

DiscMate Scratch Repair System

OPERATIONAL MANUAL



Congratulations on your purchase of the revolutionary DiscMate Scratch Repair System. Taking a few minutes to read through this manual will help you achieve the best results.

Please note the following:-

- Do not run the machine without discs inside; (Unless during cleaning cycle)
- Only use the machine with the rated voltage and frequency;
- Do not disconnect the unit with wet hands;
- Do not unplug the unit or attempt to move it by pulling on the power cord;
- Disconnect the unit if it becomes hot for any reason;
- Unplug the unit when not in use
- Do not continue to use the unit if any damage occurs;
- Do not immerse the unit in any liquid;
- Do not place this unit on hot surfaces;
- Keep this machine out of the reach of any children.

Limitations of use:

This machine is not capable of repairing cracked or warped discs. If there is damage to the data within the disc, this machine cannot replace or restore that data.

Disclaimer:

Reasonable care has been taken in the preparation of this information Disc Repair Systems and the product distributors extend no warranties, make no representations or assume no responsibility as to the accuracy or suitability of this information. Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility.

Understanding the error codes, safety features and alarms:

All of the following codes are accompanied with (one short beep) alarm.

(PC) Polish has reached the end of its lifespan. (250 Mins)

Solution:

- Change polish cartridge and/or pad

(PP) Polish pump primer cycle (Preset)

(CP) Check polish.

Solution:

- Check polish tank has not moved and/or polish level.
- If polish is getting low (this is caused by evaporation and/or small amounts of polish being lost in the repair process) However if the unit has not alarmed **(PC)** it is ok to top up cartridge with water until the next polish change.

USE ONLY GENUINE DiscMate POLISH.

(Please note: Re-using expired or adding excessive water to the polish...

ONLY COSTS YOU MONEY!

In extended repair times, extra wear on your unit and it may affect any warranty claims.)

(br) Preset BluRay repair cycle. (See Bluray Section)

(CC) Preset Cleaning cycle (See Cleaning and Maintenance Section)

(OL) Unit has registered a power supply problem with one or two of its main drive motors and/or an obstruction in the repair compartment.

Solution:

- Check for obstructions in the repair compartment.
- If you cannot see anything obvious try resetting the unit.

(To reset, open and close the lid (once).

If the problem persists please contact your distributor for technical support.

(PF) Unit has registered a power supply problem with polish pump.

Solution:

- Check for obstructions in the pump compartment.

If the problem persists please contact your distributor for technical support.

(Sr) The unit is due for its 1000 hour service.

Understanding the polishing liquid and the process it uses:

The repair process of the DiscMate uses a specially developed liquid abrasive, which also acts as a cooling agent throughout the repair process. The repair cycle works by gently removing small amounts of material while keeping the discs cool to avoid any disc tilt. All of this process is automatically controlled by a micro computer, to allow less operator involvement. This allows you more time, to run your business and lowers costs in maintaining your valuable stock.

Polishing liquid is supplied in packs containing 2 X Polish Cartridges 1 X Repair Pad. Approximately (500) minutes of repair time overall, however the polish change alarm (PC) is every 250 minutes.

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Lifespan of polishing liquid:

During the repair cycles the polish starts to fill with waste material from the discs surface and also the abrasive loses its sharpness (e.g. it starts to act like a blunt knife tearing rather than cutting). **The more discs that are repaired the more the polish will fill with waste, which will reduce the effectiveness of the polish both in quality of the repairs and the time required.**

To manage this The DiscMates micro computer will alarm you that the polish has reached the end of its lifespan.

- The unit will display **(PC)** and alarm. **LEAVE UNIT SWITCH ON WHEN CHANGING POLISH CARTRIDGES.**
- At this stage, the polish and pad have reached the end of their life and should be replaced.
- Remove used polish cartridge being careful not to damage the return hose and polish pick up filter. Refit lid and dispose of thoughtfully.
- Remove polish pick up filter and rinse under warm water to clean. **THIS SHOULD BE DONE AT LEAST EVERY SECOND CARTRIDGE CHANGE.**
- Fit new polish cartridge and run a **(PP)** polish primer cycle with **repair pad and discs fitted.**
- Repeat this operation every time the unit alarms and displays **(PC)**.

Set up and repair process.

- Fit the polish cartridge as above.
- Raise lid and fit Repair Pad to centre cradle.
- Place discs on their turntable. **LABEL SIDE DOWN.**
- Select repair time and close lid, the unit will automatically start.
- Once repair cycle has finish the unit will alarm with two short beeps.

BluRay Cycle (br)

Due the nature of the hard coating of a Blu-ray disc this unit has been fitted with a preset repair cycle, which controls the pump operation and cycle time.

Pls note only use this cycle to repair not maintain.

(Use standard 1-2 Mins for maintenance).

Pls see Facts Section.

- Fit discs as normal.
- Select **(br)** cycle and close lid.
- The unit will flash **(br)** until the last 30 seconds where it counts down and alarms as normal.
- Depending on damage level this process might need to be repeated.

Bluray Facts

- The hard coating is a good protector from scratches, however they can be damaged.
- The coating is **very** thin! To give you a better understanding it's the thickness of a human hair!
- Therefore if you have damage that your finger nail can feel, the chances are that disc may not be able to be repaired successfully. And if it can be repaired you probably will not be able to it again.
- The good news is during our testing the DiscMate has repeatedly repaired some quite heavy damage so it is worth a try!
- But remember each disc can only be repaired a few times before the coating is completely removed.

Some notes on operation:

The controller has a memory function if the lid is opened during a cycle, the unit will return to the remaining time once the lid is closed again. However you can also change to a different time setting when the lid is open.

Cleaning and Maintenance:

It is very important to keep your unit clean. This ensures good quality repairs and helps ensure a long operational life. **Note that failure to clean the machine may lead to non-warranty repairs.**

Please clean the machine at the end of every day by:

- Wiping down the inside of the polish well with a damp cloth (**Please do not pour water into the cleaning compartment**).
- Also wipe down disc and disc clamp drive rubbers carefully..

ONCE A MONTH FLUSH THE UNIT BY:

- Filling a empty polish cartridge with warm water and selecting (**CC**)
- Load 2 x old discs and a repair pad cycle pad, this will clean the internal polish supply hose lines.
- Once lid has been closed, the unit will run a preset cycle and alarm when finished.

TROUBLESHOOTING

No power.

Verify the power cord is properly inserted in a working outlet; test the outlet with another device.

- Check the fuse (by the power connector) on the machine.
- Check On/Off switch is in the "On" position.

Little or no polish flow.

- Are there any kinks in the hose(s)?
- Is the pump turning?
- **Check and clean filter if needed.**

Machine overheating.

- Leave space behind/side of the machine to allow air flow for the cooling fan.

Premature wear on the pad.

- **Never run your unit with only one disc loaded.**

Unit has power and will cycle however the motor does not turn.

- Motor has failed.

WARRANTY TERMS

The Warranty Period for the DiscMate is one (1) year from the date of original purchase.

The Warranty Period applicable to supplies, normal wear items, assemblies and parts provided under this Limited Warranty against defects in materials and workmanship is ninety (90) days from their date of delivery.

Any warranty repairs carried out, excluding supplies and normal wear items, are covered for the remaining portion of the original machine.

If a defect is discovered and a valid claim received by Disc Repair Systems within the Warranty Period, at its option, Disc Repair Systems will (1) repair the Warranted Product using new or refurbished replacement parts, (2) exchange the Warranted Product with one that is new or that has been manufactured from new or serviceable used parts and is at least functionally equivalent to the Warranted Product.

This Limited Warranty applies only to the Warranted Products. This Limited Warranty does not apply to any other products, whether or not packaged or sold with the Warranted Products.

This Limited Warranty can be redeemed only by the original purchaser at the original location where DiscMate was shipped.

Inbound shipping will be at the owners cost and return shipping will be paid by Disc Repair Systems .

This Limited Warranty **does not** apply to the following:

- Normal wear or deterioration (follow preventative maintenance schedules to minimize wear and tear on your machine);
- Improper installation or maintenance including but not limited to failure to follow any preventative maintenance schedule;
- Damage caused by accident, abuse, misuse, misapplication, or failure to follow usage directions.
- Warranted Products that have been used with non- Disc Repair Systems supplied polish, or that has been tampered with in any manner.
- Damage caused by service performed by anyone other than Disc Repair Systems.
- A Warranted Product that has been modified without the written permission of Disc Repair Systems.
- If any Disc Repair Systems serial number, date stamp or other marking has been removed or defaced;
- Any item concerning the Warranted Product's appearance that is not due to a defect in material or workmanship.

