



Colenta® Photo processing Equipment for RA4, BW-RC & Display Media

Colenta have remained the leader in processor technology for over 40 years, designing and producing developing systems for the many types of film and paper in use and in a range of sizes and speeds to meet industry requirements.



Having seen a decline in the use of photographic media we are now seeing a revival in their use and with this comes a demand for new developing systems from photographers and studios who need automation and reliable developing systems to cover the increase in their business.

The Colenta range of paper processor is defined as follows:

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Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

Colenta[®] ECO Line RA4 56 & 80 4Tank

The Colenta RA4 ECO line was introduced to provide Studios, artists and photographers a processor to make their own colour prints. The ECO line supports all features and design elements that a paper processor needs to have to produce prints reliable on a daily bases.



- # available in 56 and 80 cm processing width
- # capacity 50cm/min @ 45 sec developer time
- # in 4 Tank Wash format (Dev / BF / Wash1 / Wash2 and warm air dryer)
- # loading table for RA4 paper in sheet format

Compact and robust design, ease of use and cost effective – since introduced in 2019 many new customers appreciate the ownership of an ECO RA4 unit!

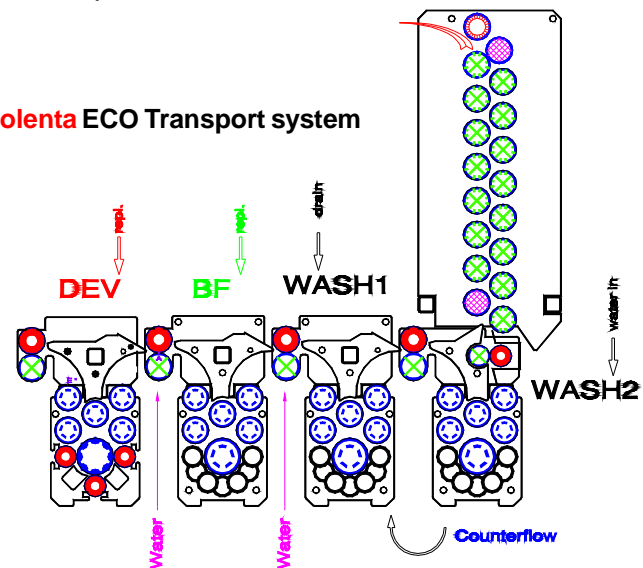


microprocessor
controlled Display

“through the wall install”



Colenta ECO Transport system



install “free standing in darkroom”





Colenta® Photo processing Equipment for RA4, BW-RC & Display Media

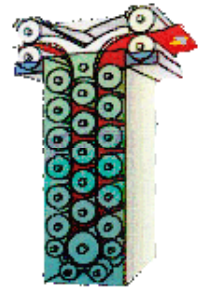
Colenta® StudioLine RA4 56,66 & 80 4Tank / 5Tank

Our **Studioline** range of RA4 Processors are fully automatic “dry to dry” low maintenance processing systems produced in 4 and 5 Tank Option for use with Wash Water, the 5 Tank option is also available for use with stabilizer (RA4 wash less) if required.

“through the wall install”



80RA4 StudioLine through the wall installed, supporting a Durst Epsilon.



available in 56, 66 and 80 cm processing width

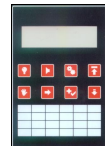
capacity 50cm/min @ 45 sec developer time

available in :

- 4 tank WASH (Dev / BF / Wash1 / Wash2 - warm air dryer)
- 5 tank WASH (Dev / BF / Wash1 / Wash2 / Wash3 - warm air dryer)
- 5 tank STABILIZER (Dev / BF / SST1 / SST2 / SST3 - warm air dryer)

day light loading box for sheet & roll format processing of RA4 and Display Media

microprocessor
controlled Display



install “free standing in darkroom”



install “free standing in darkroom”





Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

Colenta[®] StudioLine BW-RC 56,66 & 80

A similar design to the standard RA4 StudioLine range of processor, we also offer, supporting a slightly different rack design, the StudioLine range for BW-RC paper processing.

available in 56, 66 and 80 cm processing width

capacity 50cm/min @ 45 sec developer time

available in :

- 4 tank WASH (Dev / FIX / Wash1 / Wash2 - warm air dryer)

- 5 tank WASH (Dev / FIX / Wash1 / Wash2 / Wash3 - warm air dryer)

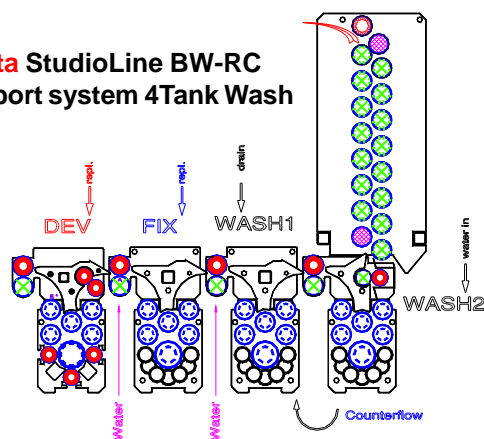
day light loading box for sheet & roll format processing of BW-RC paper.

This range of processor models is specifically designed for handling BW-RC in cut sheet and roll format incorporating some extra design features as well as different processing chemicals and parameters for producing BW prints!

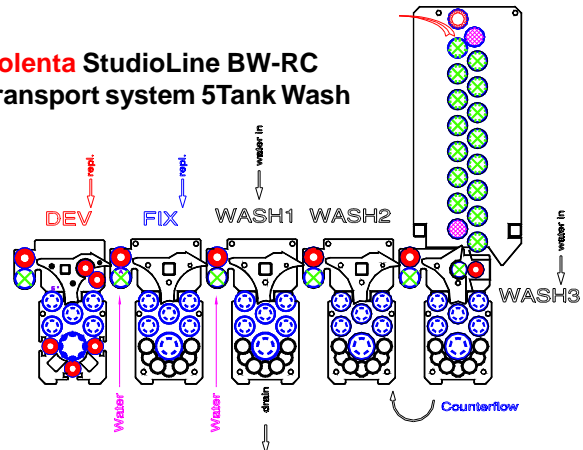


microprocessor
controlled Display

Colenta StudioLine BW-RC
Transport system 4Tank Wash



Colenta StudioLine BW-RC
Transport system 5Tank Wash





Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

Colenta[®] PrintLine 56,66 & 80 - 5Tank

The Colenta **RA4 PRINTLINE** range of processors are a 5 Tank **UNIVERSAL** design configured for RA4 Wash or Washless operation as required and is a faster processing system for RA4 paper and especially for Display Media (110sec DevTime / Duratrans) for cut sheet or roll format.



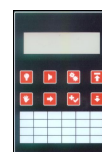
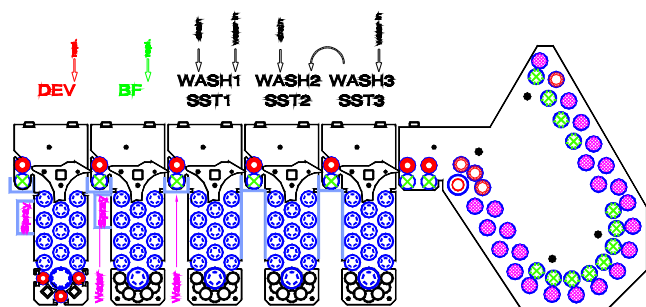
available in 56, 66 and 80 cm processing width
 capacity 70cm/min @ 45 sec developer time
 capacity 95cm/min @ 45 sec developer time
 capacity 120cm/min @ 45 sec developer time

available in :

- 5 Tank WASH (Dev / BF / Wash1 / Wash2 / Wash3 - warm air dryer)
- 5 tank STABILIZER (Dev / BF / SST1 / SST2 / SST3 - warm air dryer)

day light loading box for sheet & roll format processing of RA4 and Display Media

“through the wall install”



microprocessor
controlled Display



Colenta® Photo processing Equipment for RA4, BW-RC & Display Media

Colenta® WideTrack 140 RA4 ECO - 4Tank / 5Tank

WIDETRACK RA4 Color Print Processor for RA4 Paper and Display Media

The Colenta **RA4 140 ECO** Line WideTrack paper processor range can be considered as the “little sister” of the our standard NG RA4 WideTrack processor options – primarily the purpose of this processor range is to support customers doing analogue exposers via enlargers to make bigger size prints.

available in 140 cm processing width

capacity 80cm/min @ 45 sec developer time

available in :

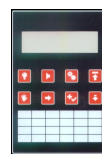
- **4 Tank WASH** (Dev / BF / Wash1 / Wash2 - warm air dryer)
- **5 Tank WASH** (Dev / BF / Wash1 / Wash2 / Wash3 - warm air dryer)
- **5 Tank STABILIZER** (Dev / BF / SST1 / SST2 / SST3 - warm air dryer)

day light loading box for and sheet and roll format processing



The design features of the ECO models ensure stable, consistent and repeatable processing results. All processing parameters are constantly monitored and checked by a on board micro processor controller.

“through the wall install”



microprocessor
controlled Display




Colenta® Photo processing Equipment for RA4, BW-RC & Display Media

Colenta® WideTrack 140 RA4 NG - 4Tank / 5Tank

WIDETRACK RA4 Color Print Processor for RA4 Paper and Display Media

The COLENTA 140cm (55in) RA4 models are produced in 4 and 5 Tank options configured for use with Wash Water or Washless with Stabiliser (5 Tank) and in a range of production speeds.

The COLENTA RA4 140's are the ideal choice to support Digital Printer such as the Durst Lambda, ZBE Chromira and OCE LightJet's!

- | | | |
|--------------------------|---|---|
| # max processing width : | 140 cm / 55inch | microprocessor
controlled Display
 |
| # capacity | 95cm/min @ 45 sec developer time | |
| # capacity | 125cm/min @ 45 sec developer time | |
| # capacity | 180cm/min @ 45 sec developer time | |
| # available in : | | |
| - 4 Tank WASH | (Dev / BF / Wash1 / Wash2 - warm air dryer) | |
| - 5 Tank WASH | (Dev / BF / Wash1 / Wash2 / Wash3 - warm air dryer) | |
| - 5 Tank STABILIZER | (Dev / BF / SST1 / SST2 / SST3 - warm air dryer) | |



The transport modules are produced so as to lift in and out from a processor tank – manually or with a suitable lifting hoist. In the case of the 125 and the 180 cm speed models, the “wet” racks are in 2 sections that interlock together once in the tanks but allow each section be to lifted separately.

140 NG 5Tank Wash



2 x 140's NG 5Tank 180 “side by side”





Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

Colenta[®] WideTrack 200 RA4 NG - 4Tank / 5Tank

WIDETRACK RA4 Color Print Processor for RA4 Paper and Display Media

The COLENTA 200cm(80in) RA4 models are produced in 4 and 5 Tank configuration for use with Wash Water or Washless with Stabiliser (5 Tank) and in 2 production speeds.

The COLENTA 200's are the ideal choice to the support the OCE Light Jet 500XL!

max processing width : 200 cm / 80inch

capacity 80cm/min @ 45 sec developer time

capacity 125cm/min @ 45 sec developer time

available in :

- **4 Tank WASH**

(Dev / BF / Wash1 / Wash2 - warm air dryer)

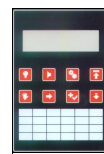
- **5 Tank WASH**

(Dev / BF / Wash1 / Wash2 / Wash3 - warm air dryer)

- **5 Tank STABILIZER**

(Dev / BF / SST1 / SST2 / SST3 - warm air dryer)

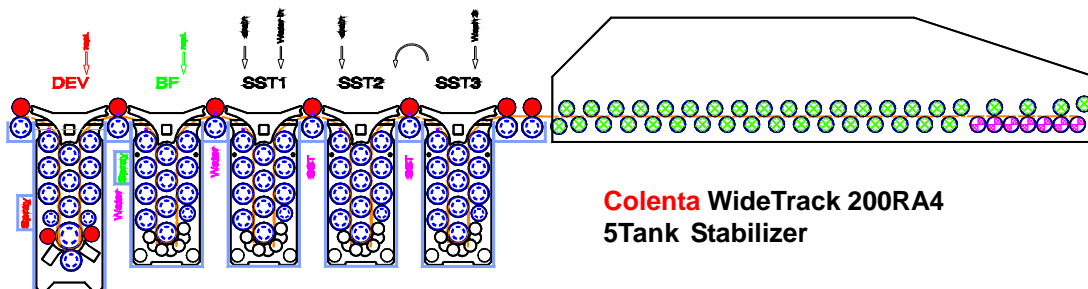
day light loading box for sheet and roll format processing



microprocessor
controlled Display



The Colenta Widetrack RA4 models are equipped, as standard, with a high power crossflow and spray-bar agitation systems in the Developer and Bleach fix with inline flow heaters that allow the heating elements to be installed/replaced without the need to drain any chemistry from the tank.



Colenta WideTrack 200RA4
5Tank Stabilizer



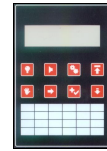


Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

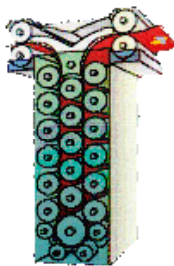
Colenta[®] Design features:

All Colenta Paper Processor models are micro processor controlled and provide a fully automatic “Dry to Dry” service for both cut sheet and long roll through a well proven “minimum contact” transport system.

Dual programme facilities provide a fast change between Print and Display Media production modes and allow complete flexibility for programming parameters to meet precise requirements.



microprocessor
controlled Display



Transport modules are fully submersed under liquid level, this feature eliminates potential problems relating to crystallisation and chemical oxidation.

The Colenta roller transport system has been designed and manufactured to very high standards, using only materials selected for chemical resistance and long life.

Located at the entrance prior the first wet rack, every Colenta processor supports a pulsed scanner bar. This so called sensorbar, measures without contact via opto sensors the incoming media - both in width and length! This information is then transferred to the main processor CPU to calculate the correct amount of fresh replenishment to be delivered into the processor chemical tanks via on board replenisher pumps!



All Colenta paper processors support a maintenance free and reliable chain drive system as the main drive element to drive the transport racks and dryer modules. No worm gears are in use!





Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

Colenta[®] Design features:

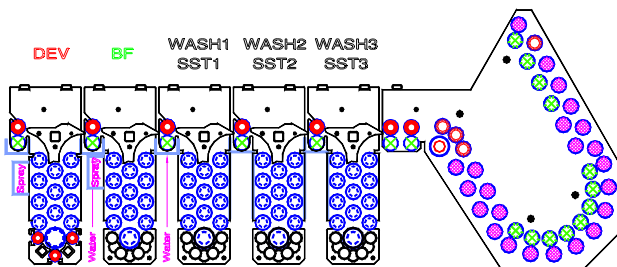
Special care had been taken to the main processor electronics in order to keep them apart from any chemicals, water and chemical fumes. For service and maintenance they are freely accessible and well positioned in their layout and design.



As a key design feature, all Colenta paper processor support water rinsed crossovers. These water rinses crossovers are in place between the chemical tanks and reduce chemical carry over between the individual stages of processing and are providing a safe transfer between tanks to ensure consistent high quality and clean production.



water rinsed cross overs



water rinsed cross overs



Transport rack assemblies can be manually handled into and out from the chemical wash tanks, a rack carrier/drip tray is provided to transfer each rack from the processor to the washing area safely & clean!





Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

Colenta[®] Design features:

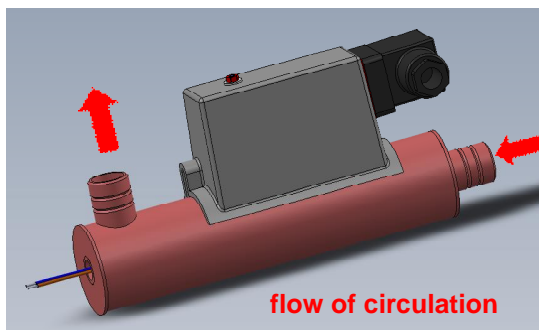
Circulation on a processor is of great importance! To ensure stable temperatures in all processing tanks as well to ensure evenly mixed processing chemicals - this is one of the basic rules to guarantee stable processing results! Based on the model and application, Colenta is using different type of circulations sometimes gentle and in some case more turbulent. Again subject to the model, extra cross agitation pumps are in use, as well as line filters.



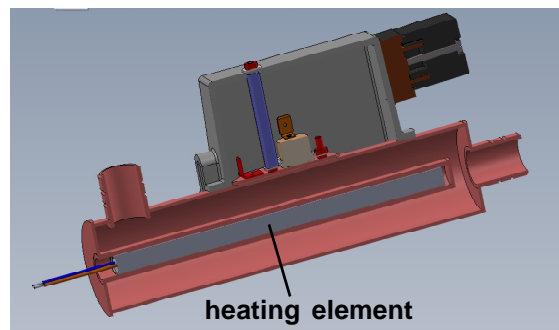
inline filters

flow heater

To ensure homogenous distributed and evenly tempered processing chemicals, Colenta is using on all processors flow heating systems. The processing chemicals are constantly flowing through these flow heaters / heat exchangers. Energy is activated when needed by the main processor CPU. A gentle and safe way, as the heating element within the heat exchanger is positioned within a tube and as such has **NO** direct contact with any processing chemicals!



flow of circulation



heating element

All Colenta Paper processor are subjected to detailed quality control procedures and wet tested for a minimum of 72 hours on continuous operation before leaving the factory!

Colenta[®]



Colenta[®] Photo processing Equipment for RA4, BW-RC & Display Media

Colenta[®] optional accessories:



Colenta[®]
Water Supply Panel assy
(see extra documentation)

Colenta[®]
2x40L / 2x80L Mixing Concole
(see extra documentation)



Other optional accessories specific to the models and applications, such roll feed and motorized take up units, chiller, etc are available on request!

NOTES :
