PROCESSING NOTES

Because of the extremely short development time required with Uniprint® chemistry, pouring chemicals into your paper processing drum requires great care so that no liquid touches the paper prior to the start of the development process. Before pouring, place your drum on the agitator motor or level table surface. Orient the drum lid so that when developer is poured into the drum, it flows into the V-trough *between* the paper edges. Start your timer when all developer is poured and you begin to rotate the drum.

Color shift in RA paper: If you experience random magenta/green color shifts in your finished print, most likely it can be corrected by allowing the exposed print to sit for one minute before processing in chemicals. This will allow the image to stabilize, correcting any shifting in the mid-tone densities, especially magenta/green.

SOLUTION STORAGE AND CAPACITIES

Concentrate and working solutions should be stored at normal room temperature. An airtight container is preferred for the working solutions. For longer shelf life you should squeeze the air from the concentrate bottles before capping. We recommend a one-shot chemical use for print consistency.

Note: Consult the instructions for minimum solution requirements for your drum. This will vary for each manufacturer.

NOTE: If the chemical concentrate appears to have floating crystal flakes or powder, heat the entire bottle of concentrated chemistry to at least 85°F and shake until all particles are dissolved.

SOLUTION STORAGE TIMES

Working Solutions (unused, used, or partly used	Working Solution In Processor - No Operation	Replenisher in Covered Tank with Floating Lid
Developer	1 week	6 weeks
Blix	2 weeks	8 weeks

SAFETY NOTES

WARNING: This kit contains chemicals that may be hazardous if misused. Always wear safety glasses, rubber gloves and protective clothing, such as a lab coat or plastic apron, when working with chemicals. While the hazard rating of this kit is low, caution should be exercised. Do not allow children to use this kit without adult supervision.

DEVELOPER PART A

Contains: Diethylhydroxylamine. May cause irritation. Avoid skin contact. In case of contact, flush with water. *DO NOT ALLOW EYE CONTACT.* In case of eye contact, flush with water for 15 minutes and contact a physician immediately! *DO NOT TAKE INTERNALLY.* If swallowed, *DO NOT INDUCE* VOMITING. Contact a physician immediately!

DEVELOPER PART B

Contains: 4-amino-N-ethyl-N-(ß-methane sulfanamido-ethyl)M-toluidine sesquisulfate. May cause irritation. Avoid skin contact. In case of contact, flush with water. *DO NOT ALLOW EYE CONTACT.* In case of eye contact, flush with water for 15 minutes and contact a physician immediately! *DO NOT TAKE INTERNALLY.* If swallowed, *INDUCE* VOMITING. Contact a physician immediately!

DEVELOPER PART C

Contains: Potassium Carbonate. May cause irritation. Avoid skin contact. In case of contact, flush with water. *DO NOT ALLOW EYE CONTACT.* In case of eye contact, flush with water for 15 minutes and contact a physician immediately! *DO NOT TAKE INTERNALLY.* If swallowed, *INDUCE* VOMITING. Contact a physician immediately!

BLIX PART A

Contains: Ammonium Thiosulfate, Sodium Metabisulfite. May cause irritation. Avoid skin contact. In case of contact, flush with water. *DO NOT ALLOW EYE CONTACT.* In case of eye contact, flush with water for 15 minutes and contact a physician immediately! *DO NOT TAKE INTERNALLY.* If swallowed, *INDUCE* VOMITING. Contact a physician immediately!

BLIX PART B

Contains: Ferric Ammonium Ethylenediamine Tetraacetic Acid (EDTA), Acetic Acid. May cause burns. Avoid skin contact. In case of contact, flush with water and wash with a non-alkaline soap. *DO NOT ALLOW EYE CONTACT.* In case of eye contact, flush with water for 15 minutes and contact a physician immediately! *DO NOT TAKE INTERNALLY.* If swallowed, *INDUCE* VOMITING. Contact a physician immediately!

MSDS (Material Safety Data Sheet(s) for this kit are available by written request.

ARISTA RA

RAPID ACCESS COLOR PRINT CHEMISTRY

PROCESS RA-4 COMPATIBLE

Catalog #

PROCESSING INSTRUCTIONS FOR 2 AND 4 LITER KITS

You may use this kit to process any Unicolor RA or Kodak RA compatible papers.

Equipment Not Included In Your Kit

- An enlarger
- A stop watch or a darkroom timer
- A rotary-tube type processor
- Two empty chemical containers
- A graduate
- An accurate thermometer
- A print squeegee
- Temperature control equipment

WARNING

This kit contains chemicals that may be harmful if misused. Do not allow children to use this kit without adult supervision. Read all safety notes before proceeding.

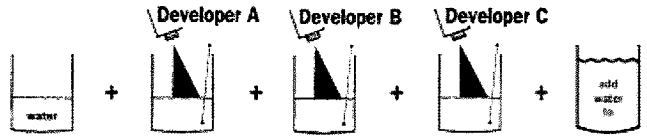
7190 Huron River Drive
Dexter, MI 48130-1099

Rev 5/25
FORM 090 2205

MIXING CHEMICALS

DEVELOPER (working and replenishment solutions)*

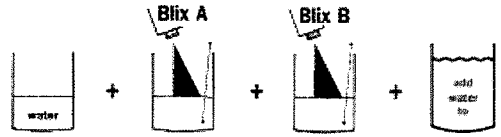
Place the recommended amount of water into a clean glass or plastic container. While stirring, add the contents of the bottle marked **Developer Part A.** Stir well. While stirring, add the contents of the bottle marked **Developer Part B.** Stir well. While stirring, add the contents of the bottle marked **Developer Part C.** The final volume may vary slightly with no adverse effects in processing.



To make:					
2 liters	1400 ml	100 ml	66 ml	100 ml	2 Liters
4 liters	2800 ml	200 ml	132 ml	200 ml	4 Liters

BLIX (working and replenishment solutions)*

Place the recommended amount of water into a clean glass or plastic container. While stirring, add the contents of the bottle marked **Blix Part A.** Stir well. While stirring, add the contents of the bottle marked **Blix Part B.** Stir well. The final volume may vary slightly with no adverse effects in processing.



To make:				
2 liters	1 liter	284 ml	400 ml	2 Liters
4 liters	2 liters	568 ml	800 ml	4 Liters

*Arista RA requires no starter solution. Only one mix is required for both working and replenishment solutions.

MIXING NOTES

- Smaller amounts of the final working chemical solutions can be mixed, but careful attention must be paid to the mixing ratios
- Use water at the temperature you want to use to develop your film. This allows for shorter warm-up time.
- Stir continuously while mixing.
- Keep everything very clean. A few drops of Blix, soap or other contaminate *will* destroy the developers.
- Mark your containers clearly. This will prevent confusion and processing out of order.
- Use safety glasses and rubber gloves while working with chemicals. Also wear a lab coat or other protective clothing. Do not allow children to use this kit without adult supervision.

NOTE: If the chemical concentrate appears to have floating crystal flakes or powder, heat the entire bottle of concentrated chemistry to at least 85°F and shake until all particles are dissolved.

VOLUME REQUIREMENTS

1. When processing one print at a time, use the volume of chemistry recommended for that size and brand of rotary drum.
2. When processing multiple prints in a rotary drum, double the minimum volume and reuse the chemistry once again to get the maximum print coverage and chemical capacity.
3. Whatever the solution volume, if the rotary drum is not level, the chemistry cannot flow evenly over the print for the full development.

UNIDRUM AND ROTARY DRUM PROCESS

(*Important* - Read PROCESSING NOTES on back page before beginning)

PROCESS AT:	75°F (24°C)	80°F (26.5°C)	85°F (29°C)	90°F (32°C)	105°F (40.5°C)
Developer*	3 min. 20 sec.	2 min. 25 sec.	1 min. 40 sec.	1 min. 10 sec.	50 sec.
Blix	1 min. 30 sec.	1 min. 30 sec.	60 sec.	60 sec.	50 sec.
Wash	1.5 - 2.5 minutes at 75°F - 110°F (24°C - 43°C)				

* Include time it takes to drain the drum in total process time. See "NOTE" on back page.

VOLUME REQUIREMENTS

ROTARY DRUM SIZE	CHEMISTRY SINGLE PRINT	CHEMISTRY MULTIPLE PRINTS
8 X 10	60 ml (2 oz.)	120 ml (4 oz.)
11 X 14	120 ml (4 oz.)	240 ml (8 oz.)
16 X 20	240 ml (8 oz.)	480 ml (16 oz.)

MACHINE PROCESSING

PROCESSING STEP	TEMPERATURE	TIME
Developer	35°C ± 0.3° / 95°F ± 0.5°	45 sec.
Blix	30 - 36°C / 86 - 96°F	45 sec.
Wash	30 - 40°C / 86 - 104°F	1.5 min.

REPLENISHMENT RATES*

	1 sq. ft.	8 x 10	5 x 7
Developer	15 ml	8.3 ml	3.6 ml
Blix	20 ml	11.1 ml	4.9 ml

* Replenishment rates are only recommendations. Precise rates will vary depending on evaporation rate, oxidation, type of equipment and print material.