

Clean Cycle™

Master Cleaning Kit for Peripherals



 **Inmac**

Clean Cycle™

Master Cleaning Kit for Peripherals

**A GENERAL PURPOSE
CLEANING KIT FOR USE ON
COMPUTERS, TERMINALS AND
WORD PROCESSING EQUIPMENT.**

■ OUR GOAL



**CONTAMINATION
CONTROL**

"Pollution" and "pollution control" are increasingly used words in our industrial society. Industrial wastes lower the quality of our life and in extreme circumstances actually do irreparable damage to animal and human life as well as to the environment. We spend millions of dollars to clean our air, our water and our landscape of problem-causing pollution. Pollution, however, does not only refer to clouds issuing from industrial smoke stacks. Household dust, dirt, cigarette smoke, smog and all types of oily films are environmental concerns in today's world. However, in the precise, microscopic world of computer systems and data processing office equipment, such contamination is cause for more than simple concern. Seemingly invisible particles of foreign matter (so small you can't see or feel them) can cause major delays in the timely processing of information, and in extreme situations, can cause serious and costly equipment and/or media damage.

The appeal of the digital computer is that it deals in lightning fast calculations and has the ability to store massive amounts of information in a very small physical area. Magnetic tape can store over 3000 words of information on one inch of the tape. Tape drives operate at over 200 inches of tape passing under the recording heads per second. Magnetic disks rotate at over 2000 revolutions per minute. Each disk can have upwards of 20,000,000 bytes of information recorded on each surface. In the case of rigid disks, the recording heads "fly" over the surface at distances less than 20 microinches — a distance barely measurable.

Leading computer companies have recognized the fact that computer peripheral components must be cleaned on a periodic and frequent basis — preferably by the user of that equipment. The Inmac Clean Cycle™ kit for Peripherals was designed with the small computer, terminal, or word processing user in mind. It is a low cost, simple method of assuring that normal business functions will not be interrupted by contaminated peripheral equipment.

EXPLANATION OF CONTENTS

CRT Screen Cleaner:

The four ounce non-aerosol dispenser of screen cleaner is a fast drying, non-streaking formulation which has been designed not only to clean the glass surfaces (CRT video screen), but also to clean all plastic or metal non-absorbent surfaces. An anti-static agent has been added to keep recurring dust problems to a minimum.



Cleaning Wands:

The dual ended cleaning wand is a uniquely manufactured maintenance tool which has been specifically designed to reach heads and other electronic or computer components which are not easily accessible to the computer user. An important function of the wand is its ability to be bent to any angle necessary to complete a job. Once bent, the wand holds that shape until it is re-shaped.

Each end of the wand is molded into a different shape — one narrow for getting into small, slotted openings and the other wider (like a paddle) to clean the heads, guides, etc. Each end of the wand has a lint-free, non-abrasive foam swab. The wide end has two different density polyurethane foam sections molded together. The green side consists of a very open cell polyurethane. This acts as a scrubber and is very effective in loosening heavy contamination. The white side is a more closed cell formulation and is used for final polishing or for removing light contamination. The foam swabs are totally unaffected by solvents, alcohols, detergents or other cleaning agents and will not chip, peel or shed particles while being used.

Diskette Head Cleaner:

The cleaning diskette used to clean the read/write heads on floppy disk drives comes in either 5½" or 8" size. The cleaning diskette is manufactured to the same tight ANSI and ECMA tolerances as the magnetic floppy disks themselves. The material used inside the vinyl jacket is lint-free, non-abrasive and slightly porous. While it is designed to be used with a proprietary cleaning solution, it is safe and harmless to the read/write heads even if accidentally used when completely dry. The cleaning diskettes can be used for either single or double sided floppy disk drives. When used on double sided drives, both heads are cleaned simultaneously. A most important feature of the head cleaning diskette is that the heads can now be cleaned by the user without dismantling the drives.

A label is provided on the jacket so that the number of cleanings can be recorded. After each usage the square on the label is checked. When the cleaning diskette has been used 20 times, or if the cleaning diskette becomes discolored, the jacket should be discarded and a fresh jacket used for subsequent cleanings.



Type Font Brush:

A firm, yet soft bristle, cleaning brush has been included to remove heavy contamination from the printer typing element. This brush can also be used to remove contamination from other electro-mechanical components of the machine, such as printer platen, or terminal keyboard.



Cleaning Solvent:

The Cleaning Solvent is a specially blended formula for use on delicate computer and electronic equipment components. It is a non-explosive and non-flammable substance and is certified safe for air transportation. In addition, the Cleaning Solvent is non-corrosive and non-toxic. It is recommended for use on magnetic tape and disk drive read/write heads and can also be used directly

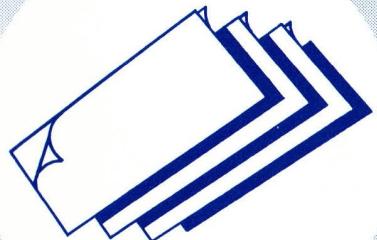
on magnetic media surfaces with no fear of harming the media. It will not adversely affect rubber fittings, plastic parts or elastomers. An important feature of the Cleaning Solvent is that it does not leave a residue.

This Cleaning Solvent has been tested and approved safe for use by major computer, drive and media manufacturers.

It is extremely important that only products which have been tested and approved by the equipment and media manufacturers be used on computer components or magnetic media. Non-approved cleaning solvents, such as some alcohols, water, detergents or commercially available cleaners could cause serious and permanent damage.

Lint-Free Wipes:

The 3" X 6½" cleaning wipes were chosen for their ability to be used with all types of cleaning solvents. The non-woven polyester fabric is static-free, soft and non-abrasive and will not shed contaminating debris. These wipes are recommended for the cleaning of magnetic heads, tape guides, print wheels and chains, keyboards, etc.



Anti-Static Solution:

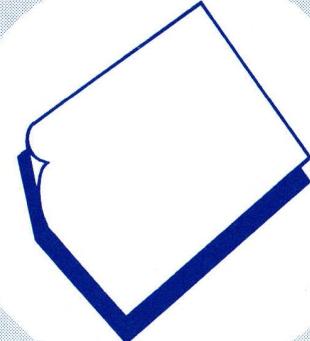
This is a specially formulated anti-static solution with a non-aerosol, spray pump dispenser. The solution is non-corrosive, non-toxic and non-flammable. It is colorless and will not stain fabric or carpeting. It may be applied directly to furniture, floors and carpets around the computer and peripheral equipment. It is long lasting and under most circumstances, one application will last for months. However, if static problems recur, use the spray as required.

An anti-static agent is desirable on those extremely low humidity days when electrical charges build up in the body and discharge suddenly when a grounded object is touched. The sudden discharge of static electricity can be the cause of many mysterious computer related problems. Printer malfunctions, magnetic media data loss or even shutdown can often be traced to static electricity.

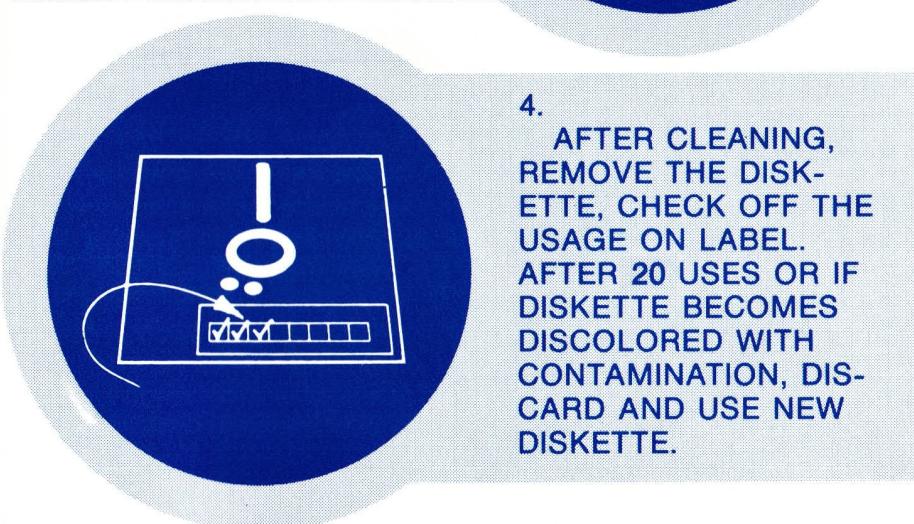


Super Wiping Cloth:

The Super-Wipe is a 6" X 7½" non-woven wiping material which is designed to clean all exterior surfaces of mainframes and peripherals including CRT glass screen. Dust and other particulate matter are safely captured in the open fabric of the wipe. Super-Wipes can be used effectively either dry, with CRT Screen Cleaner or with the Cleaning Solvent.



HOW TO USE THE DISKETTE HEAD CLEANER



4.
AFTER CLEANING,
REMOVE THE DISK-
ETTE, CHECK OFF THE
USAGE ON LABEL.
AFTER 20 USES OR IF
DISKETTE BECOMES
DISCOLORED WITH
CONTAMINATION, DIS-
CARD AND USE NEW
DISKETTE.

MAINTENANCE HINTS FOR MEDIA & EQUIPMENT CARE

CONTAMINATION — Dust, dirt, oils and airborne films are deadly enemies to the recording heads of disk or tape drives. Regular, conscientious cleaning of disk heads, tape heads, tape guides and capstans will eliminate many mysterious and disruptive I/O errors before they occur. Use the components of the Clean Cycle™ kit to remove contamination from heads — whether disk or tape.

CARE OF MAGNETIC MEDIA — Flexible magnetic media (floppy disk, cassette tape or ½" computer tape) need special attention. All magnetic media is especially vulnerable to the following:

- 1) Contamination, whether household dirt or oxide redeposits from the media itself.
- 2) Physical abuse.
- 3) Sharp variations or extremes in temperature.

PRINT ELEMENT — Daisy wheel or thimble character printers are extremely reliable, but in order to keep the print quality sharply defined, two areas must be cared for:

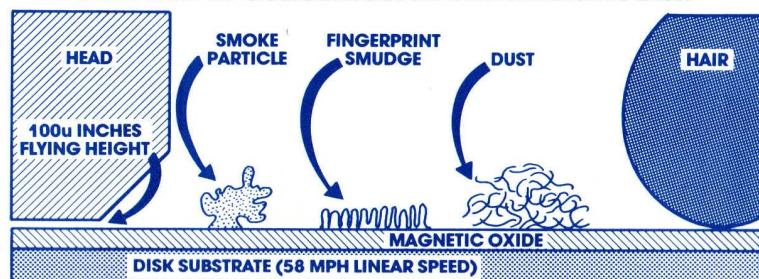
- 1) Replace ribbon when print begins to fade or look dull.
- 2) Periodically clean the typing element with the cleaning brush and solvent. With some print elements the cleaning wands are also quite effective.

When dealing with any form of magnetic media, but most especially with the flexible variety, there are a few basic rules that should be adhered to in order to get good performance:

- 1) Keep fingers away from the recording surfaces of magnetic media — acids and oils can definitely cause recording and/or reading errors.
- 2) Keep magnetic media away from powerful electrical motors or other types of devices that can create a magnetic field. Recorded media is very vulnerable to a magnetic field.
- 3) Keep floppy disks in their jackets and tapes in their cases. Also, have storage systems for the media — table tops or desk drawers are not the proper places for storing magnetic media.
- 4) Keep tape and disks out of direct sunlight. Only a few minutes in a car with the sun shining through the window can permanently distort a floppy disk or a tape. Keep the media stored in an area where the temperature remains in the range of 50 to 90 degrees Fahrenheit.

STATIC ELECTRICITY — This common phenomenon is more than just annoying. On dry, extremely low humidity days, static electricity can create a sharp, high voltage jolt that can actually cause your processor to lose or confuse data. If you experience more than just an occasional zap of static electricity when you touch your processor, use an anti-static spray agent or install an anti-static floor mat in front of your system. In this case, an ounce of prevention is surely worth a pound of correct data.

THE EFFECT OF CONTAMINATION ON A MAGNETIC DISK



With the disk head flying at 100 μ inches above the magnetic oxide surface, even seemingly insignificant dust, smoke particles or hair can cause a disastrous head crash.

Inmac

2465 Augustine Drive
P.O. Box 4780
Santa Clara, CA 95051
(408) 727-1970