



Manual

HANNL  **Micro Autom. 240/120V**

HANNL  **Limited Autom. 240/120V**

HANNL  **Mera ELB Eco 24V**

HANNL  **Aragon ELB Eco 24V**



Welcome!

Welcome!

Dear customer,

We are pleased that you have decided to purchase a record cleaning machine from Hannl – Vinyl Care and would like to congratulate you on this choice.

Please read the enclosed instruction manual carefully and make sure that you understood everything before installing and using the device. This manual will provide you with technical guidance that ensures cleaning and care of your records, trouble-free use of your device and your safety.

We wish you a lot of enjoyment with your new record cleaner

With best regards,
Your Hannl-Team



Micro Xpress RB Autom.

- A large 65 mm button for operating the device.
- Main switch on the rear panel.
- OFFPosition, Device turned off.
- ONPosition, Device is ready.
- PLATEPosition, Plate runs on fixed speed with automatic direction of rotation. Double brush head or round brush on a fix mounted foot. Manual wetting of the plate by apply-bottles (included)
- VACUUMPosition, Plate runs with reduced rotation speed, automatic switch of rotation direction after 1 ¼ turn, the suction turbine starts and vacuums the plate off softly and gently.
- In the PLATEPosition you've got the option to scrub a plate with a double brush head or a round brush for a longer period of time. Due to the reduced rotation speed the detergent stays on the plate and won't be pushed off the plate by centrifugal force. The automatic change of rotation direction allows cleaning the plate without having to stand. The plate will be cleaned until you cancel the cleaning and vacuum the loosened dirt.

Included:

- 1 x Micro XPress RB Autom. incl. Power cord.
- 1 x Doublebrush Head
- 1 x extraction arm
- 1 x Roundbrush
- 1 x Puck with label seal (black, plastic covered)
- 1 x Apply-Bottle
- 2 x of 1 Ltr X 2000 and 1 Ltr. VI3 C detergent.
- 1 x Micro Fiber Cloth



LIMITED RB Autom.

- A large 65 mm button for operating the device.
- Pump button to automatically apply the detergent
- Main switch on the rear panel.
- OFFPosition, Device turned off.
- ONPosition, Device is ready.
- PLATEPosition, Plate runs on fixed speed with automatic direction of rotation. Double brush head and round brush on a fix mounted foot. Wetting of the plate by button and an integrated pump with double brush head
- VACUUMPosition, Plate runs with reduced rotation speed, automatic switch of rotation direction after 1 ¼ turn, the suction turbine starts and vacuums the plate off softly and gently.
- In the PLATEPosition you've got the option to scrub a plate with a double brush head or a round brush for a longer period of time. Due to the reduced rotation speed the detergent stays on the plate and won't be pushed off the plate by centrifugal force. The automatic change of rotation direction allows cleaning the plate without having to stand. The plate will be cleaned until you cancel the cleaning and vacuum the loosened dirt.

Included:

- 1 x LimitedRB Autom. incl. Power cord.
- 1 x Doublebrush Head
- 1 x extraction arm
- 1 x Roundbrush
- 1 x Puck with label seal (black, plastic covered)
- 1 x Apply-Bottle



Limited Autom. 24V DC Vinyl cleaning machine

Information for the new features:

- The Limited Autom. 24V DC have now a big 24V DC powerpack with integrated fan to take out the heat.
- The handling and the optic is the same quality.
- If the main unit goes faulty you have only 24V DC on the front not longer 110V/230V AC how on the old Limited autom. RB.
- The CPU with the software can be updated in 1 minute by yourself without sending the machine. This have the advantage that you don't must resign on your machine and you can use your machine.
If you want to update you become a new CPU from us and send back the old one. A manual to change the CPU is included.
- With the new 24V DC unit we have become the Limited Autom. 24V DC much more quiet.
- The Limited Autom. 24V DC can bought in a based version without roundbrush for an cheap price.
With extension sets how a roundbrush set or a extension main unit you can build your Limited Autom. 24V DC step by step up to an full Mera ELB Eco 24V.
- A special system enables the customer to mounting the parts safety by thereself. If you have questions we are very glad to help.

Neue functions:

- To save energy the machine turns off after 2 minutes in vacuum.
In the normally washing program the machine runs without a time limit.
- Now its possible to change the direction of the plate in vacuum. You can use this feature if you push the pump button in program „**VACUUM**“.
- In the program „**VACUUM**“ the machine changes the direction of the plate after 1 ½ rounds.
- In the program „**PLATE**“ the machine changes the direction of the plate after 5 rounds.

For questions and problems we are very glad to help you, please contact us under hannl@hannl-systems.de

- 2 x of 1 Ltr X 2000 and 1 Ltr. VI3 C detergent.
- 1 x Micro Fiber Cloth



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1. Warning notes



1. Do not use the cleaning device before reading the instruction manual
- 2. Before commencing any work on the device please first of all unplug the power cord from mains!**
3. The device may only be operated in well-ventilated spaces.
4. Keep the device away from children.
5. It is recommended to unplug the powercord, when the device is not in use.
6. Ihr Gerät darf nicht in feuchter Umgebung, sowie in feuchten Räumen aufbewahrt werden.
7. Before the first use please check the power cable on possible damages.
8. Only original spare parts such as original washing liquid may be used when cleaning the records.
9. If the unit emits an abnormal odor or smoke, turn it off immediately and disconnect the power cable.
10. You must not wear loose garments, that can get trapped in the turntable.
11. The device may only be used for the purpose of record cleaning.
12. The device must not be left unattended while it is being operated.
13. The device must not be used on flammable surfaces
14. The device must be installed upright and stable.
15. The cleaning liquid must not be drunk and be in contact with the eyes or mucous membranes
16. The cleaning liquid must be kept away from children.
17. The detergent must not spill on sensitive surfaces.
18. Do not fill more than 0.4 litres of the cleaning fluid into the tank.

19. Empty the waste water container regularly and at latest after 30 records.

20. The record must not be laid on or removed during ongoing operation



2. Delivery and packaging

The Hannl record cleaner comes in a specifically designed packaging. At first it is advisable to check if there are recognisable external transport damages. In case of any damages please give us written notice within 3 days!

Please check the completeness of the scope of delivery as well. Included are following items:

- Record cleaner device
- Instruction manual
- Power cord
- Cleaning liquid
- 2 Sets of replacement velvet sheets
- specific bottle to apply liquids (only for RB)
- 1 microfibre cloth
- Tool for round brush

Important note: Please do not through away the original packaging. You will need it to protect your cleaning maching from possible damages during transportation (movings/repairs).

Please do not hesitate to contact us if you have further questions about how to use the cleaning device!

3. Installation

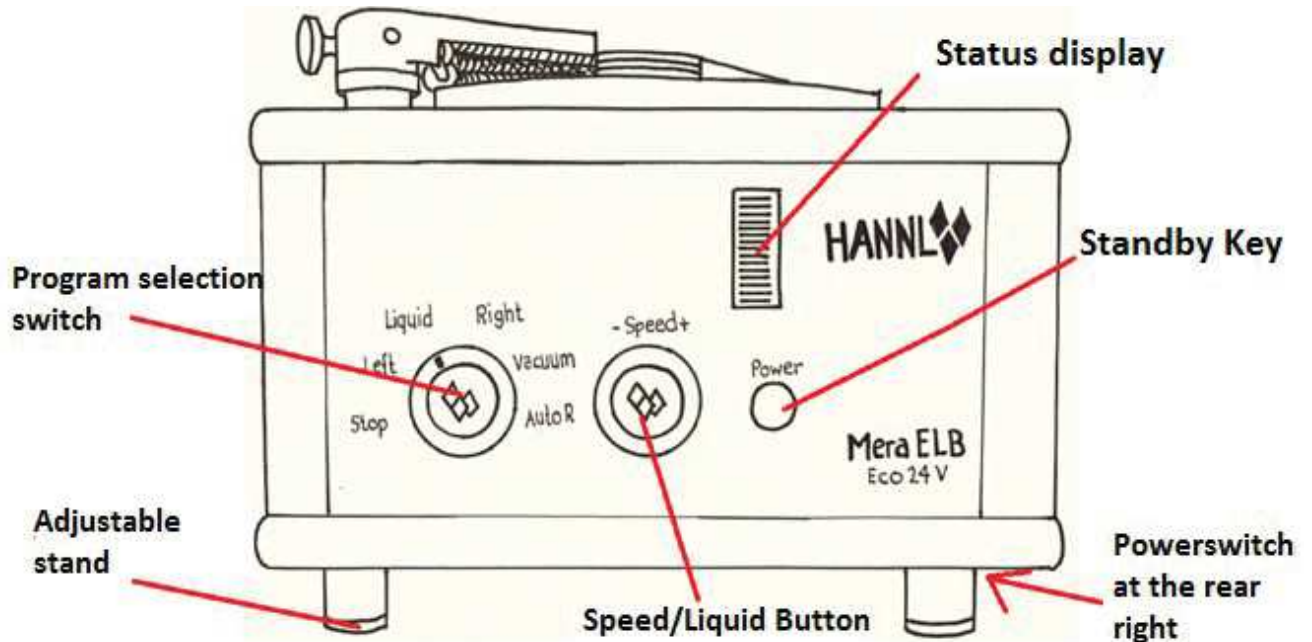
Please note that this cleaning device makes use of liquids, which may potentially dissolve plastic or varnished surfaces. Therefore, please place your record cleaner preferably on insensitive underlays or protection mats.

Please also insure that the pinch valve at the end of the hose (under the device) is always firmly closed

Have fun with your new record cleaner!



4. Front view, operative elements incl



4.1 Illustration:

Before operating you must bring the power switch to the *EIN* position, that, looking from the front, is located at the rear right under the device.

Press the standby key to activate the standby mode of your device.

Tip: When you have finished the cleaning procedure set the PROGRAMME SELECTION SWITCH to the *STOP* Position. After having used your device, the installed fan might conduct damp air away up to 10 minutes. Then, aprox. 10 minutes later your device will automatically shut down and go into standby mode.

The programme selection switch allows you to select between „LEFT“, „LIQUID“, „RIGHT“, „VACUUM“, „AUTO-R“.



4.2 „STATUS DISPLAY“:

By means of the bars you can read the velocity of the turntable or the suction power over the status display.

4.3 „LEFT“ and „RIGHT“:

The turntable runs in soft-course mode in the desired direction. Now you can set the velocity of the turntable using the „SPEED/LIQUID“ button. The recommended rotational speed is 4 on the **“STATUS DISPLAY”**. After that the brush arm can be swivelled on the turntable.

4.4 „LIQUID“:

During this programme the turntable continues to rotate in the previously selected direction with the difference that you have the possibility to apply the cleaning liquid via the cleaning brush (Warning: not the round brush). Press the „SPEED/LIQUID“ button for this purpose. If you want to set the direction of rotation manually and apply the cleaning liquid via the brush, you will have to choose between **„LEFT“** and **„RIGHT“** and then switch to **„LIQUID“**.

4.5 „VACUUM“:

With the function **„VACUUM“** the suction equipment will be activated to take off the cleaning liquid without expenditure after finishing the cleaning process. Please note that the clamp on the outlet hose is closed and the suction arm properly connected before choosing the programme. This is to avoid changes of the airflow, which could cause damages on the turbine. The turntable automatically changes the direction of rotation after $1\frac{1}{4}$ - $1\frac{1}{2}$ revolutions. This process can be manually interrupted by pressing the button **„SPEED/LIQUID“**. By turning the **„SPEED/LIQUID“** button you can adapt the suction levels according your requirements. (Recommended are 6-7 bars on the **“STATUS DISPLAY”**)



4.6 „AUTO-R“:

Records, which cannot be cleaned sufficiently during the normal cleaning process, can be cleaned with the round brush. This applies for new records as much as for strongly dirtied records, records from the flea market and wetly played records.

Set up your round brush following the operating and setting instructions. Fix the round brush with the rear, on the round brush situated “KNURLED SCREW”. (see chapter “ROUND BRUSH”)

Now turn the “PROGRAMME SELECTION SWITCH” to position „AUTO-R“.

The turntable starts at low speeds. Please choose the appropriate speed of the turntable (Recommended are 2-3 bars on the “STATUS DISPLAY”)

Now you can moisten the record with the cleaning liquid (Vi3C – on round brush) from the supplied bottle so that a surge builds up in front of the brush. It is important that the device stands horizontally. (see “ADJUSTABLE STAND”)

Slow turntable speed allows the cleaning liquid to stay on the record, so that the liquid has its appropriate affect and is not pressed outward by the centrifugal force. The “brush roller” should at most lightly touch the record. The cleaning effect results through the turbulent flow of the cleaning liquid under the brush. After aprox. 1 minute the plate changes its direction of rotation, an iterative process that continues until you interrupt the programme.

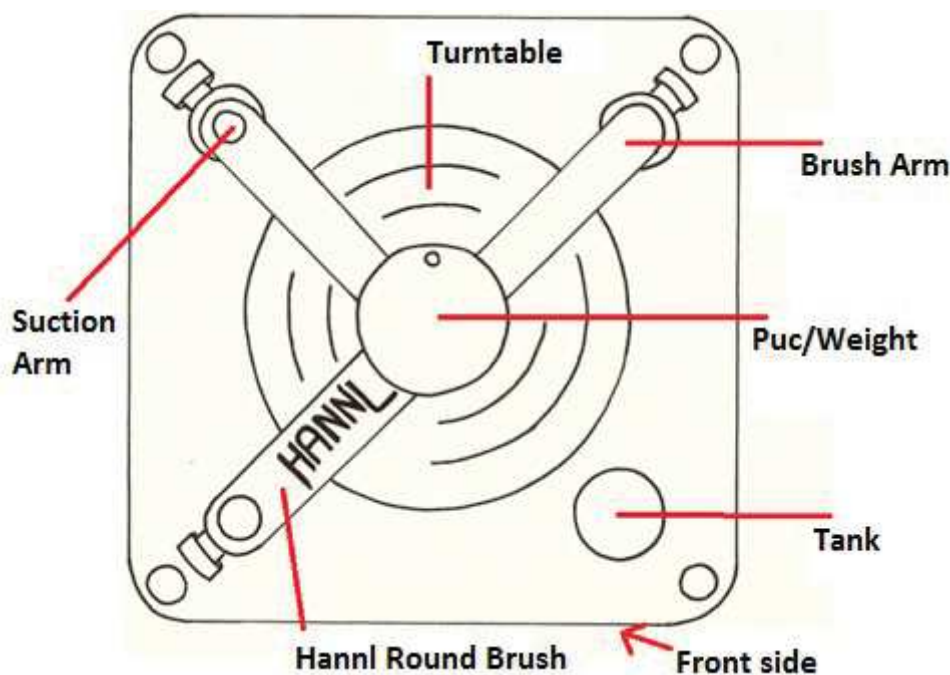
If you have plugged on the normal cleaning brush, you can press the „SPEED/LIQUID“ button to apply the cleaning liquid via the brush.

4.7 “ADJUSTABLE STAND”

To achieve optimal cleaning results it is important, that your record cleaner stands straight so that the cleaning liquid is distributed evenly. Unevenness can be corrected by readjusting the stand. Screw out the stand feet until a secure footing is achieved. On delivery the stand feet are turned entirely inwards.



5. TOP VIEW, incl. BRUSHES



5.1 "SUCTION ARM"

Upon completion of the wash sway the suction arm on the record. Then switch the "PROGRAMME SELECTION SWITCH" to position „VACUUM“. Please make sure that the clamp on the outlet hose is closed properly. The knurled screw on the back side of the suction arm conduces to secure the suction arm. That way the suction arm stays screwed in and cannot turn away during the suction procedure.

5.2 "BRUSH ARM"

For the normal wash sway the suction arm and also the round brush off the record and connect the hose that exit the device with the "BRUSH ARM"(via the brush arm the cleaning liquid is applied). Once the brush arm is situated adequately on the record, you can fix the round brush with the rear, on the round brush situated knurled screw. It is recommended to wash the brush arm under flowing water and wipe off any moisture with the supplied microfiber cloth after the cleaning procedure.



5.3 „ROUND BRUSH“:

The round brush may only be mounted on its particularly designed connecting piece and not be replaced by the normal brush arm. The round brush such as the double brush arm should be also used individually and never at the same time

5.4 „TANK“:

To fill the tank you must remove the plug.

We recommend you to fill our X2000 into the tank. With this cleaning liquid and the double brush arm you can wash all lightly soiled records.

Our Vi3C cleaning liquid has been specifically developed for the operation with the round brush; it only contains a small amount of wetting agents to avoid strong foaming. Fill this agent into the supplied squeeze bottle and wet the record manually directly in front of the rotating brush roller while using the round brush.

5.5 „PUC/WEIGHT“:

The weight, aligned to the center of the device, serves to ensure that your record remains fixed and cannot stop. The device has a ventilation hole located on the edge of the device. This is to avoid vacuum and to ensure that you can remove the weight easily.

5.6. „TURNTABLE“:

The record lies on the coated turntable with a removable rubber underlay, which you can wash under running water once it is dirty.



Mera ELB Eco 24V DC New Model

Information for the new features:

The Hannl Mera ELB Eco 24V DC as upgrade from a Limited Autom. 24V DC or from a rebuilding of a Mera ELB Eco 24V DC have a new controlling which makes it possible to have more control for the customer about the machine.

The usual optics and the easy handling is still present.

The new version you can recognise on the silver power button (old: black powerbutton).

New functions:

- **Put cleaning fluid on your record in the program „LEFT“ and „RIGHT“:**
Now it is possible to apply cleaning fluid directly from the program „LEFT“ and „RIGHT“ with the „SPEED BUTTON“. Until now in the old version you only have only the possibility to choose the direction of the turntable and then go into the program „LIQUID“ to drop cleaning fluid.
- **Set the output of the pump:**
With the actual version you can set globally the output of the pump. For this choose the program „LIQUID“ and turn the „SPEED BUTTON“. To set the output higher turn the „SPEED BUTTON“ to the right in the clockwise rotation. To set the output lower turn the „SPEED BUTTON“ to the left in the clockwise rotation. This gives every customer the chance to set the machine individually.
After you have set the output test it with the brusharm. If it is correct you are finished, otherwise you must set it again until you have found the wished output.

- **Set the speed of the Turntable in Vacuum mode:**

In the program „VACUUM“ you can now set the speed of the turntable in the program „VACUUM“. Until now it was only possible to set the speed of the turntable in the program „LEFT“ „RIGHT“ „AUTOR.“. Choose the program „VACUUM“ the turbine is running. Press the „SPEED BUTTON“ and hold it for 3 seconds. The LED is blinking. Now you can turn the „SPEED BUTTON“ to adjust the speed of the turntable for the program „VACUUM“. If you turn the „SPEED BUTTON“ into right the turntable runs faster, into left to slow down the turntable. Now press and hold the „SPEED BUTTON“ for 3 seconds and the settings are saved. Now you are able to set the speed of the turbine.

- **Reset the machine to default settings on the Mera ELB Eco 24V DC new version:**

If you don't find your favorite settings or have a wrong setting and don't know how to set it back you can make a factory reset. To do this step you need to turn off the machine into standby (push 1x „POWER BUTTON“). Push the „SPEED BUTTON“ and hold it. During holding the „SPEED BUTTON“ press 1x short the „POWER BUTTON“. The turntable is twitching 1 time very short and the LED is blinking. Now release the „SPEED BUTTON“, push it again and hold it another time for 3 seconds. The turntable twitch another time and the machine goes into the standby mode.

Your machine is now on the default settings and you can use it how usual.

Bei Fragen und Problemen helfen wir ihnen gerne weiter, wenden Sie sich dazu an info@vinylcare.de oder rufen Sie uns unter 02191 / 84 29 76 an.



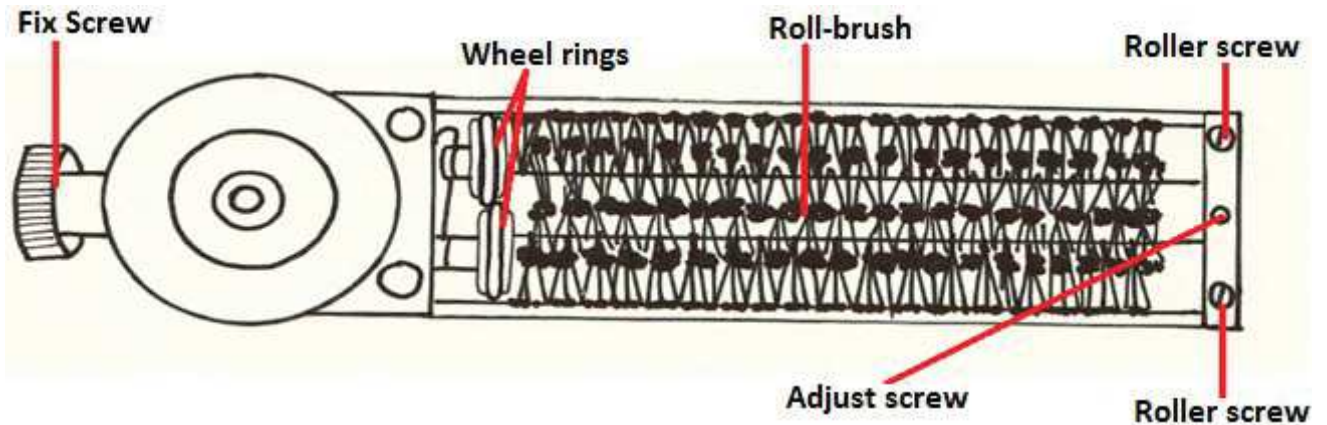
6 Draining waste from the tank

- 1 Take the tube from underneath the record cleaner.
- 2 Put the tube inside a glass and let the used cleaning solution rinse into the glass by opening the outlet.
- 3 Make sure to close the outlet after the waste tank is void.
- 4 Put the tube back under the machine where it was before.

Dispose the waste and never reuse it. Also make sure not to incorporate this liquid.



7. Roundbrush



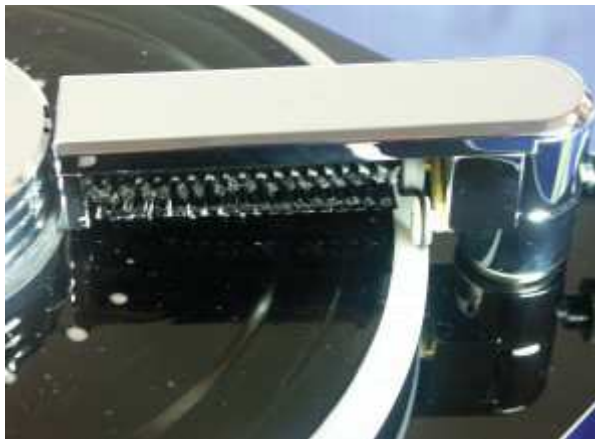
Locate the rotary brush over the brush socket and push the brush down until the brush sits between one and two millimetres above the disc.. Fix in place with the rear thumb screw. Optional mounting socket (rotary brush extension set) Already assembled with the ELB and B devices.



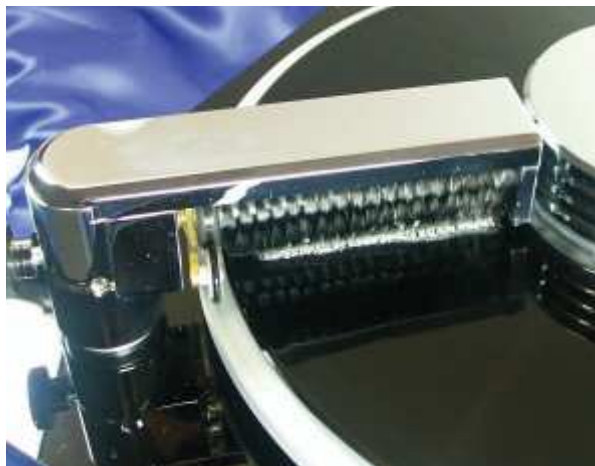
Do not replace the normal brush with the rotary brush. The rotary brush is not required for cleaning all discs.



Select the lowest speed to start the Mera, Micro and Aragon EL models. With the ELB models use the "Brush" button. Loosen the thumbscrew and push the brush down only so far that it makes light contact with the disc surface. Relock the arm with the thumb screw. The arm is now in the correct position. If the brush bristles bend and spray cleaning fluid then you have set the brush too close to the disc..



Wet the disc by hand using the squeeze bottle supplied with the ELB and B models. A small wave will form in front of the brush when you have applied sufficient cleaning agent.



To achieve optimal cleaning results change the direction in which the disc is rotated from time to time.

The time required for the operation depends on how dirty the disc is.



After using the rotary brush we recommend a thorough rinsing with warm running water , after which the brush should be wiped dry with the supplied microfibre cloth These simple steps will ensure trouble free usage of the rotary brush.

Should you experience problems eith with the installation or use of the rotary brush please contact us on the following phone number during office hours (+) 49 2191 842976. Outside office hour dial 0172 2038018 (Mobile Phone).

We recommend using the rotary brush inconjunction with our specially developed non foaming cleaning fluid : VI3C You may also use our X 2000 dilutedone-to-one.Cleaning performance will not be impaired and foam is not generated.



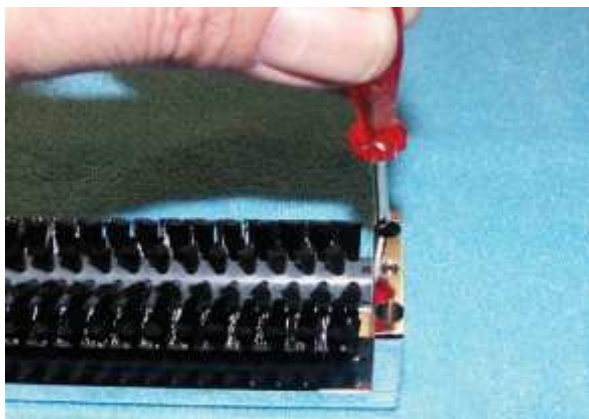
7.1 Adjusting the rotary brush



The package contains an Allen key to set up the rotary brush and a screwdriver to reposition or replace the rotary brush.



The adjustment screw allows you to set the rotary brush parallel to the disc surface by means of the enclosed Allen key



Should you need to remove the rotary brush, release the two screws (as illustrated). You can then remove the brush. Please note there is a spring inside the cover.

The mounting socket which allows the rotary brush to be fitted as a third arm is slotted to permit the brush to be aligned correctly. There is a rubber cover inside the socket which can be removed to access the Philips screw which holds the socket in place.



8. Important information about cleaning fluids when used with Hannl Vinyl Care record cleaning machines

Cleaning fluids we recommend for use with Hannl record cleaning machines are: X2000 or Vi3C. Both liquids are developed specifically to prevent foaming, coagulating and fungi formation. Using our products prevents damage otherwise possible with fluids containing non-approved chemicals.

If cleaning fluids of other manufactures are used e.g. L'Art du Son, please note the following to ensuring long machine-life and continued fun with your hobby:

Cleaning fluids like L'Art du Son create large amounts of foam during use and a squirt of de-foaming agent needs to be added inside the waste water container (available with Hannl Vinyl care). Remove the suction arm to access the down pipe leading to the waste water reservoir and add a squirt of defoaming agent. Repeat this procedure after each waste water drainage to ensure that no foam can form in the container.

We urgently recommend not to leave any waste liquids of other manufacture in the waste container. This is due to the possible formation of fungi, blocking the drainage bore and pipe. After drainage, also rinse the container well to ensure no liquid remains containing residues.

We furthermore recommend not to fill such liquids in the cleaning liquid reservoir. They tend to coagulate over time, blocking the fine bores of the application arm. Apply these liquids manually with a separate application bottle, directly to the record surface.

Possible repairs caused by damage due to the use of unsuitable cleaning liquids will have to be charged separately. It will not be covered by our normal warranty. We do count on your understanding.

We will gladly answer our inquiries about cleaning liquids, their contents, and application by email vinylcare@t-online.de



EC Declaration of Conformity

according to the requirements of the applicable EC Machinery Directive 98/37/EC, Annex II A

We,

Hans Günter Hannl
VinylCare
Beyenburger Strasse 21
42899 Remscheid
Germany

certify and declare under our responsibility that the following machine based on its design and construction complies with the relevant basic safety and health requirements of the EC Directives.

In case of unauthorized changes, this declaration will lose its validity.

Machine description:	vinyl record cleaning machine
Ident. no.:	_____
Relevant EG Directives:	EC Machinery Directive 98/37/EC Low Voltage Directive 73/23/EEC EMV Directive 89/363/EEC
Applied harmonised standards:	EN ISO 12100-1/2 EN 60204 EN 1050 EN 294 EN 349
Place, Date	_____
manufacturer	_____
	management