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

**Colenta** have remained the leader in processor technology for over 50 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 regulary by potential customers looking to purchase a new film processor that will handle their daily film intake more effiently 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® 20 **C41** 20 6Tank Wash ECO **page 2,3**

Colenta® 20 **C41** 27 7Tank NP ECO (Washless)

Colenta® 30 **C41** 32 6Tank Wash PRO

Colenta® 20 **BW** 31 6Tank Wash ECO **page 4**

Colenta® 20 **BW** 31 7Tank Wash ECO

Colenta® 20 **E6** 14 9Tank ECO **page 5**

Colenta® 30 **E6** 23 9Tank PRO

Colenta® design features **page 6....**


Colenta®

# 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 operater dispaly to different values.

installation samples

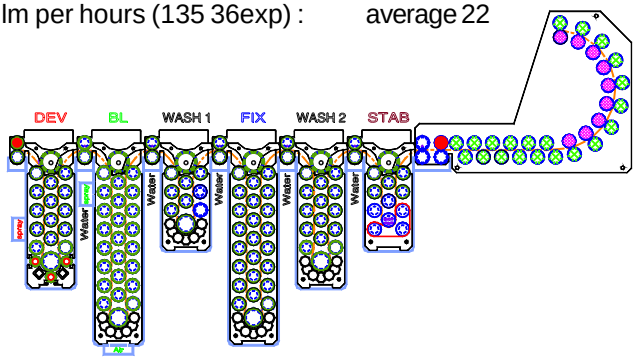
# Colenta® Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta® 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.

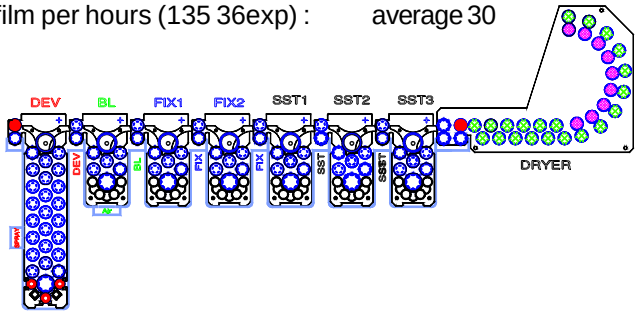
### Colenta® 20 C41 20 6Tank Wash ECO

| | |
|---|---|
| max proc. width | 20cm/8" (3 tracks of 135/120/220) |
| processsing capacity : | 20cm/min at 195sec DevTime |
| film per hours (135 36exp) : | average 22 |

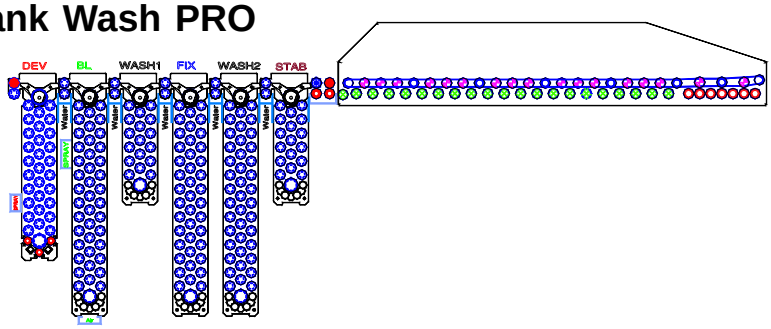


### Colenta® 20 C41 27 7Tank NP ECO (Washless)

| | |
|---|---|
| max proc. width | 20cm/8" (3 tracks of 135/120/220) |
| processsing capacity : | 27cm/min at 195sec DevTime |
| film per hours (135 36exp) : | average 30 |



### Colenta® 30 C41 32 6Tank Wash PRO




| | |
|---|---|
| max proc. width | 30cm/12" (4 tracks of 135/120/220) |
| processsing capacity : | 32cm/min at 195sec DevTime |
| *film per hours (135 36 exp) :* | average *48* |

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

## Colenta® 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**).

ILFORD

Both machines had been designed for the use of the Ilford RT processing chemicals.

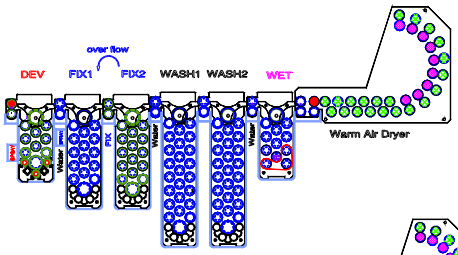
B&W photography continues to increase in popularity, more and more exposed film is required to be developed daily and for this, studios or lab's may consider Colenta as their choice of processor.

Our 20 B&W models provide an ideal automated and flexible system to develop film efficiently time at the processing parameters programmed by the operator Using our 20 B&W will allow films to be developed at precise development times according manufacturer recommendations, 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.

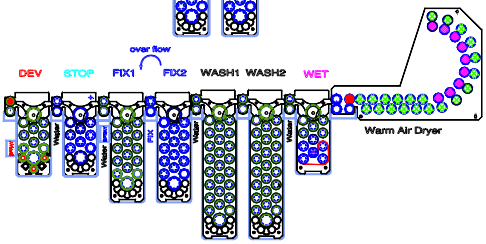
### Colenta® 20 BW 31 6Tank Wash ECO

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




### Colenta® 20 BW 31 7Tank Wash ECO

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

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

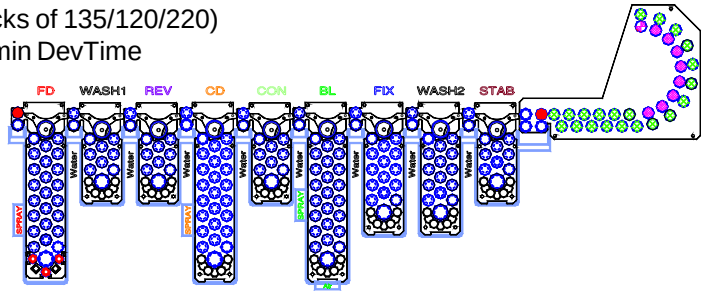
## Colenta® Film processor for E6 Film

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.

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.

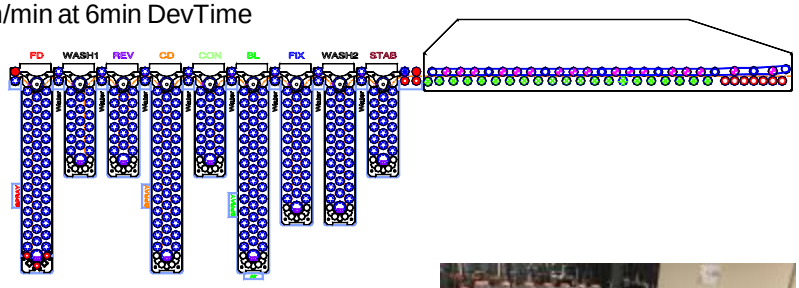
### Colenta® 20 E6 14 9Tank ECO

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




### Colenta® 30 E6 23 9Tank PRO

max proc. width 30cm/12" (4 tracks of 135/120/220)
processsing 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.

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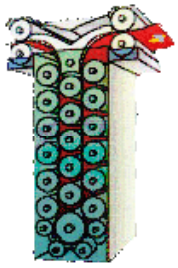
# Colenta® Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta® Design features:

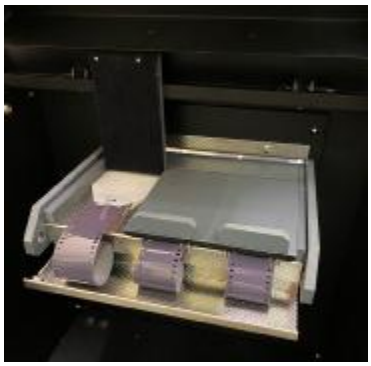
All models of Colenta Film Processor are microprocessor controlled to provide a fully automatic “dry to dry” film developing system for all regular camera films and operate with a non opposed roller system with minimum contact to the film surfaces to ensure safe and reliable transfer of films through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

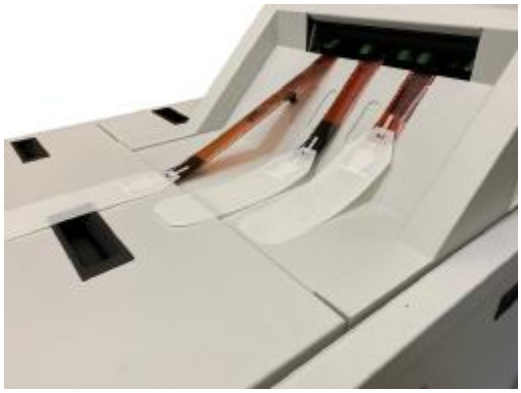


**microprocessor controlled Display**

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.

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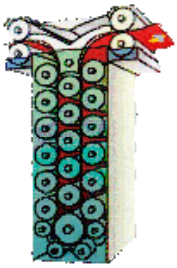
# Colenta® Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta® Design features:

**microprocessor controlled Display**

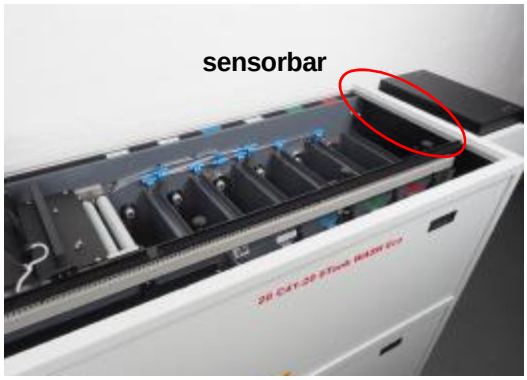
All models have a variable and programmable development timing feature which provide the operator with the ability to programme film to be developed at the required development time as well to develop films at selected push-pull timings to meet a photographers specifc needs.



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 lenght! This information is than transfered 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 maintenaince free and reliable chain drive system to drive the wet racks and dryer module.

*No worm gears are in use!*

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

## Colenta® 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 minimze 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.

**water rinsed cross overs**

**water rinsed cross overs**

Transport rack assemblies can be manually handled into and out of the processer 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 coves are designed for easy removal for carrying out shut-down and start-up cleaning procedures – an evaporation cover prevents any risk of contamination.

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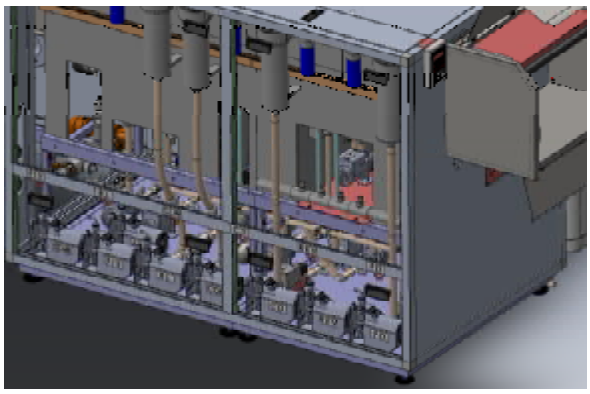
# Colenta® Photo processing Equipment for C41/CN16, B&W and E6 Films.

## Colenta® 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 turbolent. Again subject to the model, extra cross agitation pumps are in use, as well as line filters.

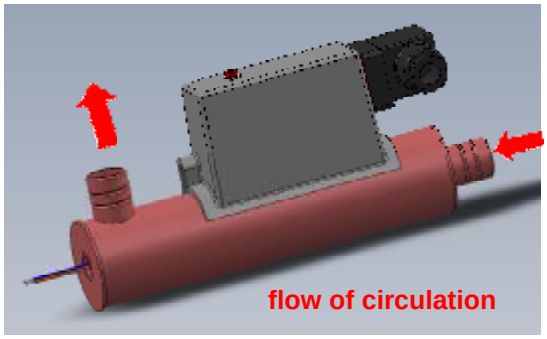
**inline filters**

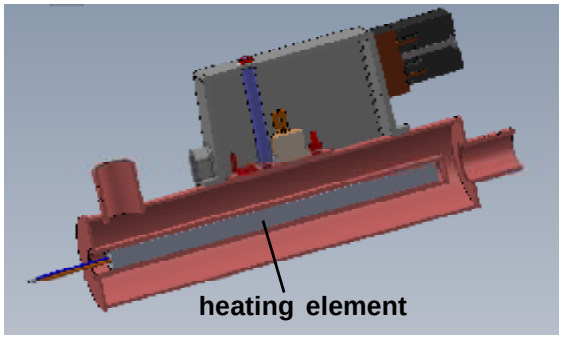
**replenisher pumps & heaters**



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

To ensure homogenius distributed and evenly tempered processing chemicals, Colenta is using on all processors flow heating systems. The processing chemicals are constantly flowing trough 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 tupe and as such has **NO** direct contact with any processing chemicals!




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

## Colenta® optional accessories:

Colenta®
Water Supply Panel assy
(see extra documentation)

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

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

# NOTES :