

Colenta[®] Photo Processor range 08/2021



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

Unlike many others, we continued to produce photo products despite the decline in the use of photographic media and now we are experiencing a revival in the use of conventional photo products and a demand for new developing systems from photographers and studios who now need automation and reliable production systems to cover the increase in their business.



Colenta have the processor style and size to meet the wide and varied production needs within the industry. All are fully automatic "dry to dry" developing systems designed for ease of operation and maintenance and produced in compliance to the highest levels of health and safety standards.

Colenta® Photo Processor range 08/2021



1) Colenta® D&D RoboLine 9Tank Universal




As a result of the increased use of analogue cameras and film, by both amateur and professional photographers and the resulting increase in the amount of film being required to process daily, Colenta saw the opportunity to design a new film processing system using our robotic technology that allows it to be used to develop **C41**, **B/W** and even **E6** film - providing a flexible, compact and cost effective universal film processor

Colenta® D&D RoboLine 9Tank Universal.



The concept of the **D&D RoboLine 9T Universal** Film processor system is to allow a customer to freely organise his film processing demands for **C41**, **B/W** and **E6**.

The unit supports a 9 Tank design - 7 chemical tanks & 2 Wash tanks.

-  in operation mode 1A the 6 Tanks are used to process **C41**
 -  in operation mode 1B the 4 Tanks are used to process **B/W**
 -  in operation mode 2 the 9 Tanks are used to process **E6**
- (C41 - B/W chemicals are to be removed and replaced by E6)

All the required different processing parameters for **C41**, **B/W** and **E6** are factory pre-set and of course programmable from the operator via a 24" monitor subject to the chemicals and film in use.

for each individual tank, the software allows to programme:

- a specific temperature
- a specific timing
- a specific replenishment rate

A totally open and flexible architecture - providing Photo Lab's with total flexibility to cover their film processing demands

- all in one unit - „3 in 1“

Colenta®

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2) Colenta® STUDIOLINE RA4 Colour Print Processors

Our Studioline Table Top range of **RA4 / BW** Processors are fully automatic “dry to dry” low maintenance processing systems produced in 3, 4 and 5 Tank Options for use with Wash Water, the 5 Tank option is also available for use with stabiliser (RA4 wash less) if required. All models are designed for cut sheet and roll production and are available in maximum process widths of : 56cm(22in), 66cm(26in) and 80cm(31in).

All have variable and programmable speed to meet the required development time – typically for RA4 operating at **50 cm per minute at a 45 second development time**. Development time, processing temperatures (Developer, Bleach Fix and Dryer) and Replenishment rates are fully programmable and all are monitored and maintained automatically, a cold water cooling system ensures the chemical temperatures remain within tolerance at all times to ensure stable processing conditions and consistent production quality.



A remote visual and audible controller keeps the operator fully informed on the processor status at all times. The transport system is a non opposed hard roller design, fully sub-mersed in solution and with water rinse crossovers between each stage of processing to minimise carryover and to safely transfer the exposed sheet or roll through each stage of processing and drying to a delivery point on the top cover.

3) Colenta® PRINTLINE RA4 Colour Print and Display Film Processors



The **Colenta 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 RC paper and Display film / Duratrans in sheet or roll formats. All are deeper tank, floor standing models available in maximum process widths of 56cm(22in), 66cm(26in) and 80cm(31in) and in a choice of production speeds at 70cm(27in), 95cm(37in) and 120cm(47in) per minute at a **45 second development time**. A 4 Tank option is also available of request and supplied in standard RA4 Wash Water configuration.



As with all Colenta models, development time, processing temperatures (Developer, Bleach Fix and Dryer) and Replenishment rates are fully programmable and all are monitored and maintained automatically, a cold water cooling system ensures the chemical temperatures remain within tolerance at all times to ensure stable processing conditions and consistent production quality.

A visual and audible controller located on the side of the processor keeps the operator fully informed on the processor status at all times.

As with the Studioline models, the transport system is a non opposed hard roller design, submersed in solution and with the delivery point after drying onto the top cover of the processor. Energy saving and chemical management features are inbuilt as standard to minimise operating costs and maintain the activity of the chemistry to the optimum level in times of low usage. The PRINTLINE models are supplied with replenishment and waste collection tanks as standard, all are fitted with level control monitoring.



Colenta® Photo Processor range 08/2021



4) Colenta® WIDETRACK RA4 RC Print and Display Film Processors

The **COLENTA 140cm(55in)** and **200cm(78in)** RA4 / BW 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 of : 80cm(31in), 95cm(37in), 125cm(49in) and 180cm(70in) per minute when operating at a **45 second development time**.



The Widetrack RA4 models are equipped, as standard, with high power cross-flow 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.

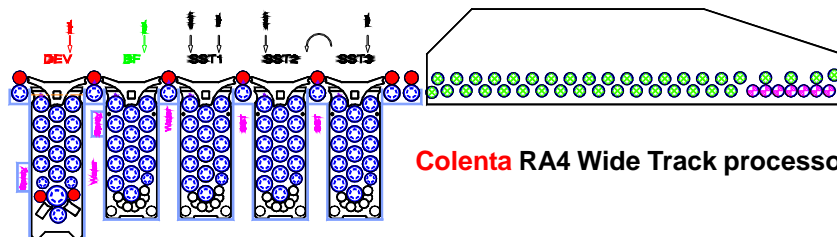


The transport modules are produced so as to lift in and out from a processor tank – manually or with a suitable lifting hoist. In the case of the 125 and the 180 cm speed models, the “wet” racks are in 2 sections that interlock together once in the tanks but allow each section be to lifted separately.



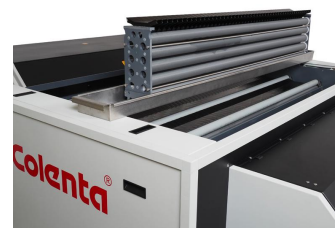
As with all Colenta processors, all models are microprocessor controlled with all processing parameters freely programmable to the exact requirements of the customer for the chemistry and photo media in use – these programmes are then selected and used as required for RC paper or Display film/Duratrans – the programmed development times, chemical temperatures, replenishment rates and replenishment cycles are continuously monitored and controlled to ensure a consistent high quality of processing.

The 140 and 200 RA models each have flat path warm air dryers that force heated air through a series of air knives and onto the emulsion surface of the Paper/Film as it passes through the dryer, squeegee rollers and small fans remove any excess water from the base side. Water rinse crossovers are in place between each stage of processing to minimise carryover and to safely transfer the exposed sheet or roll through each stage of processing and drying.



Colenta RA4 Wide Track processor

The electronics provide a **sleep mode** and auto start feature that, at the end of the working day, will allow the operator to place the processor into a “sleep” condition and for the processor to auto start as programmed on the next working day – the system used also allows the processor to self ventilate overnight and eliminate condensation.



Colenta[®] Photo Processor range 08/2021



5) Colenta[®] FILM PROCESSORS – C41, C41 RA, E6 and B&W

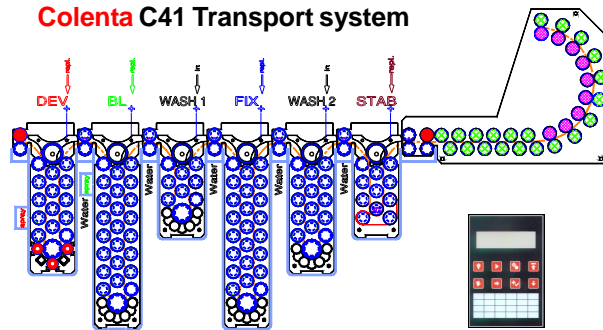
Colenta produce a range of **C41**, **E6** and **B&W** Film Developing systems in **20cm(8in)** and **30cm(12in)** widths for 3 and 4 track loading of 35/120 camera film, long roll developing and sheet film up to the maximum feed width. The processor can be installed for darkroom or daylight loading.



35/120 Camera and long roll films are simply attached to a film leader and placed onto the multi track loading guide supplied with the processor and inserted, to load sheet film the loading guide is lifted and removed and the sheet placed directly onto the feed table and inserted into the infeed rollers.

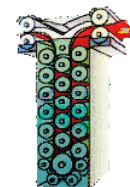
All models of Colenta film processor are roller transport systems using a well proven non opposed hard roller system with intermediate water rinse crossovers that transfer film through each stage of development and drying to a delivery point on the top side of the processor.

Colenta C41 Transport system



All processing parameters (Development Time, Temperatures and Replenishment rates) are programmed as required and maintained automatically, a display controller keeps the operator fully informed on the processor status at all times. Easy cleaning procedures, good filtration and algae control will ensure that the film quality is both clean and to the high standard of processing quality.

Energy saving and chemical management features are inbuilt as standard to minimise operating costs and maintain the activity of the chemistry to the optimum level in times of low usage.



6) Colenta[®] FILM PROCESSORS – C41 and B&W for Aerial Film applications.

In addition to the processor range that Colenta produce for conventional camera film, we also provide models of Film Processor specifically designed for long roll aerial film applications, available for developing colour negative (C41) or B/W film. Each model with the features and design elements required for the film type and with the flexibility to develop sheet and roll formats.

As standard, the Colenta Aerial units support long roll feed with motorised take up, push and pull processing as well a battery back-up system to buffer any failures from the local power supply.



2 Colenta Aerial units, one B/W and one C41 next to each other in operation

7) Colenta[®] ECO-Line Colour Print Processors

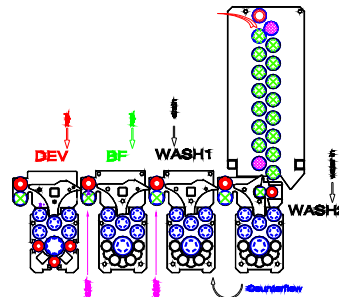
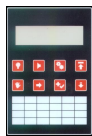
These 2 models provide a lower cost option to those who only require to develop RA4 R.C. media in cut sheet format with no requirement to process long roll material or display film. Ideally for studios offering professional RA4 paper prints.



The range of Studio Line RA4 Processors has been extended to include the models:

56 RA 50 ECO 4Tank

80 RA 50 ECO 4Tank



Colenta ECO Transport system



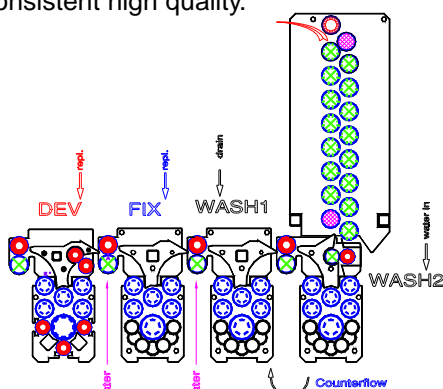
The changes made from the conventional **StudioLine** models include replacing the daylight sheet and roll feed loading box with a flat feed table and making electronic changes that limit the drive motor to a fixed speed to provide a 45 second development time. Other than these changes, the **ECO** versions are produced exactly as the standard **StudioLine** models, with the same level of automated control and flexibility to maintain the programmed processing parameters very precisely.

Standard features Include : – a production speed of 50 cm/min, water rinse crossovers, user friendly micro processor control, automatic replenishment, auto heating and cooling and with anti-crystallisation / anti-oxidation cycles.

In basic terms the **ECO** models provide all the required features and options to run high quality RA4 prints.

8) Colenta[®] Paper Processor for Black/White RC paper type StudioLine 56 66 80 BW-RC 4Tank

The design flexibility within the 4 Tank Studioline range of 56,66 and 80cm processors allow each to be configured for Black and White RC Papers, in cut sheet and long roll formats, producing prints to a consistent high quality.



rinsed cross over roller



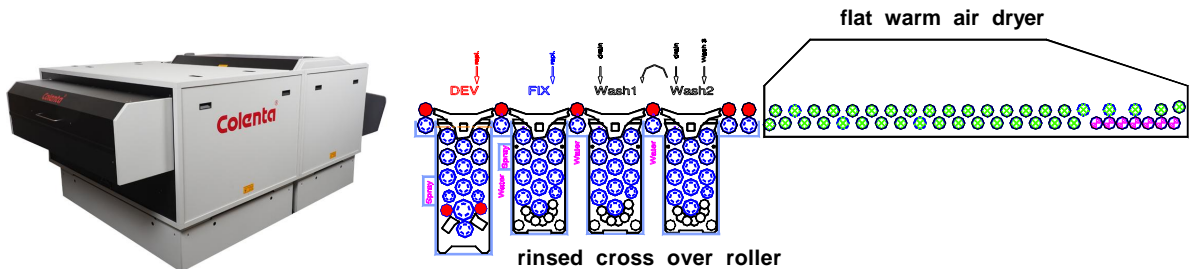
All models operate with a warm air drying system and include automatic replenishment and a programmable developer timing range, within the standard specification. Automatic anti oxidation cycles within an enclosed slim tank technology ensure the chemicals in use remain at the optimum levels at all times.

Colenta® Photo Processor range 08/2021



8) Colenta® Paper Processor for Black/White RC paper type WideTrack 140 BW-RC 4Tank

The model 140 SW Black & White 4 Tank RC processor provides a processing width up to 140cm for roll and sheet formats operating within a programmable speed range. It is a fully automatic “dry to dry” system operating under micro processor control to precisely maintain the programmed parameters, producing a consistent high level of production quality with the minimum of operator involvement. Spray bar agitation across the processor width is a standard design feature and installed in both the Developer and Fixer tanks to ensure even side to side density and front to back homogeneity.



The standard 140 SW model operates with a well proven “air knife” drying system but can be also ordered with an additional IR drying facility. Higher production units are also available on request.



**Colenta® WideTrack roll
feed & motorized roll take up**

9) Colenta® FILM PROCESSOR Accessories:



COLENTA Easy Clean cleaning products

Specially formulated cleaning and algae control solutions for Roller Transport processors to keep the racks and tanks in clean condition.

COLENTA chemical mixing, transfer & storage console 2x40 / 2x80

It is a device able to make three different uses : mixing accurately the concentrate chemicals with water, transferring the DEV and FIX into the tank of the processor, acting also as Replenishment tank.



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COLENTA water supply panel

incl filter, flow meter, thermometer and pressure gauge. Supporting 2 outlets, one used for wash/cooling water to the processor and one for use during service, cleaning and chemical mixing procedures.