

QUESTION: <WHEN TO REDUCE THE 5 MINUTE CYCLE with surfactant brushed onto a record to 2 MINUTE CYCLES.>

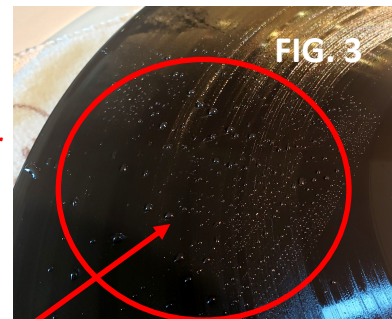
ANSWER: Change the cycle time *DOWNWARDS* if records were known to be cleaned by “L’ART DU SON”, “PURE VINYL” OR HAVE SEEN “LAST” PRESERVATIVE, “WD-40”, “LIGHTER FLUID” APPLIED ON RECORDS, **OR ARE NEW PRESSINGS**; OR WHEN ONE NOTICES THE PRESENCE OF A COATING ON THE RECORD AS INDICATED BY SHEETS OF WATER OR HUNDREDS OF BEADS OF WATER ON THE RECORD AS THE RECORD COMES OUT OF THE MACHINE AFTER THE FIRST 5 MINUTE CYCLE WITH IONIZING SURFACTANT APPLIED.

ABSTRACT: In our manual and videos we describe using repetitive 5 minute cycles with the surfactant brushed into the record’s grooves using the specially designed goat hair brush which fits the grooves and by applying moderate pressure.

NORMAL INSTANCES: Brushing in the surfactant per the manual and per the videos available online sees the 5 minute process repeated until a “toothpaste like” material that is dislodged by the goat hair brush and that comes out of the grooves; first increases, then decreases as surfactant the surfactant is brushed in, or is greatly reduced and quickly evaporates therefore indicating the last 5 minute cycle in the machine before mechanical drying. **A TYPICAL RECORD SEES 3 to 4, FIVE MINUTE CYCLES.**

ISSUE DISCOVERED: As witnessed and reported by many of our Customers after the first 5 minute cycle with the ionizing surfactant applied all noticed where records came out of the KA-RC-1 machine with “sheets of water” (FIG 1), or “hundreds of water droplets” that appeared on the surface of the record (FIG 2, FIG 3.). This when the record was placed horizontally on the work area. ***This is an indication where our ionizing surfactant is being washed off prematurely and where there is a coating that is repelling our wetting agent.*** KEEPING THE RECORD IN THE MACHINE FOR A 5 MINUTE CYCLE THEREFORE WASTES TIME. THE AGENT IS WASHED OFF WITHIN 2 REVOLUTIONS. These coatings repel our water soluble surface ionizing surfactant spray.

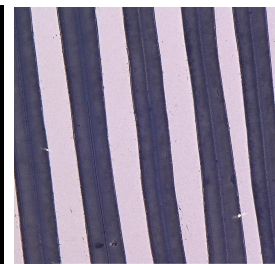
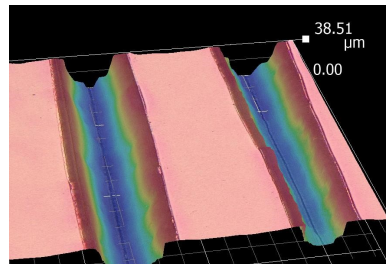
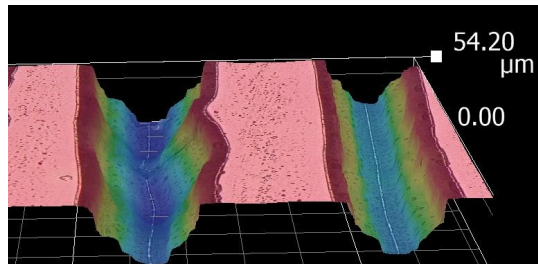
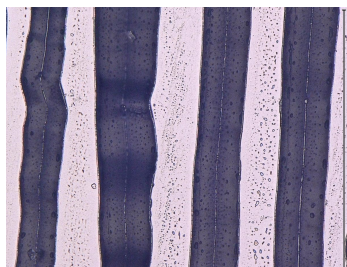
BY REDUCING THE INTERVAL TIME FROM 5 MINUTES TO NOW 2 MINUTE CYCLES, our applied surfactant stays on long enough to see our process break these coatings down. Fully ionizing and wetting the record we now see our process “DEEP CLEAN” and restore the record grooves, removing coatings, contaminants, trapped contaminants in the release agent, and the release agent itself, in that order.



LEFT AND ABOVE: (FIGS 2,3)
NOTICE THE BEADING OF WATER ON THE SURFACE OF A RECORD WHEN TAKEN OUT AFTER THE FIRST 5 MINUTE CYCLE WITH SURFACTANT APPLIED.

ABOVE: FIG. 1. Notice the “SHEET OF WATER” AS THE RECORD IS PLACED HORIZONTALLY ON THE WORKSTATION SPACE.

BELOW: PROOF OF A COATING ON RECORD, and its removal. (2D / 3D IMAGERY). (Keyscience Model VHX-7000 microscope)



SUMMARY AND PROCEDURE:

If after the first 5 minute cycle one sees sheeting or excessive beads of water on the record:

- 1) Use the rabbit cloth to remove the excess water. Apply surfactant spray at 12 o'clock, 4 o'clock, and 8 o'clock as before.
- 2) Do both sides of the record. Set timer for 2 minutes. Insert the record in the machine. This for a 2 minute cycle.
- 3) Take the record out, wipe off the excess water with the rabbit cloth. Re-apply the ionizing spray. Return for 2 minutes.
- 4) Take the record out, repeat steps using 2 minute cycles. Eventually the record will no longer have huge sheets of water and water droplets appear. The appearance of whitish materials being dug up from the grooves will start to appear as you brush in the surfactant as your progress. **THIS INDICATES TO YOU THAT THE COATING HAS BEEN STRIPPED OUT.** Continue with 2 minute cycles.
- 5) **WHEN THE AMOUNT OF WHITE PASTE-LIKE MATERIAL DECREASES OR THE SURFACTANT APPLIED EVAPORATES QUICKLY, THIS AS BEFORE, INDICATES TO YOU THAT IS THE LAST CYCLE IN THE MACHINE.** Usually now 6, two minute cycles total.

ABOVE: Record restored.