

OWNER'S MANUAL



Serial No.: _____ Date of Purchase: _____

PREVENTATIVE MAINTENANCE:

Just like your car - a Podiatry Drill will operate best when serviced regularly.

In consultation with the Manufacturer, Briggate Medical Company recommend that this appliance be sent to us for inspection every:

**12-18 MONTHS
SERVICE FREQUENCY**

Preventative Maintenance scope:

- handpiece dis-assemble and inspection
- handpiece clutch replacement
- handpiece motor testing
- vacuum motor inspection and pressure test
- circuit board inspection and clean
- electrical test and tagging

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WARRANTY DETAILS:

Term: 24 Months (from date of purchase)

Conditions:

- This warranty is set out by the Manufacturer against faulty parts and/or workmanship.
 - Briggate Medical Company is the sole authorised warranty repair agent in Australia and New Zealand.
 - All warranty and service works are performed at Briggate Medical Company's service facility; 23-25 Lakewood Blvd, Braeside, Victoria, 3195. No freight charges will be accepted for the return of this appliance to Briggate Medical Company - regardless of warranty claim outcome.
 - The Suda Vac S warranty does not cover the wear and tear on the clutch mechanism in the handpiece. This is a consumable component which may require replacement every 12-24 months.
 - This warranty will be VOID if there is evidence of dust bags NOT being used during operation.
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Technical Data

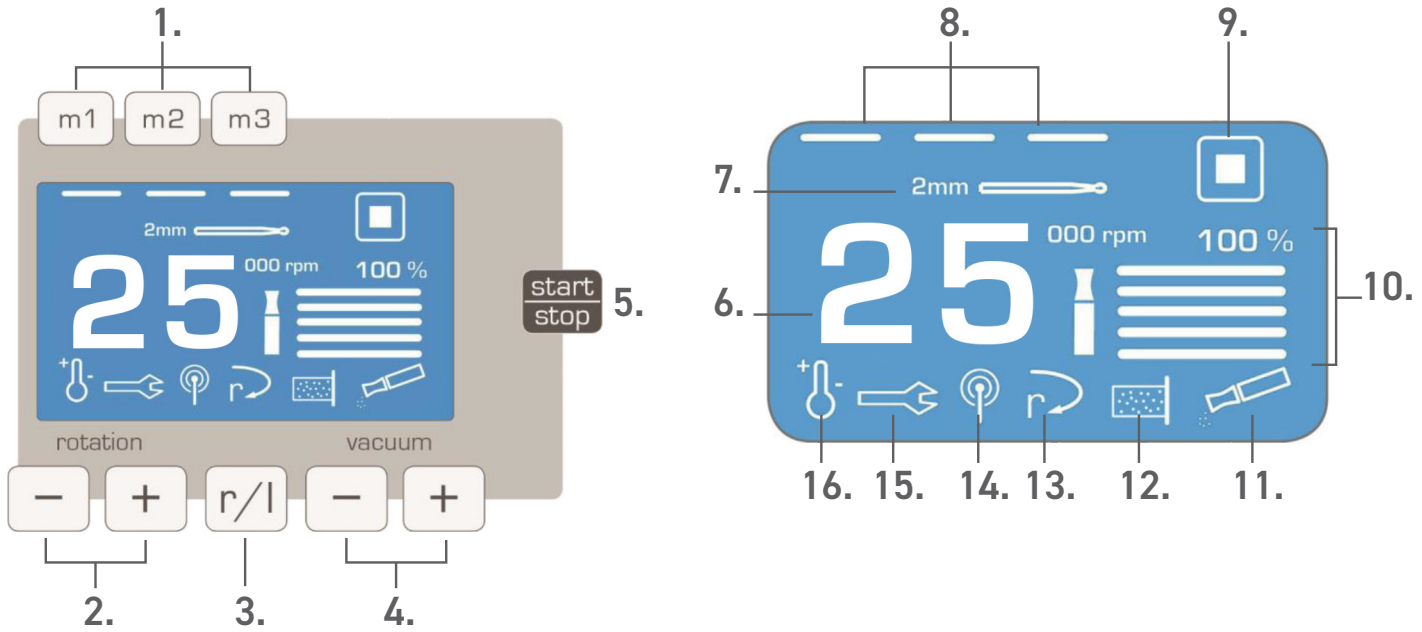
Measurements:	240mmW x 125mmH x 225mmD
Equipment:	Main Control Box, Micro-Motor Handpiece, Suction/Power Hose, Dust Bag, Mains Power Lead, Handpiece Holder, Cleaning Brush
Total Weight:	3.6 kg
Handpiece Weight:	112 g
Noise Level:	49dB
Voltage:	10-230V / 50-60 Hz
Warranty:	24 Months (Return to Base)
Fuse:	2 x 3.15 A
Rotation Speed:	6,000 RPM - 25,000 RPM

Safety Instructions

Please ensure the following are strictly adhered to:

- DO NOT use bent or damaged mandrels and burrs (tools).
 - Only use quality tools which have a shaft diameter of 2.35mm (some inferior tools may have undersized shafts which may slip and damage the Handpiece). All tools supplied by Briggate Medical Company meet the above specifications.
 - To reduce any chance of overheating ensure clearance of at least 25mm around all sides of the Main Control Box. Ensure the ventilation slots in the Main Control Box are clear of any blockage.
 - Ensure no liquids enter the Main Control Box or Handpiece.
 - DO NOT lubricate any part of the Handpiece.
 - DO NOT clean the the Main Control Box with an alcohol based cleaner. Only use an alcohol-free surface wipe (eg: Clinell).
 - The Main Control Box can only be opened by authorised service technicians. Unauthorised opening of Main Control Box will negate the Manufacturers Warranty.
 - Do not operate in extremely hot or very damp conditions.
 - Always ensure the device is dis-connected from mains power when dismantling the Handpiece.
 - Never operate the device without a Dust Bag fitted.
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Main Features & Controls



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|--|--|
| 1. Programmable Memory Buttons | 12. Change Dust Bag Indicator |
| 2. Decrease/Increase Tool Speed (R.P.M) Buttons | 13. Tool Rotation Direction Indicator (left/right) |
| 3. Tool Direction Button (left/right) | 14. Foot Switch Connected (not available in Australia) |
| 4. Decrease/Increase Vacuum Suction Buttons | 15. Maintenance Indicator |
| 5. Start/Stop (Tool Rotation) Button | 16. Vacuum Motor Temperature Alert |
| 6. Handpiece R.P.M Indicator | 17. Main On/Off Switch (Located at rear of unit) |
| 7. Recommended Burr Size for current R.P.M setting | 18. Main Control Unit |
| 8. Active Memory Slot | 19. Handpiece On/Off Button |
| 9. Handpiece Status (On/Off/Paused) | 20. Micro-Motor Handpiece |
| 10. Vacuum Suction Strength Indicator | 21. Dust Bag Faceplate (Dust Bag Chamber located behind) |
| 11. Dismantle & Clean Handpiece Indicator | 22. Suction Hose |



Initial Set-up



- NEVER operate the device without a Dust Bag installed.
- The Dust Bag Faceplate must be connected properly into the Dust Bag Chamber

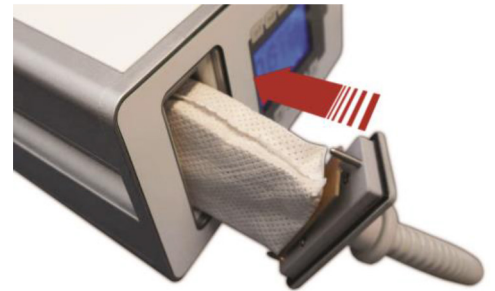
Location of Main Control Unit

When choosing the location of your Suda Vac S, please follow the below guidelines:

- place the device on a firm, level surface
- Do not place the device on a hand towel or any fabrics
- Ensure adequate space for ventilation around the device (at least 25mm around all sides)

Filter Bag Installation & Connection of the Suction Tube to the Main Control Unit

1. Hold the connection of the Hose to the Dust Bag Faceplate (21) and pull away from Main Control Unit (18).
2. If a Dust Bag is already connected, re-insert the Dust Bag Faceplate (21) into the Dust Bag Cavity.
3. Take a Dust Bag and slide it on to the piping located at the rear of the Dust Bag Faceplate (21).
4. Line up the power pins at the rear of the Dust Bag Faceplate (21) to the receiving holes in the Main Control Unit and insert the fitted Dust Bag into the Dust Bag Chamber. Ensure not to damage or bend the Connection Pins.
5. Ensure the Dust Bag Faceplate (21) is connected properly to the Main Control Unit prior to operation.



Attaching the Handpiece Holder to the Main Control Unit

1. Slide the Handpiece Holder from the rear of the Main Control Unit into either the left or right side slots.
2. Once you have found your desired location, use a small flat-head screwdriver on the white plastic grub screw to fix the Holder in place (turn clockwise to tighten).



Adjusting the Angle of the Handpiece Holder

1. To adjust the angle of the Holder, use a 3mm Allen Key to loosen the central screw.
2. Rotate the Holder to your desired angle and tighten the screw to fix the Holder in your chosen position (please note: Allen Key is not provided).



Switching On the Unit

1. Insert the Mains Power Lead into the rear of the Main Control Unit (18).
2. Insert the opposite end into a Mains Power Wall Socket.
3. Turn the device on via the Main On/Off Switch located at the rear of the Main Control Unit.

Requirements for Tools (Burs & Mandrels)

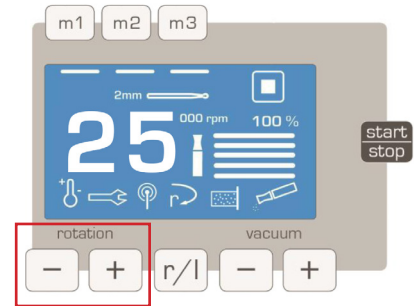


- Always ensure tools are fully inserted into the Handpiece as far as possible.
- NEVER USE TOOLS THAT ARE BENT OR DAMAGED. This may damage Handpiece and void warranty.
- ONLY use quality tools with a shaft diameter of 2.35mm. Refer to page 6 for further information.

General Functions

Tool Rotation Speed (R.P.M)

1. Hold the Handpiece securely in your hand prior to altering it's R.P.M.
2. Use the "+" and "-" buttons (2) to the below left of the display screen to increase/decrease the R.P.M
3. The R.P.M can be adjusted in increments of 1,000 revolutions from 6,000 to 25,00 R.P.M.

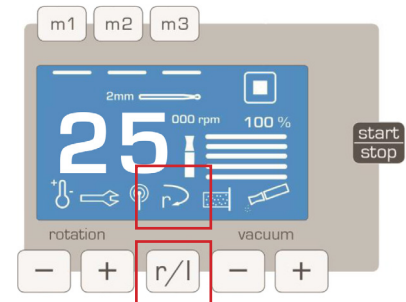


Adjusting Tool Rotation Direction

1. Press the Tool Direction Button (3) to switch directions.
2. The currently active direction is displayed on screen (13).
3. "r" signifies Right rotation. "l" signifies Left rotation.

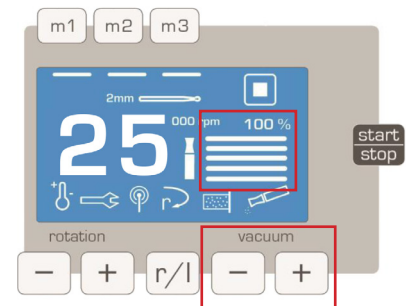


- To reduce wear on the Handpiece Motor, only change Tool Direction when the Handpiece Motor is switched OFF.



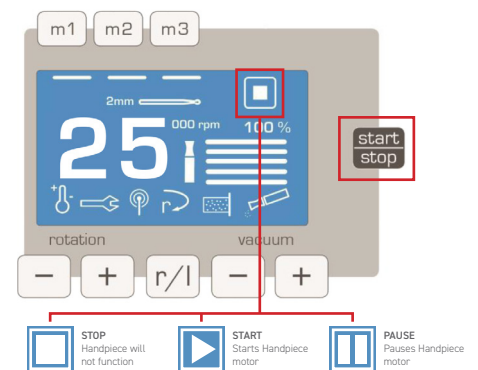
Vacuum Strength Level

1. Use the "+" and "-" buttons (4) to the bottom right of the display screen to increase/decrease the Vacuum Suction Level.
2. The suction level is increased/decreased in 20% steps.
3. Active Suction Level is indicated on the far right of the display screen (10).



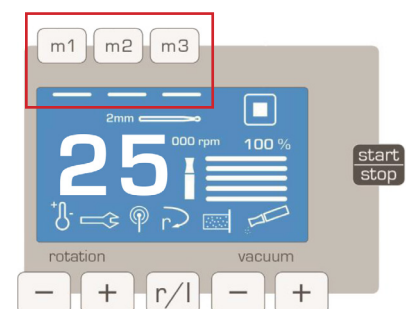
Starting/Stopping the Device

1. Pressing the Start/Stop Button (5) will switch on/off the Handpiece Motor.
2. Once the device is started the Handpiece can be paused via the Handpiece On/Off Button (19) located near the connection of the Handpiece to the Suction Hose.
3. The Handpiece On/Off Button (19) will not work if the device is set to STOP on the Main Control Unit.



Programming Memory Buttons

1. Enter your desired Tool Rotation Speed, Direction, and Vacuum Strength Level using the appropriate buttons.
2. Allocate the settings to either M1, M2 or M3 buttons by pressing and holding the button for at least 3 seconds.
3. Your working setting has now been saved to your chosen Memory Slot.
4. The selected memory setting (M1, M2, M3) will be indicated in the top left of the display screen.



Inserting/Removing Tools (Burrs & Mandrels)



ALWAYS INSPECT TOOLS FOR DAMAGE OR WEAR PRIOR TO INSERTION.

1. Prior to inserting/removing a tool, ensure the unit is either switched off or in Stop Mode.
2. The Handpiece is equipped with a 'quick-grip' centrifugal chuck mechanism. No twisting is required to open or lock the chuck.
3. Insert your chosen tool into the chuck until it can be inserted no further.
4. To remove a tool, simply hold the tool and pull it from the Handpiece.

Tool Requirements (Burrs & Mandrels)



THE FOLLOWING INFORMATION IS EXTREMELY IMPORTANT. DAMAGE RESULTING FROM FAILURE TO ADHERE TO THE INSTRUCTIONS GIVEN BELOW WILL NOT BE COVERED UNDER MANUFACTURERS WARRANTY.

- DO NOT use bent or damaged mandrels and burrs (tools).
- Only use quality tools which have a shaft diameter of 2.35mm (some inferior tools may have undersized shafts which may slip and damage the Handpiece).
- All tools supplied by Briggate Medical Company meet quality and size requirements as specified by the manufacturer.

Replacing the Fuse



ALWAYS ENSURE UNIT IS SWITCHED OFF AND MAIN POWER LEAD IS REMOVED FROM WALL SOCKET PRIOR TO REPLACING THE FUSE.

The fuse protects the device in the event of a power surge. Should this occur, the fuse will need to be replaced. You will require two 3.15 A fuses which are available at any electronics store.

1. Switch the device off and remove the Mains Power Lead from the rear of the Main Control Unit (18).
2. The Fuse Cartridge is located to the right of the Mains Power Socket at the rear of the device.
3. Insert a flathead screwdriver under the tab on the left of the Mains Power Socket and gently lever the Fuse Cartridge from the device.
4. Use the screwdriver to free the current fuses from the Fuse Cartridge.
5. Insert the new fuses into the Fuse Cartridge.
6. Push the Fuse Cartridge back into the device until it clicks into place.



The device is now ready to resume operation.

Replacing Dust Bags

Prior to use each day, it is recommended to check the Dust Bag level and to ensure correct fit.

1. Hold the connection between the Suction Hose and the Dust Bag Faceplate (21).
2. Gently wriggle and pull the Faceplate away from the Main Control Unit ensuring that the Dust Bag fitted stays attached to the Dust Bag Faceplate.
3. Carefully remove used Dust Bag from piping at rear of Faceplate as not to spill nail dust within.
4. Clean any visible nail dust from in and around the Dust Bag Chamber using a DRY paper towel.
5. Take a new Dust Bag and slide it on to the piping located at the rear of the Dust Bag Faceplate.
6. Take the Dust Bag Faceplate with a fitted Dust Bag and gently push it into the Dust Bag Chamber. Ensure the Handpiece power pins (located at the top and bottom behind the Dust Bag Faceplate) are properly aligned to the Main Control Unit.
7. Ensure the Dust Bag Faceplate (21) is connected properly to the Main Control Unit prior to operation.



ONLY USE ORIGINAL SUDA DUST BAGS AS SUPPLIED BY BRIGGATE MEDICAL COMPANY



NEVER RE-USE FILTER BAGS. DOING SO IS UNHYGIENIC AND MAY LEAD TO A BAG TEAR RESULTING IN DAMAGE TO THE VACUUM MOTOR. IN SUCH CASES WARRANTY WILL BE VOID.



CLEAN THE FILTER BAG CHAMBER AT EVERY BAG CHANGE. FAILURE TO DO SO MAY LEAD TO DAMAGE TO THE VACUUM MOTOR. IN SUCH CASES WARRANTY WILL BE VOID.



IF VACUUM SUCTION IS NOTICEABLY REDUCED, THE DUST BAG SHOULD BE CHANGED &/OR THE HANDPIECE DISMANTLED AND CLEANED. BLOCKAGES OF ANY KIND CAN CAUSE THE VACUUM MOTOR TO OVERHEAT. REPEATED OVERHEATING WILL DAMAGE THE MOTOR. IN SUCH CASES WARRANTY WILL BE VOID.

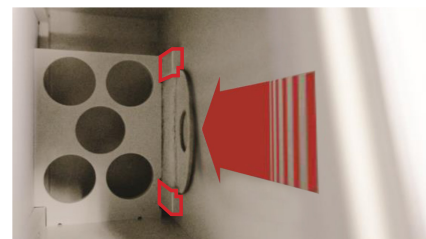
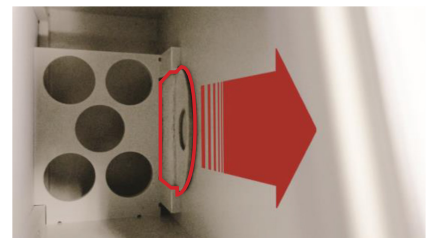
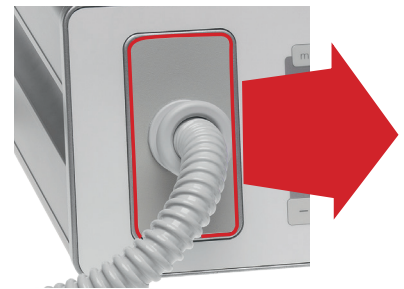


OVER-FILLED FILTER BAGS CAN LEAD TO A TEAR RESULTING IN NAIL DUST ENTERING THE VACUUM MOTOR. THIS CAN CAUSE DAMAGE TO THE VACUUM MOTOR. IN SUCH CASES WARRANTY WILL BE VOID.

Replacing the Vacuum Motor Filter

The Vacuum Motor Filter needs to be changed after 5 Dust Bag changes. Replace the Filter as detailed below:

1. Remove the **Dust Bag Faceplate** (this is where the Hose enters the Main Control Unit).
2. Remove the existing **Vacuum Motor Filter** located on the right-hand wall (rear) as pictured.
3. Push the new Filter into place. Ensure that both the top and bottom edges of the Filter are positioned behind the **guide rails**.
4. Take the Dust Bag Faceplate with a fitted Dust Bag and gently push it into the Dust Bag Chamber. Ensure the Handpiece power pins (located at the top and bottom behind the Dust Bag Faceplate) are properly aligned to the Main Control Unit.
5. Ensure the Dust Bag Faceplate is connected properly to the Main Control Unit prior to operation.

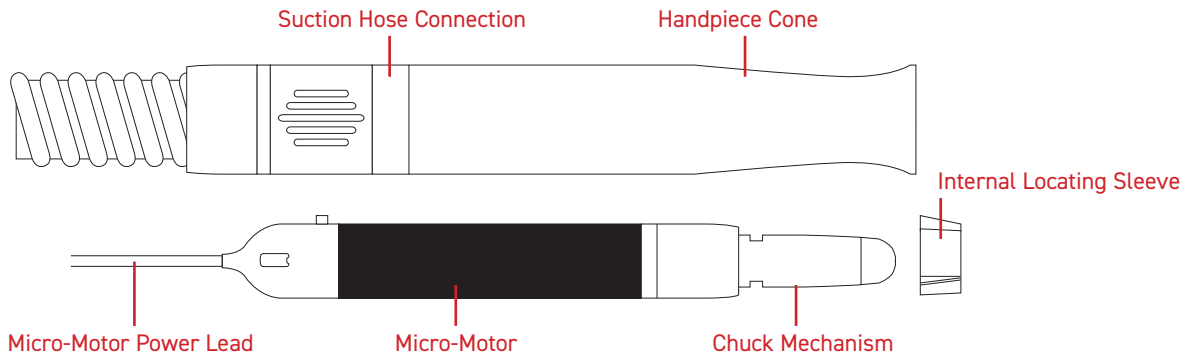


Handpiece Dismantling & Cleaning

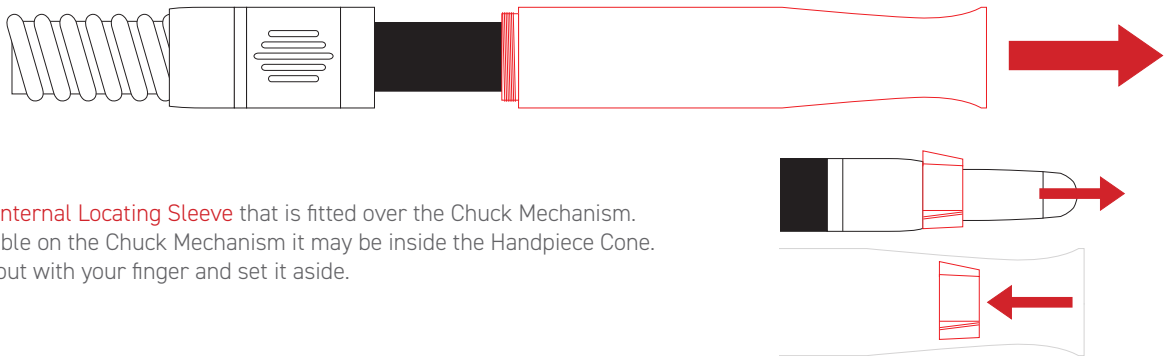


ALWAYS ENSURE UNIT IS SWITCHED OFF AND MAIN POWER LEAD IS REMOVED FROM WALL SOCKET PRIOR TO DISMANTLING THE HANDPIECE.

This procedure should be carried out at least every two weeks to ensure optimum performance and reduce the risk of damage to your Suda Vac S Podiatry Drill.

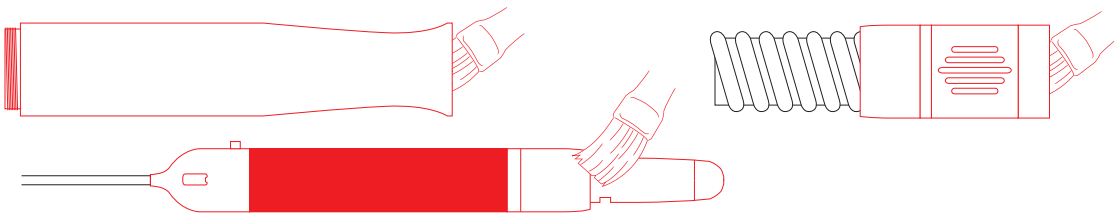


1. Unscrew and the **Handpiece Cone** from the Handpiece. Use your fingers to hold the Micro-Motor in place prior to removing the Handpiece Cone.

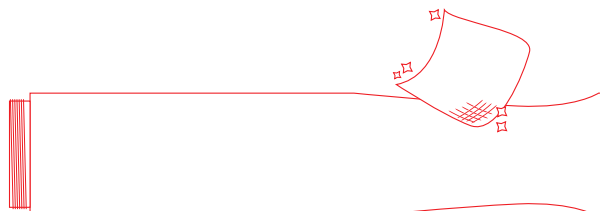


Slide off the **Internal Locating Sleeve** that is fitted over the Chuck Mechanism. If it is not visible on the Chuck Mechanism it may be inside the Handpiece Cone. If so, push it out with your finger and set it aside.

2. With the Cleaning Brush provided, clean the interior of the **Handpiece Cone** and **Suction Hose Connection** and the outer of the **Micro-Motor** and **Chuck Mechanism** thoroughly. Pay particular attention to the Chuck Mechanism.

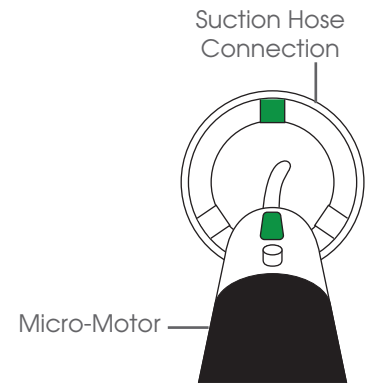


3. Wipe the inner and outer of **Handpiece Cone** with a damp cloth or detergent wipe.



Handpiece Dismantling & Cleaning (cont.)

4. To allow the Micro-Motor to fit snugly in the Suction Hose Connection, gently pull on the Suction Hose. This will help draw the Micro-Motor into the Fastening Pegs located within the Suction Hose Connection. Ensure to line-up the **green marking** near the On/Off Button to the **green marked** Fastening Peg inside the Suction Hose Connection.



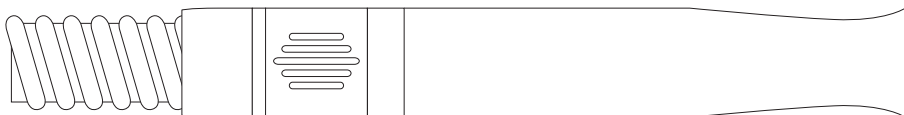
5. Slide the **Internal Locating Sleeve** over the Chuck Mechanism.



6. Screw the **Handpiece Cone** back onto the Suction Hose Connection.



Your Handpiece is now clean and ready for use.



Hints & Troubleshooting

Fault	Cause	Solution
Device does not function	Mains Power Lead not connected properly	Remove and re-insert Mains Power Lead to ensure proper connection
	No power supply from Mains Power Wall Socket	Plug another electrical device into the Wall Socket to determine if the Wall Socket has power
	The fuse is faulty	Refer to page 6 for fuse replacement instructions
Unusual Handpiece vibration	Unsuitable or damaged tool is in use	Remove the current tool inserted in the Handpiece and inspect it for damage. Refer to the section titled "Safety Instructions" on page 2 for further information
	Tool Rotation Speed is too high for tool is in use	Reduce Tool Rotation Speed until vibration ceases. Refer to the display screen for suitable Speed (7) for burr size
Noticable reduction in Vacuum strength	The Dust Bag is full	Inspect and replace Dust Bag as necessary
	Blockage in Handpiece	Dismantle and clean the Handpiece. Refer to page 8 for instructions
Handpiece On/Off Button does not function	The device is in STOP mode	Press the START/STOP Button to activate the Handpiece Motor. Once activated it can be paused via the On/Off Button on the Handpiece. Refer to page 5 for instructions
	The Handpiece Motor is not fitted correctly within the Handpiece	Dismantle and inspect the Handpiece. Refer to page 9 for instructions

If none of the above suggestions resolve you issue, please contact our Service Department on 1800 33 4142.

PLEASE NOTE: All warranty and repairs must be carried out by our trained Service Technicians.

Quality Drill Consumables

Refer to www.briggatemedical.com for our full range of drill tools & consumables available from the following quality manufacturers:

Burrs:



Sanding Discs:



Mandrels:





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