



# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

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.



As a result of the increasing use of conventional cameras and film, **Colenta** are being contacted regularly by potential customers looking to purchase a new film processor that will handle their daily film intake more efficiently and provide them with a flexible and compact solution for their future film processing needs, manufactured using modern engineering technology.

Colenta offers the following range of film processors:

**Colenta<sup>®</sup>** 20 **C41** 20 6Tank Wash ECO **page 2,3**

**Colenta<sup>®</sup>** 20 **C41** 27 7Tank NP ECO (Washless)

**Colenta<sup>®</sup>** 30 **C41** 32 6Tank Wash PRO

**Colenta<sup>®</sup>** 20 **BW** 31 6Tank Wash ECO **page 4**

**Colenta<sup>®</sup>** 20 **BW** 31 7Tank Wash ECO

**Colenta<sup>®</sup>** 20 **E6** 14 9Tank ECO **page 5**

**Colenta<sup>®</sup>** 30 **E6** 23 9Tank PRO

**Colenta<sup>®</sup>** design features **page 6....**

**Colenta<sup>®</sup>**



# Colenta® Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta® Film Processor for Color Negative film

Colenta offer 3 options of film processor for developing C41/CN16 Colour negative film. 2 Models in **20cm(8inch)**, and 1 Model in **30cm(12inch)** processing width.

Both 20 C41/CN16 models will accept 3 track loading of 135/120/220 and 4 track loading across the wider 30/12inch model.



All Colenta C41/CN16 Film Developing models are fully automatic “Dry to Dry” systems whereby all processing parameters can be programmed as required and are then precisely monitored and controlled to ensure consistent processing quality with the minimum of daily maintenance



microprocessor controlled Display

All Colenta roller transport C41/CN16 film processors operate at a 195sec standard developer time. For push & pull purpose this timing can be set via the operator display to different values.

A Colenta C41 installed “through the wall” next to a Colenta 140 / 55” WideTrack RA4 paper processor.





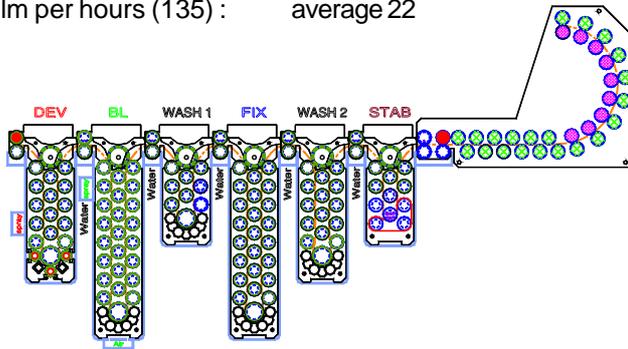
# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> Film Processor for Color Negative film

The drawings below confirm the Tank configuration of each model, define Wash or Washless plus confirm the production speed based on a programmed developer time of 195 seconds.

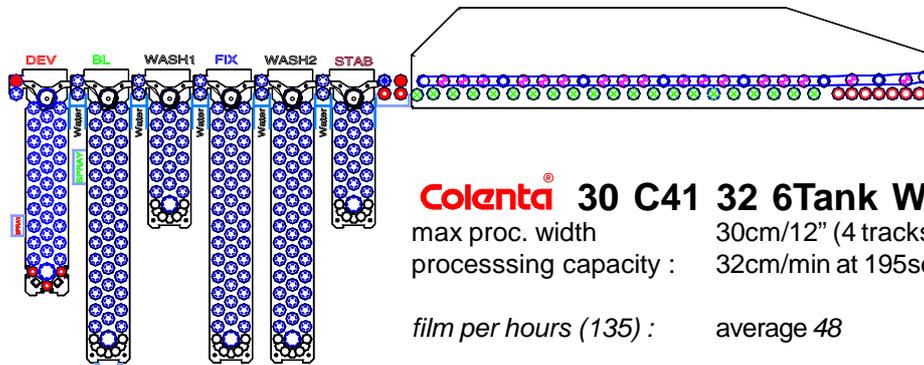
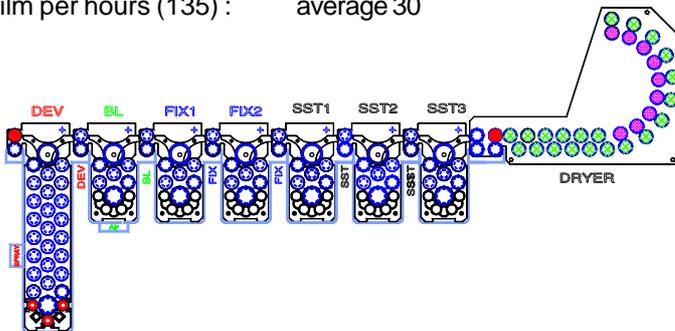
### Colenta<sup>®</sup> 20 C41 20 6Tank Wash ECO

max proc. width                    20cm/8" (3 tracks of 135/120/220)  
 processing capacity :            20cm/min at 195sec DevTime  
 film per hours (135) :            average 22



### Colenta<sup>®</sup> 20 C41 27 7Tank NP ECO (Washless)

max proc. width                    20cm/8" (3 tracks of 135/120/220)  
 processing capacity :            27cm/min at 195sec DevTime  
 film per hours (135) :            average 30



### Colenta<sup>®</sup> 30 C41 32 6Tank Wash PRO

max proc. width                    30cm/12" (4 tracks of 135/120/220)  
 processing capacity :            32cm/min at 195sec DevTime

film per hours (135) :            average 48

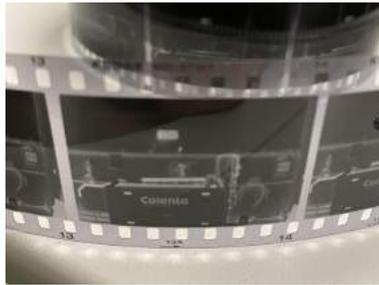




# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> Film Processor for BW Negative film

Colenta offer 2 options of film processor for the developing of B&W camera film, both are in a 20cm(8inch) processing width and offer the choice to develop film using a STOP bath (7 Tank) or without a STOP bath (6Tank).



B&W photography continues to increase in popularity, more and more exposed film is required to be developed daily and for this, studios or lab's may consider Colenta as their choice of processor.

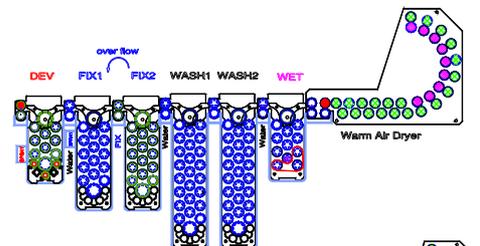


Our 20 B&W models provide an ideal automated and flexible system to develop film in fast time at the processing parameters programmed by the operator for the need of the customer. Using our 20 B&W will allow films to be developed at precise development times in a range of 60 to 150 seconds then fixed and washed efficiently in 2 stage systems to ensure film development, processing quality and archival standards are at the highest level.

The drawings below confirm the Tank configuration of B&W each model, define with or without a STOP bath and confirm a production speed based on a programmed development time of 90 seconds. Both 20 B&W models will accept 3 track loading of 135/120/220 camer film.

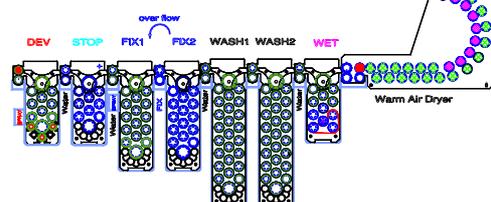
### Colenta<sup>®</sup> 20 BW 31 6Tank Wash ECO

max proc. width : 20cm/8" (3 tracks of 135/120/220)  
 processing capacity : 31cm/min at 90sec DevTime  
 film per hours (135) : average 30



### Colenta<sup>®</sup> 20 BW 31 7Tank Wash ECO

max proc. width : 20cm/8" (3 tracks of 135/120/220)  
 processing capacity : 31cm/min at 90sec DevTime  
 film per hours (135) : average 30





# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> Film processor for E6 Film

Colenta offer **2 options** of film processor for the developing of E6 camera films.  
 1 Model in a **20cm(8inch)** processing width and 1 Model in **30cm(12inch)** processing width.

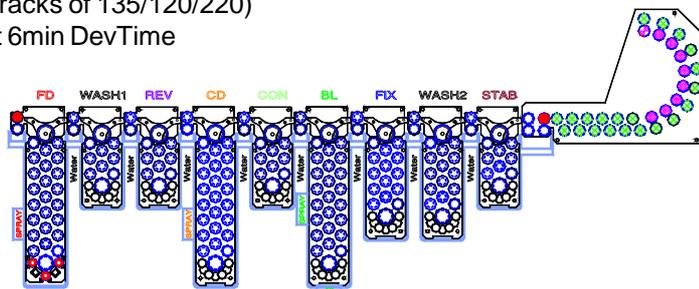


STAB WASH2 FIX BL CON CD REV WASH1 FD

The drawings below shows the Tank configuration of each model and confirm the production speed based on a programmed development time of 360 seconds. The 20 E6 14 model will accept 3 track loading of 135/120/220 and the 30 E6 23 will accept 4 track loading.

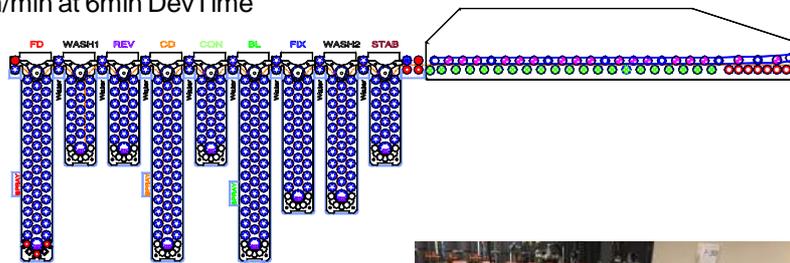
### Colenta<sup>®</sup> 20 E6 14 9Tank ECO

max proc. width            20cm/8" (3 tracks of 135/120/220)  
 processing capacity :    14cm/min at 6min DevTime



### Colenta<sup>®</sup> 30 E6 23 9Tank PRO

max proc. width            30cm/12" (4 tracks of 135/120/220)  
 processing capacity :    23cm/min at 6min DevTime



Colenta also design and manufacture special order film processors for specialised applications , this picture shows a 43 E6 26 unit produced to develop film samples directly from the coating alley.

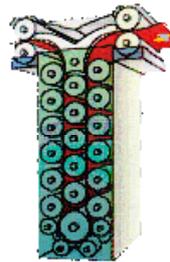




# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> Design features:

All models of Colenta Film Processor are microprocessor controlled to provide a fully automatic “dry to dry” film developing system for all regular camera films and operate with a non opposed roller system with minimum contact to the film surfaces to ensure safe and reliable transfer of films through each stage of the development process.

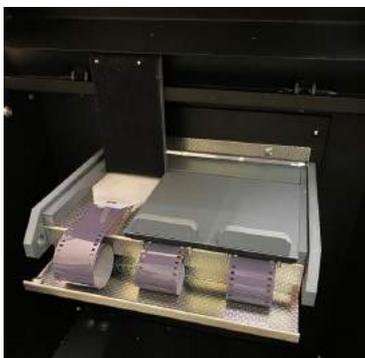


microprocessor  
controlled Display

All models of Colenta Film Processor are designed for ease of loading and are easily configured for free standing or “through wall” installation as required. Standard accessories included with each processor include replenishment storage tanks, film leaders with prep tool, multi track loading guide, plumbing fittings and a small user spare parts kit.



Daylight Loading Sleeves are an optional accessory and can be ordered with the processor and factory fitted.



3 tracks of 135 camera film on a 20cm Filmprocessor, attached to the film leader and loaded via the multi track loading guide. The same system can be used for 120/220 film format.



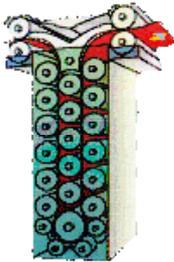


# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> Design features:

microprocessor controlled Display

All models have a variable and programmable development timing feature which provide the operator with the ability to programme film to be developed at the required development time as well to develop films at selected push-pull timings to meet a photographers specific needs.



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 Film 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 Film processors support a maintenance free and reliable chain drive system to drive the wet racks and dryer module.

*No worm gears are in use!*





# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> Design features:

Special care had been taken to the main processor electronics in order to keep them away 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 Film processors support water rinsed crossovers. These water rinse crossovers are located between each of the chemical tanks to minimize the 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.



Transport rack assemblies can be manually handled into and out of the processor tanks, a rack carrier/drip tray is provided to transfer each rack from the processor to a washing area for cleaning.



microprocessor  
controlled Display



All top covers are designed for easy removal for carrying out shut-down and start-up cleaning procedures – an evaporation cover prevents any risk of contamination.

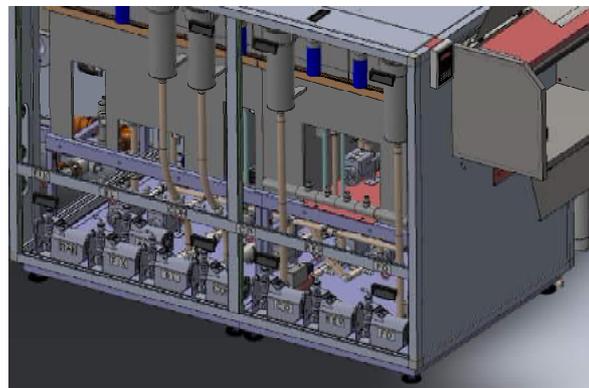


# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> Design features:

Circulation, on a processor, is of great importance! To ensure stable temperatured processing tanks as well to ensure evenly mixed processing chemicals - this is one of the basic rules to ensure 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.

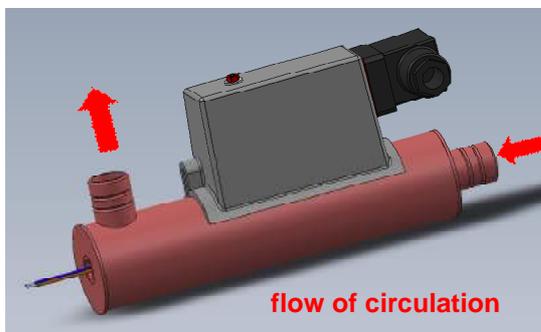
inline filters



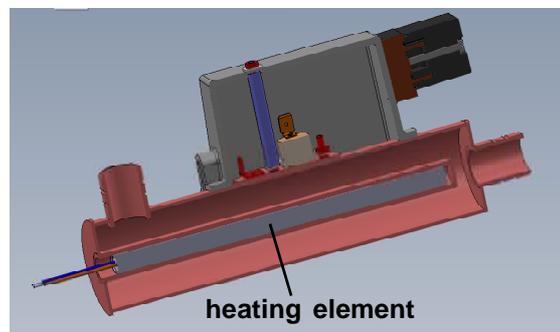
replenisher pumps & heaters

modern 3D cad systems are in use to define and to position all the required pumps & heaters .....

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 Film processors are subject to detail quality control procedures and wet tested for a minimum 72 hours continuous operation before leaving the factory!*



# Colenta<sup>®</sup> Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta<sup>®</sup> optional accessories:



Colenta<sup>®</sup>  
Water Supply Panel assy  
(see extra documentation)

Colenta<sup>®</sup>  
2x40L / 2x80L Mixing Concole  
(see extra documentation)



*Other optional accessories specific to the model and application, such roll feed and motorized take up units, chiller, .... are available on request!*

## NOTES :

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