to do about it. Which option is best for you and your unique situation? Let me give you a reason to be excited (and, you will be at the possibilities) if you understand even a little bit of what you read next.

You should choose a dust solution now based on your individual needs and severity of dust in your environment. I hope we can help.

## LET'S GET STARTED

The specific actions you will take to protect your computer equipment from dust depend on several circumstances. I recommend you be proactive and optimize for each of these two areas:

1. Equipment environment
2. Protective dust barriers

Let us look at each of these areas individually.

### 1. Equipment Environment

Control the environmental conditions surrounding your equipment. The ideal solution would be to keep your sensitive electronic equipment in a clean, climate-controlled room. In other words, separate it from the danger area. Of course, this is unrealistic or undesirable to many homeowners or manufacturing facilities who may need the equipment available for use in the immediate area.

*So what then?* Do what you can to control the source of dust and other pollutants in the home or shop. Use and maintain dust collectors for woodworking machines and a ventilation system for the shop area. If you cannot move the computers and other equipment out of the shop, try to move them across the room, away from welding, grinding or direct contact with billowing

sander dust. For home users in dusty climates seal leaky window and use good quality filters on A/C and furnace units.

## 2. Protective Dust Barriers

These include dust slipcovers, dust filters, breathable computer dust covers, and computer enclosures. Each has its advantages and limitations. Read the summary descriptions below and then follow the steps to determine which option is the best solution for you.

**Slipcovers** are made by a number of manufacturers. Usually nylon, plastic or vinyl, they are inexpensive, but effective in keeping dust off your equipment. However, they should be used only while your computer equipment is shut down. For example at the end of the workday or when leaving on vacation for an extended period. Disadvantages include the fact that the equipment is unprotected while operating and you must remember to reinstall the cover after shutting down the equipment.

**Computer filters** on the other hand may be used while the computer is running. Also very cheap, these are typically small pieces of loose-mesh material placed over fan air intakes on the computer case to remove dust from incoming air. Some have experimented with using panty hose, Brillo® Pads and other household items with some success. The main drawback with computer filters is their small surface area. They clog up quickly in dusty areas and must be cleaned, or changed frequently to allow the unimpeded flow of cool air into the computer case. Another drawback is that they leave other openings in the computer case unprotected, allowing fine dust to infiltrate the CD ROM drives, floppy drives and other small openings.

Relatively new on the scene, **breathable dust covers** are a combination of computer cover and computer filter. Designed for the harsh, dusty and smoky conditions inherent to wood shops, machine shops and other manufacturing facilities these innovative covers entirely encase the computer processor or monitor at all times, allowing the entire surface of the cover to act as a huge dust filter to remove dust from incoming air. The breathable monitor dust covers have a see-through, anti-static front panel to allow a clear screen view, and are very effective in keeping dust, wood chips and other debris out of the cooling vents. The recommended lifespan of the breathable dust covers is 3-12 months, depending on the level of dust in the shop although they may last indefinitely in low dust areas. A possible drawback to using the breathable dust covers is reduced access to USB and CDROM drives. However, it is still possible to use these drives if you install a door flap, which is included with the bag. You may also have to cut an access slot to use your USB ports. In addition, these covers may not look pretty as some other options.

Finally, **computer enclosures** are typically metal or wood, box-like cabinets which your computer processor and monitor are placed in to protect them from the surrounding environment. A variety of fan and filter combinations introduce fresh air into the enclosure. Computer enclosures have the added advantage of protecting your equipment from blunt force

trauma, such as a falling 2x4, chemical splashes and other things harmful to your computer. Disadvantages include high price, greater amount of space required, and filter maintenance.

### **WHAT IS THE BEST OPTION FOR YOU?**

The best option for you depends on the severity of dust and other contaminants in your operating environment balanced against the pros and cons of the various options listed above. You may decide to choose based upon criteria as shown in these examples:

1. Moderate-High dust level, money and maintenance are no object: Choose enclosures
2. Moderate-High dust level, need economical solution: Choose breathable covers
3. Low-High dust level, use equipment rarely: Choose slip covers
4. Looks are not important: Choose breathable covers
5. Looks are important: Choose filters (for low dust), cabinets or slipcovers
6. Need 24/7 protection: Choose cabinets or breathable covers
7. Need temporary protection: Choose slipcovers

**Computer Dust Solutions offers dust protection options for all your computer equipment.** We do not sell the small area filters or the expensive cabinets due to their limited utility for most people, but do offer a full range of breathable covers and antistatic vinyl slipcovers.

### **GET THE RIGHT PROTECTION: Antistatic Vinyl Slipcovers or ShopShield™ Breathable Covers**

#### **OPTION 1. Antistatic vinyl covers**

These antistatic vinyl dust covers keep all dust out, look great, and cost less; they are only for use when your computer, monitor, TV or printer are turned off. They are great for covering computers and equipment after hours, or that are turned off in highly visible areas of your home or office (they really do look great!), and may be subject to airborne dust, carpet fibers, pet hair, and other particles. Also, this material is very water (and moisture) repellant.



**HOT TIP!!** If you prefer, you may get these directly from Amazon rather from our web site. This may be preferable if you are only getting vinyl covers and you have the Amazon Prime membership for free shipping. Use the special discount codes shown below on either computerdust.com or amazon.com for **10% OFF** your order.

Whether you choose to order from the web site or from Amazon read the great customer reviews **to see why people choose Computer Dust Solutions** to help with their dust problems. Click the Amazon link to see specific product reviews:

### **Antistatic Vinyl Printer Covers:**

**Amazon Link:** <http://amzn.com/B00DTGG2IQ> (97% 4 or 5 stars!)

**Web Site Link:** [https://computerdust.com/products/printer\\_covers.html#vinyl](https://computerdust.com/products/printer_covers.html#vinyl)

**Discount Code:** 18121301 for **10% OFF**



## Antistatic Vinyl Monitor Covers:

Amazon Link: <http://a.co/5P5tFbs> (97% 4 or 5 stars!)

Web Site Link: [https://computerdust.com/products/monitor\\_covers.html#vinyl](https://computerdust.com/products/monitor_covers.html#vinyl)

Discount Code: **18121301** for **10% OFF**



## Antistatic Vinyl CPU Covers:

Amazon Link: <http://a.co/irzBOob> (94% 4 or 5 stars!)

Web Site Link: [https://computerdust.com/products/cpu\\_covers.html#vinyl](https://computerdust.com/products/cpu_covers.html#vinyl)

Discount Code: **18121301** for **10% OFF**



### **Antistatic Vinyl Keyboard Covers:**

**Amazon Link:** <http://amzn.com/B00DTGG22M> (87% 4 or 5 stars!)

**Web Site Link:** [https://computerdust.com/products/keyboard\\_covers.html](https://computerdust.com/products/keyboard_covers.html)

**Discount Code:** 18121301 for 10% OFF



### **Antistatic Vinyl Television Covers:**

**Amazon Link:** <http://a.co/j7vJLzm> (95% 4 or 5 stars!)

**Web Site Link:** [https://computerdust.com/products/monitor\\_covers.html#vinyl](https://computerdust.com/products/monitor_covers.html#vinyl)

**Discount Code:** 18121301 for 10% OFF



## Antistatic Vinyl iMac (All-In-One PC) Covers:

Link: <http://amzn.com/B00DTGG0AG> (96% 4 or 5 stars!)

Web Site Link: [https://computerdust.com/products/monitor\\_covers.html#vinyl](https://computerdust.com/products/monitor_covers.html#vinyl)

Discount Code: **18121301** for **10% OFF**



Note: These special discount codes work on both Amazon and on the Computer Dust Solutions web site and are guaranteed effective for seven days from date of document download.

**And Now, here's the Secret Weapon used around the world to keep dust at bay in extremely dusty conditions. Introducing...**

## **OPTION 2: ShopShield Expansive Passive Filtration (XPF) System™**

**ShopShield™ breathable dust covers** are made from a highly breathable membrane that stays in place and installed at all times, passively filtering air that is drawn in to cooling vents whenever your equipment is running. The entire expansive surface area of the cover acts as a filter allowing the natural air flow to the equipment to cool as intended. So no additional cooling fans are needed. And with such a large surface area for air to pass through it takes significant dust buildup before air flow starts to become impeded.



**ShopShield™ CPU Cover**



**Cover ShopShield™ Monitor**



**ShopShield™ Printer Cover**



The ShopShield™ is engineered to accommodate; PC towers or desktop models of all sizes with all cords attached, laser printers (the kind with an output tray on top), and monitors – with a crystal-clear protective display panel fitting over the screen that you have to see to believe.

ShopShield™ breathable covers are necessary in dusty shops where sawdust, agricultural/food products, textiles, paper, and similar hazards expose computer equipment to a high dust hazard.

Due to its high breathability the ShopShield™ is not water resistant. It can have a partial mitigation effect against heavier airborne mists like oil and paint, but cannot be expected to stop all of it.

The ShopShield™ is available for sale exclusively on <https://www.computerdust.com/>. Follow the instructions below for measuring correctly and then go directly to the web site or click the relevant ShopShield™ image above to navigate to the correct page.

On the web site click the “add to cart” link by the measuring diagram and select your actual dimensions from the dropdown lists.

**USE THE COUPON CODE 18121301 FOR 10% OFF YOUR SHOPSHIELD™ ORDER**

Note: This special discount codes work on the Computer Dust Solutions web site and is guaranteed effective for seven days from date of document download.




## GET THE RIGHT SIZE

Whether you choose antistatic vinyl covers or ShopShield™ breathable covers determines how you should measure your equipment to ensure a good fit.

### COMPUTER CPU COVERS







Antistatic vinyl covers are manufactured in a range of standard sizes to fit your computer equipment. You can find the size that best matches your measurements and click “Add to Cart” to initiate your purchase. See the measuring images below.

Breathable ShopShield™ CPU dust covers are available in several standard sizes to choose from while small and extra-large sizes are custom-made to your measurements. For CPU/Towers, you will need to measure the width, height and depth of the CPU/Tower as shown:

		How to Measure for a CPU Cover (Applies to Both Vinyl and breathable ShopShield™)		
Width (Inches)				
Height (Inches)				
Depth (Inches)				
CPU Identification		Recorded Dimensions(Inch)		
CPU #1 (	)	Width:	Height:	Depth:
CPU #2 (	)	Width:	Height:	Depth:
CPU #3 (	)	Width:	Height:	Depth:

## MONITOR COVERS



For monitors, use a tape measure to obtain the width, height, and depth in inches, as shown. For the ShopShield™, do not include base, stand, or support arm in the height measurement. For the vinyl covers include the support arm in the back when measuring the depth, and you may measure all the way down to the table top, but remember the cover does not need to reach the table top to keep the monitor clean.

Vinyl Monitor Covers		Breathable ShopShield™ Monitor Covers (Do Not Include Base)		
Width (Inches)				
Height (Inches)				
Depth (Inches)				
Monitor Identification		Recorded Dimensions(Inch)		
Monitor #1 (	)	Width:	Height:	Depth:
Monitor #2 (	)	Width:	Height:	Depth:
Monitor #3 (	)	Width:	Height:	Depth:

Record the measurements. When you navigate to the web site and click “Add to Cart” under ShopShield™ Monitor Covers, you will be able to input each measurement using a drop-down menu of options. Careful measurements will make installation easy, and the cover will look good when it’s installed.

## PRINTER COVERS

Printer covers can be ordered the same way as monitor covers. Note that Shopshield™ breathable printer covers only work for printers that have an output tray on top (standard laser printer design). Use a tape measure to obtain the width, height, and depth in inches, as shown. Record the measurements. After you click “add to cart” under printers, you can input the numbers using drop-down menus for each dimension.

Printer Covers (Both Vinyl and breathable ShopShield™)		
Width (Inches)		
Height (Inches)		

When the products you need are in the shopping cart, click “Check-out” to make payment and initiate the order. Vinyl covers typically take up to four business days for delivery. ShopShield™ covers are custom made and total manufacturing and shipping time is about a week.

## CLEANING

Before installing dust protection on your system, carefully wipe it free from dust that has already accumulated. Pay special attention to vents where cooling fans are located. If dust has already built up inside the case, you may want professional help from a computer service shop to make sure it's completely clean inside. Clean minor dust buildup with canned air, available at [computerdust.com](http://computerdust.com) under "Cleaning Products", Walmart or other store.

On screens and keyboards, only use cleaning products prescribed for the purpose; water or alcohol might cause damage. Some suitable products for cleaning screens and computer cases are available at [computerdust.com](http://computerdust.com).

When you are ready to install your new dust protection system on your cleaned equipment, carefully follow the installation instructions that came with your covers. Vinyl covers are easy to fit over your equipment and remove when you are using it. Shopshield™ covers need to be installed so that when the computer equipment is in use, air that is flowing into the cooling vents must first pass through the breathable membrane of the cover. Do not leave one side of a CPU, monitor, or printer open to the surroundings, but follow the instructions to ensure the filter is fitted and operational.

Congratulations! You are now a dust protection expert. Use your expertise to save yourself or your business time and money that can be lost when computer equipment overheats and fails because of dusty work conditions.

Please email me at [erik@computerdust.com](mailto:erik@computerdust.com) with any questions.

Thank You!

Erik Keranen

Computer Dust Solutions, LLC

<https://www.computerdust.com/>

