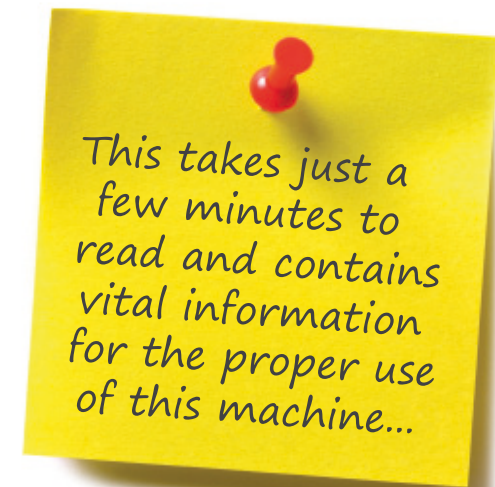


VMI QuickSand User Guide

Pre-Sanding Machine



What's In This User Guide?

- Getting started - sanding a disc right now
- Getting to know your machine and how it works
- Changing the consumables and other operations
- Maintenance and other useful information

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Good Machine Use & Safety

Covering different usage topics

We believe it is important that you know:

- How to use our technical support team
- How to get the most out of your machine
- How to use the machine safely at all times
- How to prevent voiding your warranty

Getting Started

Unpacking

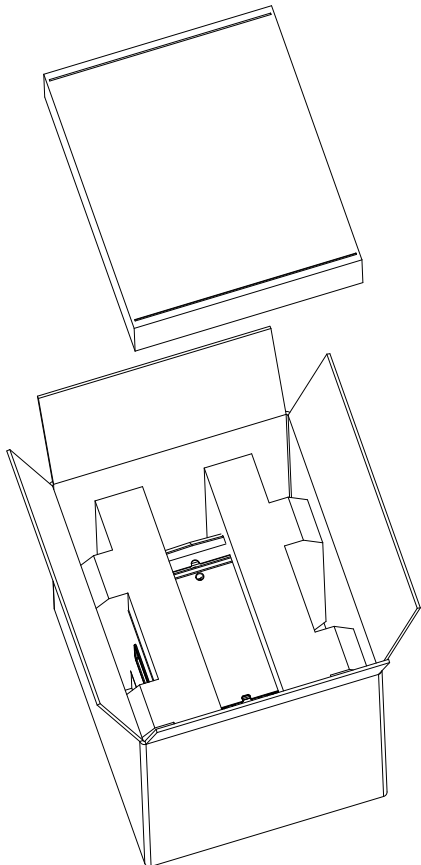
SAVE ALL PACKING MATERIALS. Failure to use packaging designed for this unit can cause damage and void warranty.

There is a charge for replacement packing materials.

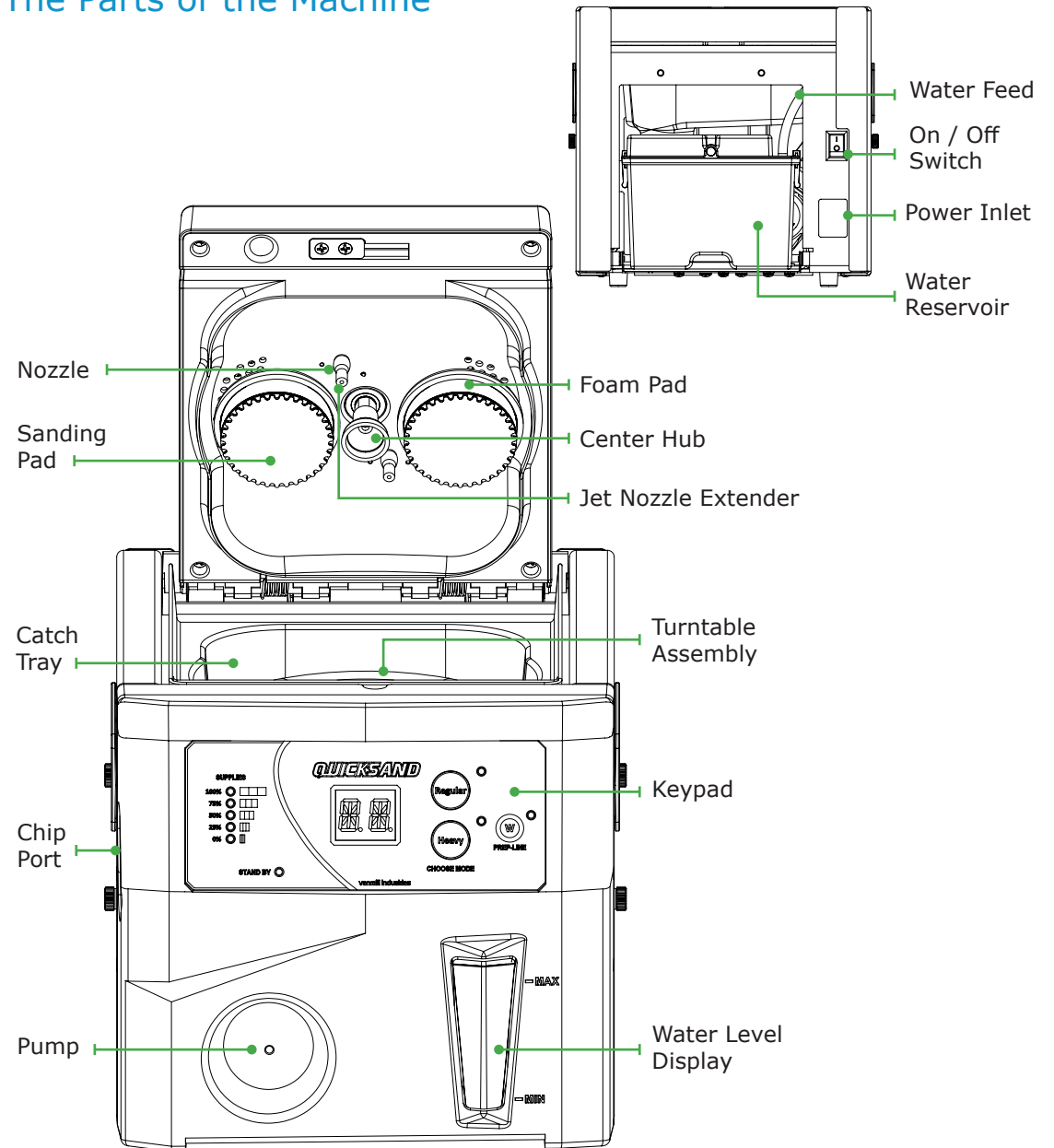
Parts that need to be saved are as follows:

- VMI Quicksand Shipping Box
- Top Cardboard Insert
- Left & Right Side Packing Foams
- Protective Plastic Bag

1. Carefully open the box.
2. Remove the Top Cardboard Insert - which contains the machine's starter supplies, accessories, and support documents.
3. Remove the VMI Quicksand from the shipping box.
4. Remove the Left and the Right side packing foams.
5. Take the VMI Quicksand out of the protective plastic bag.
6. Position the machine on a sturdy flat surface with sufficient working room around it.



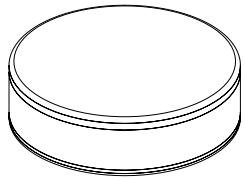
The Parts of the Machine



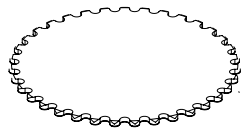
Initial Setup

Understanding the Consumables

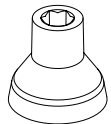
You will receive starter consumables in the box for 50 minutes:



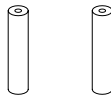
2 x Foam Pads



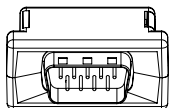
2 x Sanding Pads



1 x Center Hub



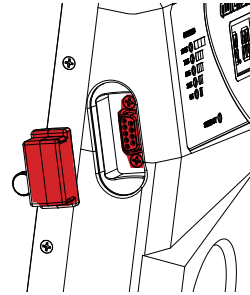
2 x Jet Nozzle Extender



1 x Credit Chip:

A starter Credit Chip of 50 minutes is included with your QuickSand. This will show as 50% on your supply display.

Installing the Credit Chip

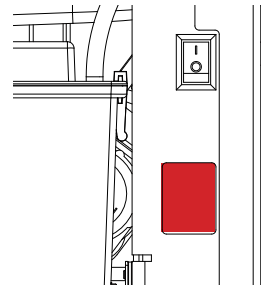


Take the Credit Chip provided with your machine, and install it into the Chip Port.

The Quicksand unit will recognize this chip once the machine is powered on.

This chip only applies 50% credit; a new 100 minute chip will apply 100% credit.

Powering up the Machine

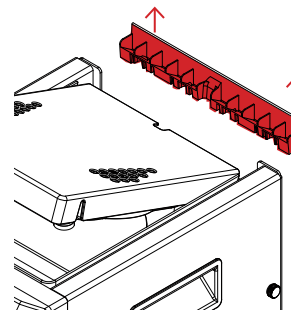


Insert the power Cable into the power inlet on the back of the machine and plug into the wall socket.

Power up using the on/off switch found on the back of the machine (After a couple of seconds, the Lid will automatically open.)

Leave the Lid in the open position.

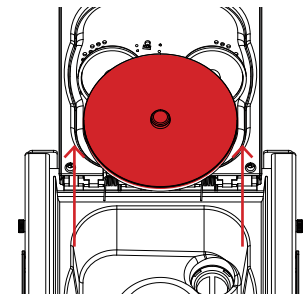
Filling the Reservoir with water



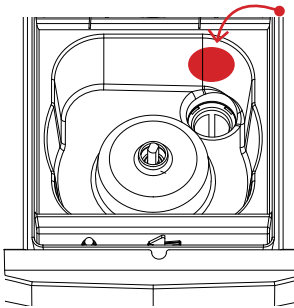
Remove the Lid Stopper.

Locate the Turntable Assembly and remove from the machine by pulling up.

(Please turn over for the rest of this instruction)



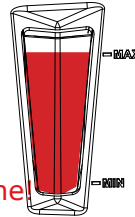
Initial Setup ...continued



Pour about 750ml (or 2 cups) of water into the drain at the back of the tray well.

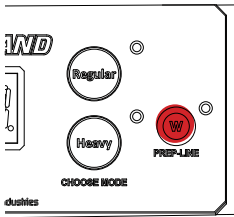
Watch the visual water display on the front of the machine as you fill the reservoir.

Warning: Do not fill past the "MAX" fill line!



Then re-install the Turntable Assembly.

Priming the Water Line

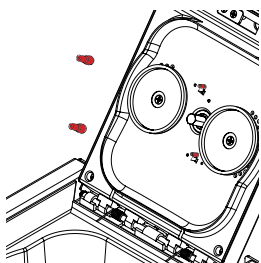


Warning: Failure to prime the Water Line will cause damage to the disc!

1. Start with the lid in the open position.
2. Place a paper towel over the disc tray to catch the drips from the nozzles.
3. Tilt the lid forwards to a 45 degree angle so the drips will land on the paper.
4. Activate the priming process by pressing the "W" button on the Keypad.

Caution: Make sure that the Turntable Assembly is installed, so that water does not pour directly onto the shaft of the main motor! This will ensure that the water drips out of the nozzle and onto the paper towel, instead of running down the inside lid cover.

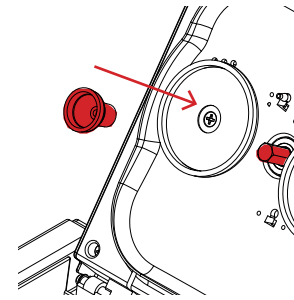
Installing Jet Nozzle Extenders



These small clear pipes simply extend the jet nozzles so that the water drips directly on to the disc surface.

To install them, simply push them on to each nozzle. They are to be replaced with every new consumables pack.

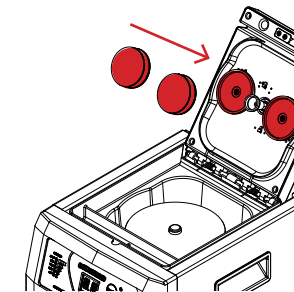
Installing a Center Hub



Line up the hex shaped opening on the hub with the hex shaped post between the two sanding pad holders and push the Center Hub into place.

Spin the Center Hub by hand to make sure that the hub is centered. If needed, make an adjustment.

Installing Foam Pads

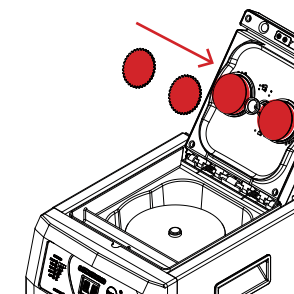


Install each Foam Pad onto the Sanding Pad Holders.

Make sure that each Foam Pad is centered and fully seated on the Sanding Pad Holder.

Caution: It is important to keep the lid open to prevent the pads being deformed by the platen. If you would prefer to keep the Lid closed when the machine is not in use, make sure to remove the Turntable Assembly.

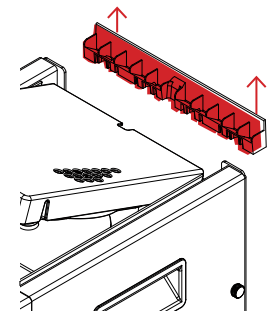
Installing Sanding Pads



Install each Sanding Pad onto the Foam Pads. Make sure that each Sanding Pad is centered and fully seated on the Foam Pads.

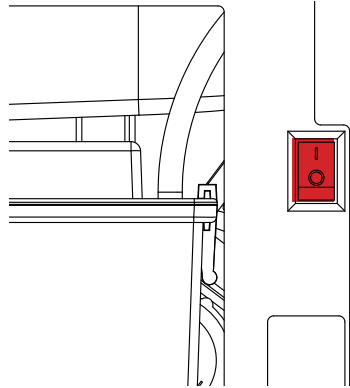
Then re-install the Lid Stopper.

Your VMI Quicksand unit is now ready to be used!

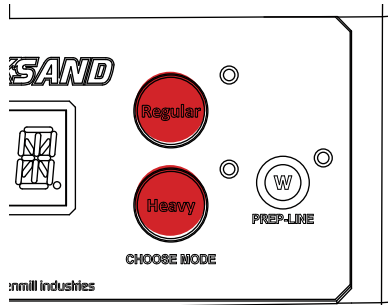


How to use your machine

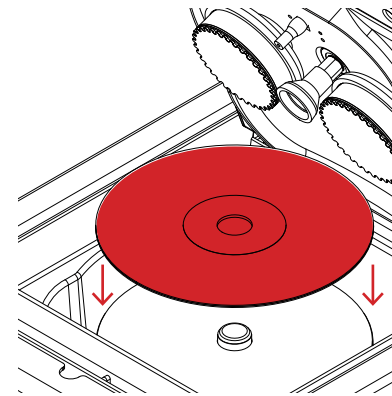
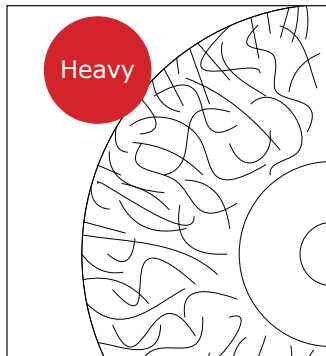
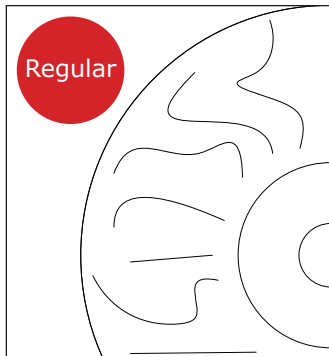
General Operation



1. Switch the machine on: the front lights and display will light up and the lid will open.

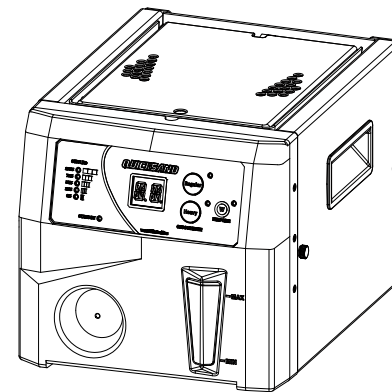


2. Select the mode that you would like to sand your disc for, depending on the severity of damage, by selecting either the Regular or Heavy option – located on the User Keypad.



1. Place disc onto the Turntable Assembly, with the label side facing down!

Warning: Do not attempt to repair Blu-ray Discs in this machine, they will get damaged beyond repair.

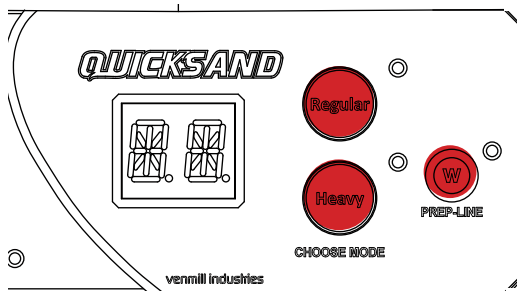
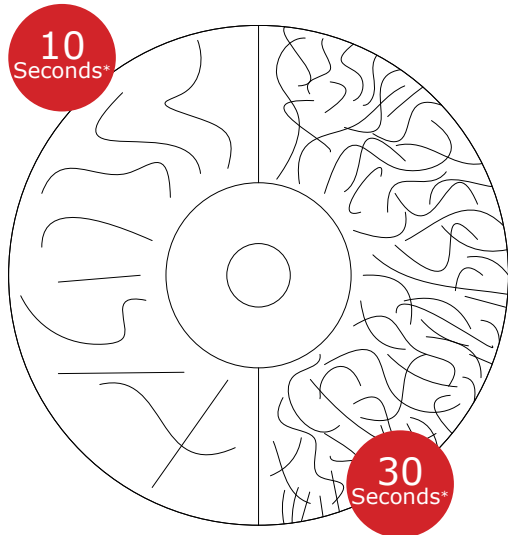


2. Close the Lid and the cycle will start automatically.

3. Once the cycle has completed, the Lid will open automatically. Remove your disc and proceed to the final repair in your disc repair machine.

How to use your machine

Modes of Operation



Regular: 10 Seconds

1. Press the "Regular" button located on the User Keypad to activate this operation.
2. Close the Lid, and the machine will start automatically.

Heavy: 30 Seconds

1. Press the "Heavy" button located on the User Keypad to activate this operation.
2. Close the Lid, and the machine will start automatically.

Emergency Stop:

At any time during a cycle, you may stop the cycle prematurely, by pressing any button on the User Keypad.

Once the button is pressed, the cycle will stop, and the Lid will open automatically. The Main Screen will then display the "ER" error message indicating that the Emergency Stop function has been successfully accomplished.

Once the unit has reset, the "ER" error message will disappear, and the machine will default back to the last mode of operation that was selected. The Operator may now continue using the machine.

Notifications

Replace All Consumables (RC):

The Credit Chip has been designed to monitor the consumables used within your VMI Quicksand, to ensure that each disc is repaired to the same standard, and to decrease any downtime that may result from not having replacement consumables on hand. Installation of a new Credit Chip informs the unit that the consumables have been replaced.

The amount of consumable usage is displayed on the "Supplies - Fuel Gauge" located on the User Keypad. As the consumables deplete over time, the Fuel Gauge will reduce in percentage as follows:

- 100% = 100 minutes
- 75% = 75 minutes
- 50% = 50 minutes
- 25% = 25 minutes
- 0% = 0 minutes

Once the consumable level has reached 25%, the Green LED will switch over to Yellow, and the 0% Green LED will turn over to Red and will blink every two seconds. At this point the Operator should make plans to obtain more consumables. Once the Credit Chip has reached 0%, the flashing Red LED will stop and a solid Red LED will appear. At this point the "RC" error message will appear on the Main Screen. The machine will not perform any other operations until a new Credit Chip is installed.

Once a new Credit Chip has been installed and power to the machine is turned back on, then the "RC" error message on the Main Screen will disappear. Fuel Gauge will display 100%. The machine is now ready to resume operation.

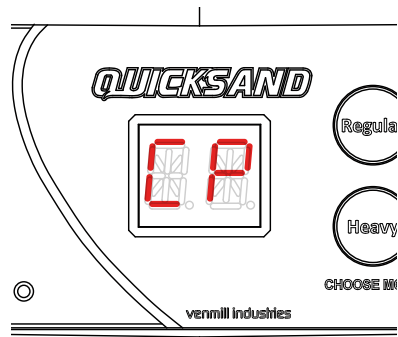
Error Messages:

- E1: Lid Closed / Switch still Activated.
- E2: Main Motor is not achieving enough current.
- E3: Main Motor is achieving too much current.
- E5: Water Pump is not working.
- ER: Emergency Stop.

Required Actions:

- CP: Replace Sanding Pads, Clean Filter, and Check & Add Water.
- CW: Clean the Water Reservoir and replace all the water, and replace Foam Pads.
- RC: Replace all Consumables and clean out machine.

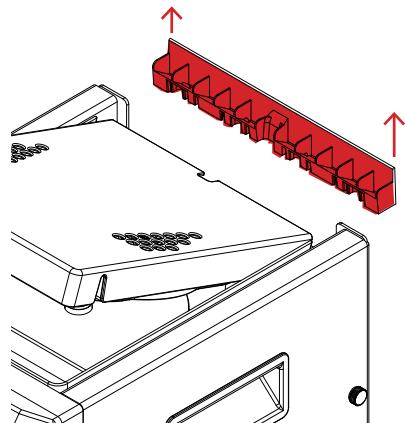
Care and Maintenance



Replacing Sanding Pads

The machine will notify the Operator to replace the Sanding Pads by displaying the "CP" message after 25 minutes of machine operation.

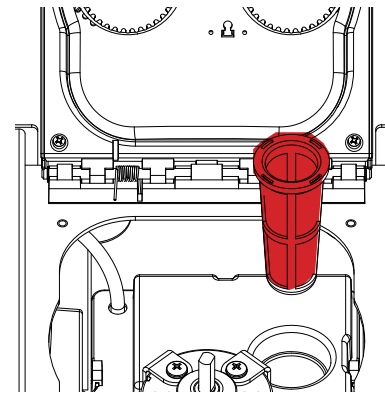
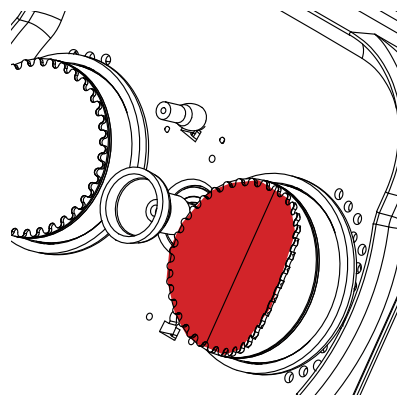
1. Remove the Lid Stopper from back of Lid.
2. Make sure the Lid is in the "Open" position.
3. Pull the Sanding Pads away from the Foam Pads, until the pads are completely detached.
4. Take a new Sanding Pad and line it up with the Foam Pad. It is essential that the Buffing Pad CENTERED on the Foam Pad. Make sure that both Sanding Pads are seated fully on to the Foam Pads.
5. Re-install the Lid Stopper.
6. Press the "Regular" and then the "Heavy" buttons on the User Keypad to clear screen.



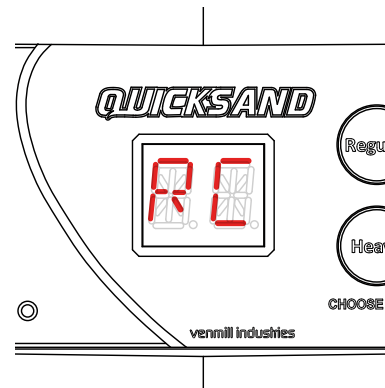
How to clean the Filter

The filter for the water reservoir must be cleaned at the same time as replacing the Sanding Pads, when the machine gives off the "CP" message. This will occur after 25 minutes of machine operation.

1. Remove the Lid Stopper from the back of the Lid.
2. Let the Lid gently open to its farthest position.
3. Pull off the Turntable from the Main Motor shaft.
4. Locate the removable Catch Tray. Pull up on the outer edges of the tray and remove from the machine.



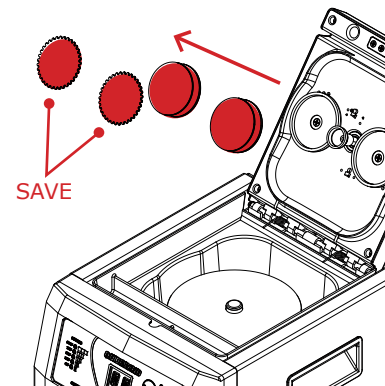
5. Locate the Water Reservoir and the opening for the filter. Pull the filter out of the reservoir.
6. Rinse the filter under warm water until all of the plastic remnants are washed away.
7. Re-install the filter and catch tray.
8. Check the level of water inside of the reservoir by looking at the water display on the front of the machine. If the water level is low, please replenish the water. (Do not fill past the 'MAX' fill line)
9. Re-install the Turntable onto the shaft of the Main Motor.
10. Re-install the Lid Stopper.



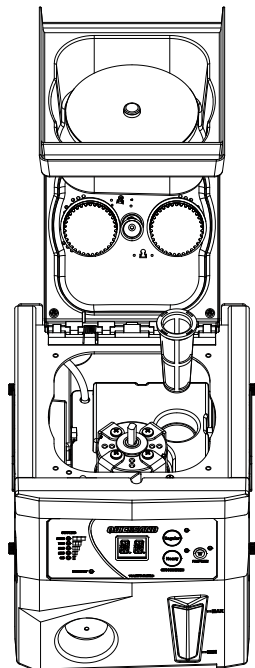
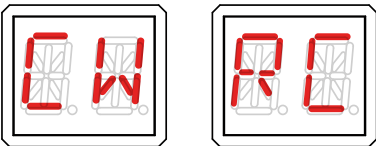
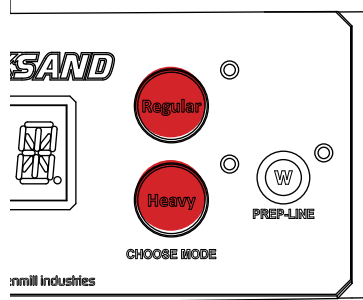
Replacing Foam Pads

The machine will notify the Operator to replace the Buffing Pads by displaying the "RC" message.

1. Make sure the Lid is in the "Open" position.
2. Locate the Foam Pads.
3. Pull the Foam Pad away from the Foam Pad Holder, until the pad is completely detached.
4. Repeat step #3 for the second Foam Pad.
5. Take your new Foam Pad and line it up with the Foam Pad Holder. It is essential that the Foam Pad is CENTERED on the Foam Pad Holder. Make sure that the new Foam Pad is fully seated on the Foam Pad Holder by pressing gently on the entire surface of the pad.
6. Repeat step #5 for the second Foam Pad.
7. You must also at this stage, install a new set of Sanding Pads.



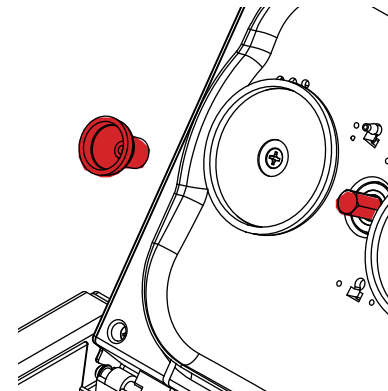
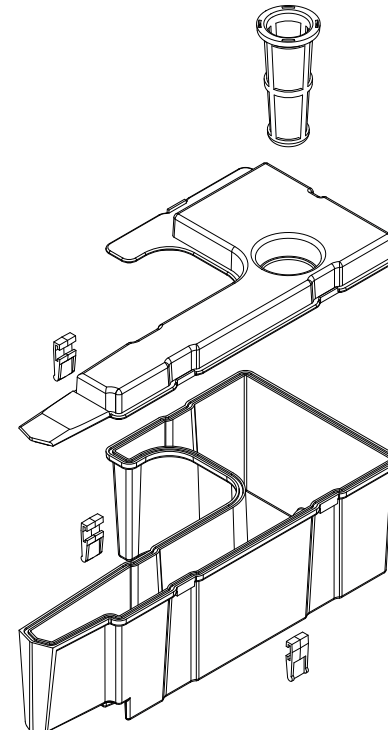
Care and Maintenance



Cleaning Water Reservoir

It is important that you clean out and refill the Water Reservoir at both the "CW" and "RC" messages.

1. Remove the Lid Stopper from the back of Lid.
2. Let the Lid gently open to its farthest position.
3. Pull off the Turntable from the Main Motor shaft.
4. Locate the removable Catch Tray. Pull up on the outer edges of the tray and remove from the machine.
5. Locate and pull down on the Back Panel Door, on the rear of the machine, to expose the Water Reservoir.
6. Remove the feed tubing from the reservoir, it's in the rear of the machine, located on the right hand side of the reservoir.
7. Pull the Water Reservoir out of the machine.
8. Remove the filter from the reservoir and clean it under warm water.
9. Remove the reservoir clips and pull the top part of the reservoir from the bottom.
10. Pour out and dispose of the water from the reservoir. Wash the inside of the reservoir with warm water until clean.
11. Put the reservoir back together and Re-install the clips. Insert the reservoir into the machine and reconnect the water feed tube.
12. Re-install the Catch Tray.
13. Towards the back right hand corner of the Catch Tray is a drain that connects to the water reservoir. Pour about 750ml of water into this area.
14. Watch the visual water display on the front of the machine as you fill the reservoir with water.



(Do not fill past the 'MAX' fill line)

15. Re-install the Turntable.
16. Re-install the Lid Stopper.
17. If the Water Reservoir was cleaned due to the "CW" message, press the "Regular" and then the "Heavy" buttons on the User Keypad, to inform the machine that the pads were replaced.
18. If the Water Reservoir was cleaned out due to the "RC" message, no further action is required, unless other consumables need to be replaced.

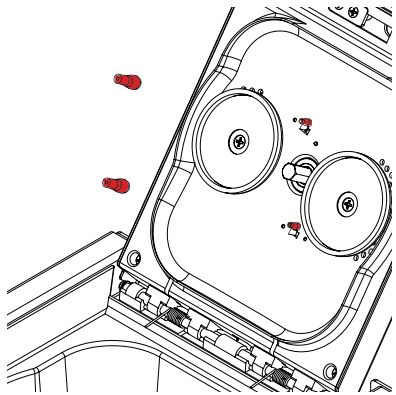
Replacing Center Hubs

The Center Hub must be replaced at the same time that all the other consumables are being replaced due to the "RC" message.

1. Make sure the Lid is in the "Open" position.
2. Locate the Center Hub.
3. Pull the used Center Hub off of the Hex shaped post with your Index Finger and Thumb.
4. Take the new Center Hub and line up the Hex shaped opening on the hub with the Hex shaped post.
5. Push the Center Hub onto the post.
6. Spin the Center Hub by hand to make sure the Hub is centered. If needed, make the proper adjustment.

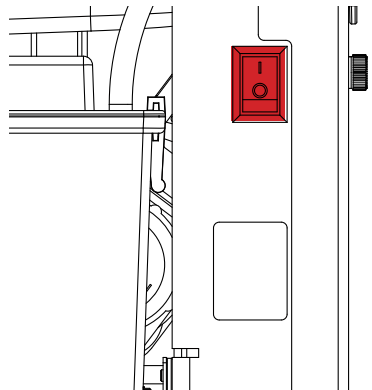
Care and Maintenance

Replacing Jet Nozzle Extenders



1. Pull off the existing Jet Nozzle Extenders and discard.
2. Push on the new ones found in your consumables pack.

Replacing the Credit Chip

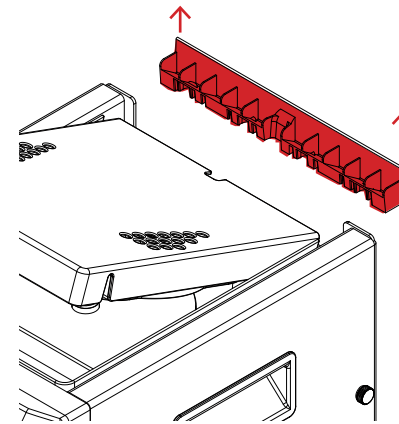
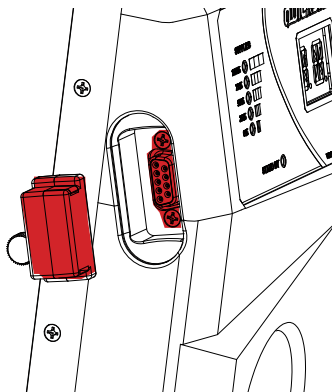


The machine will notify the Operator to replace the Credit Chip by displaying the "RC" message (replace consumables). All consumables must be replaced at this time!

1. Turn OFF power to the unit.
2. Remove and discard the depleted Credit Chip then install the new one.
3. Once the new Credit Chip has been installed and the machine is powered back on, the "RC" message on the Main Screen will disappear, and the "Supplies – Fuel Gauge" will display the new credit.

Note: The Fuel Gauge will display 100% with a 100 minute Credit Chip.

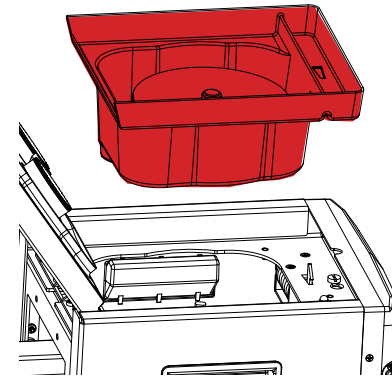
If a 50 minute starter Credit Chip is installed, the Supplies Gauge will only display 50%.



Cleaning the Catch Tray

Over time your Catch Tray may build up with plastic residue from the Sanding Process. There is no set time for when this item needs to be cleaned. However, we strongly recommend at least cleaning the Catch Tray every time a new set of consumables is installed.

1. Make sure the Lid is in the "Open" position.
2. Remove the Lid Stopper from the back of the Lid.
3. Let the Lid gently open to its farthest position.
4. Pull off the Turntable from the Main Motor shaft.
5. Locate the removable Catch Tray. Pull up on the outer edges of the tray and remove from the machine.
6. Rinse the Catch Tray under warm water until all of the plastic remnants are washed away.
7. Make sure that the Catch Tray is dry before Re-installing into the machine.
8. Re-install the Catch Tray.
9. Re-install the Turntable onto the shaft of the Main Motor.
10. Re-install the Lid Stopper.

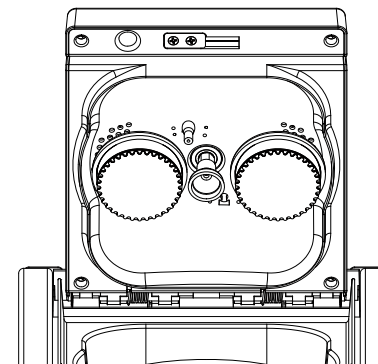


Putting the Machine into storage

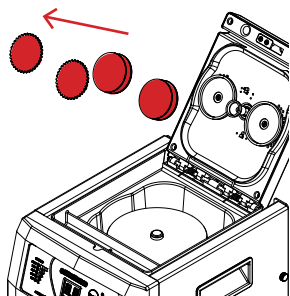
Make sure to keep the Lid in the "Open" position. This will ensure that the Foam Pads will not become flat.

Caution: Flat pads may produce inferior results.

Note: If you desire to keep the Lid in the "Closed" position while not in use, remove the Turntable from the machine.



Additional Information

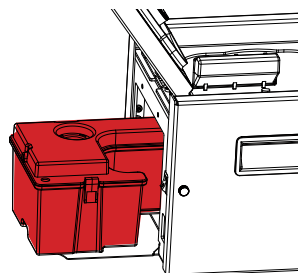


Repackaging

1. Remove the Foam Pads, along with the attached Sanding Pads, from the inside of the machine.
2. Empty the Water Reservoir.
3. Drain the Water tubing.

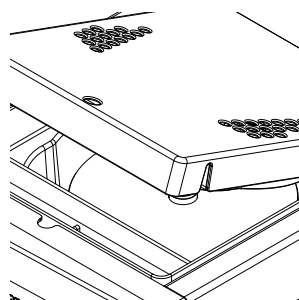
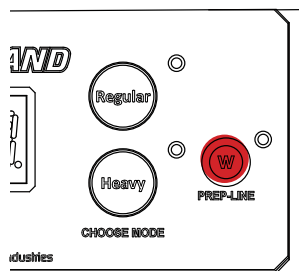
Note: For the Water line, press the "W" button on the front User Keypad. Have a small container ready to catch the draining water. Once all the water has been drained, press the "W" on the front User Keypad to stop the drainage.

Warning: You must drain all the water from the Water Reservoir and the Water Line before shipping. Failure to do so may cause damage that would not be covered under the warranty.



4. Turn off power to the machine.
5. Close the Lid.
6. Remove the Power Cable.
7. Place the machine into the protective plastic bag.
8. Place the machine into the left and the right packing foams.
9. Place the Quicksand into the Shipping Box.
10. Place the Top Cardboard Insert back into position.
11. Insert anything else that has been required by the Technical Support Department.
12. Close and tape the Shipping Box.
13. Write the provided RMA number on the outside of the Shipping Box.

Note: If you feel your machine is not functioning correctly please stop using the unit and contact Support on 0800 412 5424.



Frequent Questions

Why do I have to keep the Lid in the open position when my machine is not in use?
Leaving the Lid in the closed position for a prolonged period of time, without running the machine, will cause the Foam Pads to become flat. When this happens the Foam Pads will not be able to sand the discs properly. If you would like to keep the Lid closed, when the machine is not in use, remove the Turntable Assembly from the machine.

Can I sand a 3 inch disc? No!

Can I sand a Blu-ray disc? No!
Due to the nature of Blu-ray discs, where the data layer is so close to the surface of the optical side of the discs, this sanding process is too aggressive and will damage the data layer. For maintenance and repair of Blu-ray discs, we strongly recommend repairing them on the VMI Hybrid disc repair machine.

Can I sand a Double-Sided disc? Yes!

Can I sand a disc that is warped or cracked? No!

When should I replace my Turntable?
There is no set life expectancy for the Turntable. If you notice any imperfections, such as rips, tears, nicks, gouges, worn spots, and/or missing material – then the Turntable should be replaced. You can order a replacement at www.totaldiscrepair.co.uk.

Can I run my machine over 100 (or 50) minutes without replacing the Credit Chip?
No! Once the Credit Chip is depleted the unit will not allow for any more cycles to be run. Once a new Credit Chip has been installed, the machine will continue with normal operation.

Why do I have to remove the Water from the machine for shipping?
Since we cannot control how your VMI Quicksand is handled when in transit, we ask that you remove all traces of water from the machine, so that no water leaks into the machine during shipping. Water leakage will cause damage to the internal components.

What should I do with the leftover water on my discs?
Due to the nature of the Quicksand sanding process, water will be left on the surface of the disc at the end of the cycle. It is recommended that you try to pour any large quantities of water back into the Catch Tray. Any remaining water on the disc should be wiped away with a cloth to ensure that any remaining plastic remnants on the disc are removed. The VMI Quicksand is designed to work optimally with the VMI Hybrid. Cleaning the disc of all plastic particles will ensure that the Hybrid Buffing Pads are not contaminated with plastic particles.

Additional Information

Specifications

Disconnect unit from supply circuit before opening!

Warning and Cautions:

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty.

If you have any questions about this product, contact us on 01202 489 500.

Special Feature: Emergency Quick Release

If at any time you need to manually release the Lid, you can do so by using any object such as a pencil or pen, to release the latch.

Safety Features:

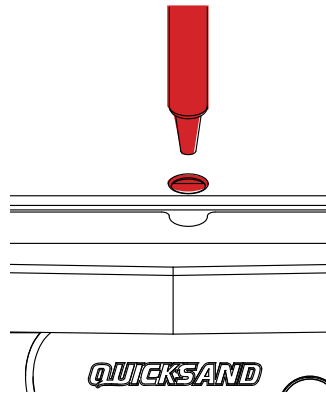
- Removable power Cable
- ON/OFF Switch
- Process controlled to prevent operation when Lid is in the opened position
- Emergency Stop with any button activation or release of the latch for the Lid

Specifications:

Weight: 18lbs

Dimensions: 8.7"W x 11.2"L x 7.85"H

Warranty: 1 Year Limited



Contacting Us

totaldiscrepair.co.uk/support/vmi-quicksand

or

0800 412 5424

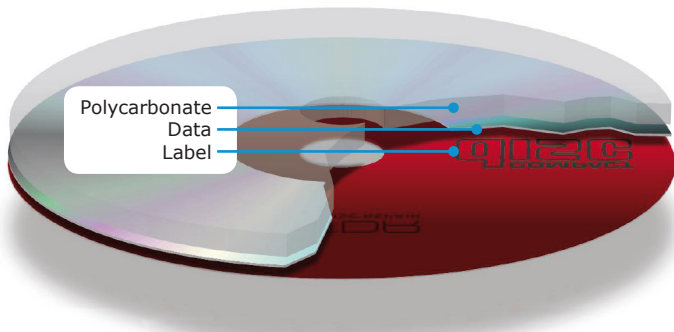
Total Disc Repair,
Unit 1, Christchurch Business Park, Radar Way,
Christchurch, Dorset, BH23 4FL

Your Notes

Disc Types

CDs

When discs were invented the process of construction was quite simple. These are what we call CD discs. To produce the disc, a solid polycarbonate disc was made. Then the data layer was applied to the top surface of the disc. To protect this data layer, a lacquer, or label, was then applied over the top of the data layer.



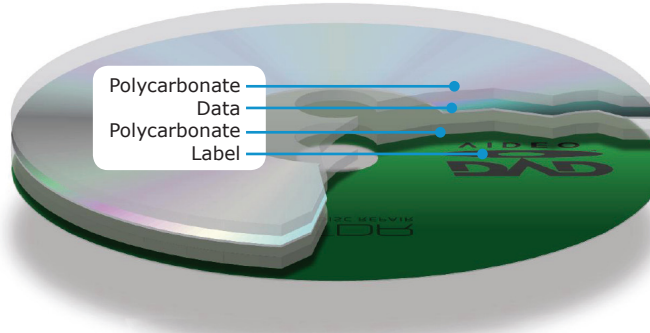
This made the data layer quite vulnerable because any scratch to the label could damage the data layer beneath. If a scratch has reached the data layer it is not repairable. Disc repair can only repair the polycarbonate on the underside of the disc.

Formats:

- Audio Books
- Audio CDs
- CD-ROMS
- Playstation version 1 discs

DVDs

The early CDs were mainly used for audio and so often a small scratch was not enough to disrupt the data. However as the data on discs became more complicated it became more important to protect the data layer. On DVD discs the data layer is sandwiched in the middle of the disc between two pieces of polycarbonate. This protects the data layer and makes the disc virtually indestructible. The only issue with this type of disc is that the two layers of disc can separate around the whole in the centre of the disc, although this is quite rare.



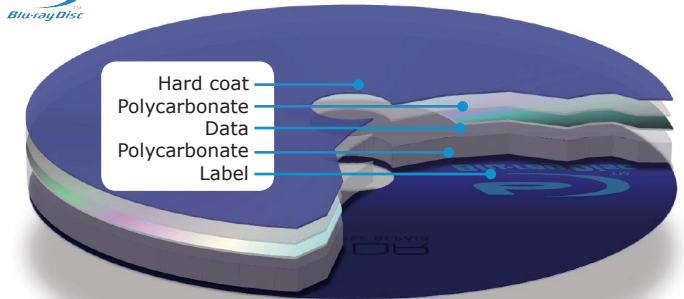
Because the data is so protected virtually all DVD discs can be repaired by the disc repair process.

Formats:

- DVDs
- Playstation 2 discs
- Xbox
- Wii
- DVD ROM

Blu-rays

With the invention of High Definition (HD) there was a need to carry more information on a disc and soon the data space on a DVD was not enough. Sony solved this with the invention of the Blu-ray disc.



It is essentially the same as a DVD with 2 main differences:

1. The polycarbonate on the bottom of the discs is much thinner than a DVD and so the number of times that the same disc can be repaired falls to around 10-15.
2. The polycarbonate on the bottom of the disc has a hard coated lacquer on top of it. This hard coat reduces the chance of the disc being scratched in the first place, but nonetheless scratches can still happen.

Formats:

- Blu-ray films
- Playstation 3
- Playstation 4
- Xbox One

Good Machine Use & Safety...

Here are a few simple tips for you to get the most out of your disc repair machine.

We're here to help!

- ▶ Our Technical Support Team is on hand five days a week to help you. You can reach us by phone or email & there is also information on our website.
- ▶ Whenever you have a question, or if you suspect a problem, we'd love to hear from you – calls are free!
- ▶ Most things can be dealt with over the phone, though our turn-around time for repairs is pretty quick.

Staying safe whilst repairing...

- ▶ Locate and use the machine in a safe and suitable location.
- ▶ Never use a damaged power cable, or any other than the one supplied.
- ▶ Touching the machine or its plug with wet hands could cause injury.
- ▶ Seek medical attention if the polish comes in contact with your eyes or mouth.
- ▶ Please keep the machine out of the reach of children.

Prevent damage to your machine...

- ▶ Running a repair cycle on the machine without a disc on the tray may cause damage to the pads and tray surface.
- ▶ To clean the machine just use a damp cloth and a bit of CD spray can help. Please don't clean the machine by running it under a tap, electronics don't like water!
- ▶ Please contact us before disassembling the machine in any way.

Prevent voiding your warranty...

- ▶ Only use authentic TDR consumables in your machine, 'home brew' products invariably cause damage to the machine and of course void the warranty.
- ▶ Making unauthorised modifications to your machine is dangerous and will also void your warranty.
- ▶ Not using the machine in the way instructed by this user guide may also affect your warranty if faults occur.

Contacting Technical Support:

Freephone:

0800 412 5424

Lines are open Monday to Friday, 9am to 5pm (excluding Bank Holidays).

Email:

support@totaldiscrepair.co.uk

We aim to respond within an hour, though it could be up to one working day.

Thank you once again for buying with TDR and joining our extensive network of professional disc repairers, we recommend putting this sheet up near your machine for reference. If personal injury or damage to your machine or property occurs as a result of not following these instructions, TDR can not be held liable.