

# VMI 2500

## QUICK START REPLACING CONSUMABLES MAINTENANCE OPERATIONS

A quick reference guide for the VMI 3500 addressing cleaning, consumable changes, and use, functions, and troubleshooting



## QUICK START

1. Turn on power to the unit by flicking the ON/OFF switch to the ON position, located in the rear of the unit.
2. Select which type of repair mode you would like by pressing either of the Scroll Buttons located on the User Interface. (Choose either "Regular" for regular discs or "Deep" for Blu-Ray discs.)
3. Spread Compound Solution evenly over the entire optical surface of the disc.  
*Note: Avoid spreading compound on the cleaner plastic center ring of the disc, since the machine will not touch this area and solution will still be visible after the repair cycle.*
4. Open the Front Cover and place the DVD/CD/Blue-Ray onto the platter, with the LABEL SIDE OF THE DISC FACING DOWN!
5. Close the Front Cover and press the Start Button.
6. Once the cycle has completed, open the Front Cover, and remove your disc.



## RUBBER PLATTER

When should I replace my rubber platter?

There is no specific time frame for how long a Rubber Platter will last, it could be one day or one year, depending on how the machine is used and maintained. If the disc can no longer sit flat on the Rubber Platter, or the imprinting on the surface is no longer visible, then the Rubber Platter should be replaced. If there are any nicks, gouges, edges that are lifted, or tares – the Rubber Platter should be replaced.

### How to replace the Rubber Platter:

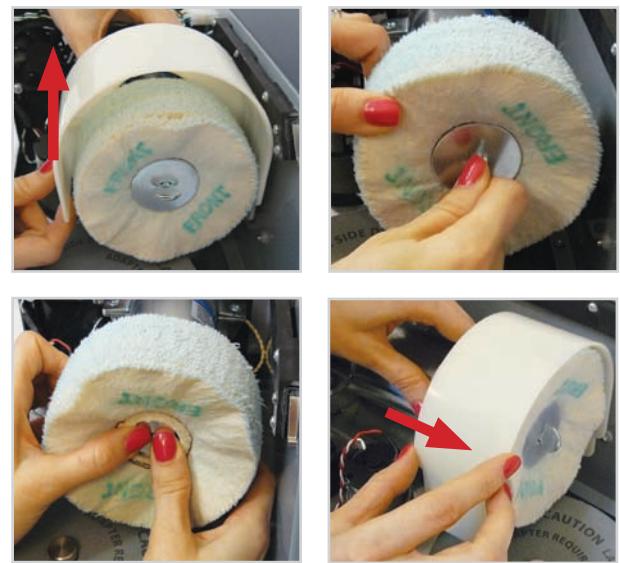
1. Turn off power to the unit!
2. Locate the two side panel thumbscrews and unscrew them.
3. Lift side panel up and away from the machine.
4. Locate the Rubber Platter.
5. Peel old Rubber Platter off of the platen.  
*Note: A razor blade or a scraper can be used to do this.*
6. Take the new Rubber Platter and remove the white backing.
7. Center and place the new Rubber Platter on the platen.
8. Make sure the Rubber Platter is fully seated on the platen.
9. Install the side panel and screw down the thumbscrews.
10. Turn on power.



## BUFFING WHEELS

### How to replace the Buffing Wheels:

1. Turn off power to the unit.
2. Locate the two side panel thumbscrews and unscrew them. Lift side panel up and away from the machine.
3. Locate the Splash Guard which sits on top of the main motor and above the Buffing Wheel.
4. Pull up on the Splash Guard until it releases from the main motor.  
*Note: The Splash Guard is a snap fitted piece.*
5. Located on front of the Buffing Wheel, is a washer and a Spade style screw, which holds the Buffing Wheel to the spindle. Hold the Buffing Wheel with one hand and turn the Spade Screw counter clockwise with the other.
6. Remove the screw and the washer from the spindle and pull off the old Buffing Wheel.
7. Install the new Buffing Wheel. Insert the washer and tighten down the screw.
8. Reinstall the Splash Guard by snapping it onto the top of the main motor.  
*Note: Pull the Splash Guard forward until it snaps into place a second time.*
9. Install the side panel and screw down the thumbscrews.
10. Turn on power.



## C2 CHIP

When should I replace my C2 Chip?

Each C2 Chip is programmed for a total of 500 minutes of operation. The amount of usage on this chip will be displayed on the front LCD Screen. On the "Main Menu", in the middle of the screen, this is where the total Chip count is displayed. This "Count" will decrease the amount of minutes left on the C2 Chip as the Operator continues to use the machine. When the count drops to 10%, an asterisk (\*) will appear next to the Count display. This is to inform the Operator that supplies should be reordered. At this point, while a cycle is running, the "Start" button will flash from Green to Blue. Then error message "Low Chip" will appear on the main menu. Once the chip is depleted the machine will notify the Operator and no more cycles will be allowed, until a new C2 Chip is installed. Once a new C2 Chip is installed, all counts will be reset. The Operator does not need to perform a manual reset to the machine.

### How do I replace my C2 Chip?

1. Turn the machine around, so that the back of the unit is facing you.
2. Locate the C2 Chip.
3. Pull the chip out and away from the RS232 port.
4. Take the new C2 Chip and install it into the RS232 port.
5. The machine will automatically reset the counters.



## MAINTENANCE

### A. How to clean out the machine.

*Recommendation: Clean the machine weekly.*

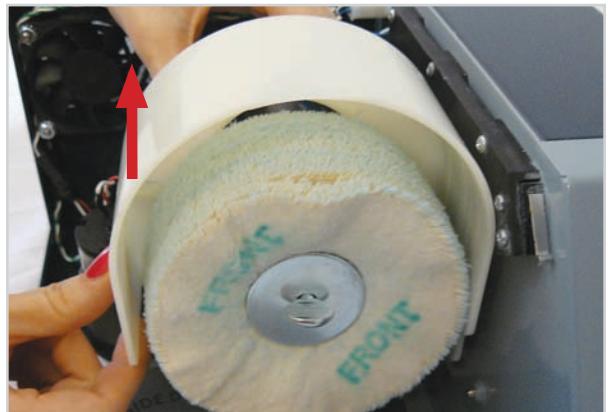
1. Turn off power to the unit!
2. Locate the two side panel thumbscrews and unscrew them.
3. Lift side panel up and away from the machine.
4. Remove any dust or debris from the machine.  
Note: Use canned air, a vacuum, or even by hand.
5. With a paper towel or cloth, wipe off any Compound residue, left on the side panel or internal walls.
6. Install the side panel and screw down the thumbscrews.
7. Turn on power.



### B. How to clean the Splash Guard:

*Recommendation: Clean the Splash Guard weekly, when the rest of the machine is being cleaned out.*

1. **IMPORTANT:** Turn off power to the unit.
2. Locate the two side panel thumbscrews and unscrew them.
3. Lift side panel up and away from the machine.
4. Locate the Splash Guard which sits on top of the main motor and above the Buffing Wheel.
5. Pull up on the Splash Guard until it releases from the main motor.  
Note: The Splash Guard is a snap fitted piece.



## MAINTENANCE ... CONTINUED

6. Run the Splash Guard under warm water, from any sink faucet. Wipe away any left over compound residue with a paper towel or cloth.
7. Reinstall the Splash Guard by snapping it onto the top of the main motor.  
*Note: Pull the Splash Guard forward until it snaps into place a second time.*
8. Install the side panel and screw down the thumbscrews.
9. Turn on power.



### C. How to clean the Cleaner Disc:

*The Cleaner Disc must be maintained on a regular basis. You can identify that the Cleaner Disc needs to be cleaned by seeing a heavy buildup on the surface.*

1. Use a "Glass Cleaner" (such as Windex) on the surface of the Cleaner Disc and let it sit for a minute.
2. Using a paper towel, wipe the buildup off the Cleaner Disc. Start from the center and work your way out.
3. Make sure the Cleaner Disc is dry, before use.
4. Another option is to use a plastic style bristle brush to scrub the surface.



### D. How to clean the Rubber Platter and why:

*From time to time the Rubber Platter may become dirty. When this happens, dust particles can become entrapped in the top surface of the platter. This causes the surface to become slick. When the Rubber Platter is slick discs tend to slip on the surface. In worse case scenario, this slipping could cause a disc to break.*

1. Take any glass cleaner (such as Windex) and spray the Rubber Platter.
2. Let the solution sit for about a minute.
3. Wipe the rubber platter dry with a paper towel.
4. If slippage continues, replace the Rubber Platter.



## OPERATIONS

### A. Error Codes:

1. ES003: Magnetic Switch Sensor is not detecting that the Platter is in the home position.
2. EC004: Lift Cam Switch is not detecting that the Lift Cam has reset back to the home position.
3. EMC006: The machine is not detecting the proper amount of amperage on the Main Motor.
4. RC: Replace all consumables.
5. Emergency Stop: Emergency Shutdown Mode.

### B. How much Compound Solution should I use?

VenMill suggests that the entire optical surface of the disc be covered with the Compound Solution. This will ensure optimal repair capabilities. To achieve this, place one dab North, East, South, West and then spread around.

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