data sheet

Colenta® **Colenta New Generation Film Processor**

Film Processor
20 BW 31 - 6Tank ECO

Colenta®

QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001

Colenta FILM Processor - Type B&W
for BW Camerafilm

Colenta®

Film Processor
20 BW 31-6Tank ECO

Technical Specifications:

Processing applications:	BW Camerafilm 135 120 220
Process width:	**20cm / 3 tracks of 35/120/220 camera film**
Microprocessor Control:	# 6 pre-programmable processing cycles
Processing capacity	**31cm/min @ 90 sec DevTime** (Dev time is pre-programmable)
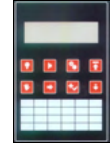
Tank capacities: **20 BW 31-6Tank Eco**

Developer	:	**5,5 litre**
Fix1	:	**7,6 litre**
Fix2	:	**7,6 litre**
Wash 1	:	**11,0 litre**
Wash 2	:	**11,0 litre**
WETTING	:	**5,0 litre**

All Colenta Film processor options 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 hard roller transport system.

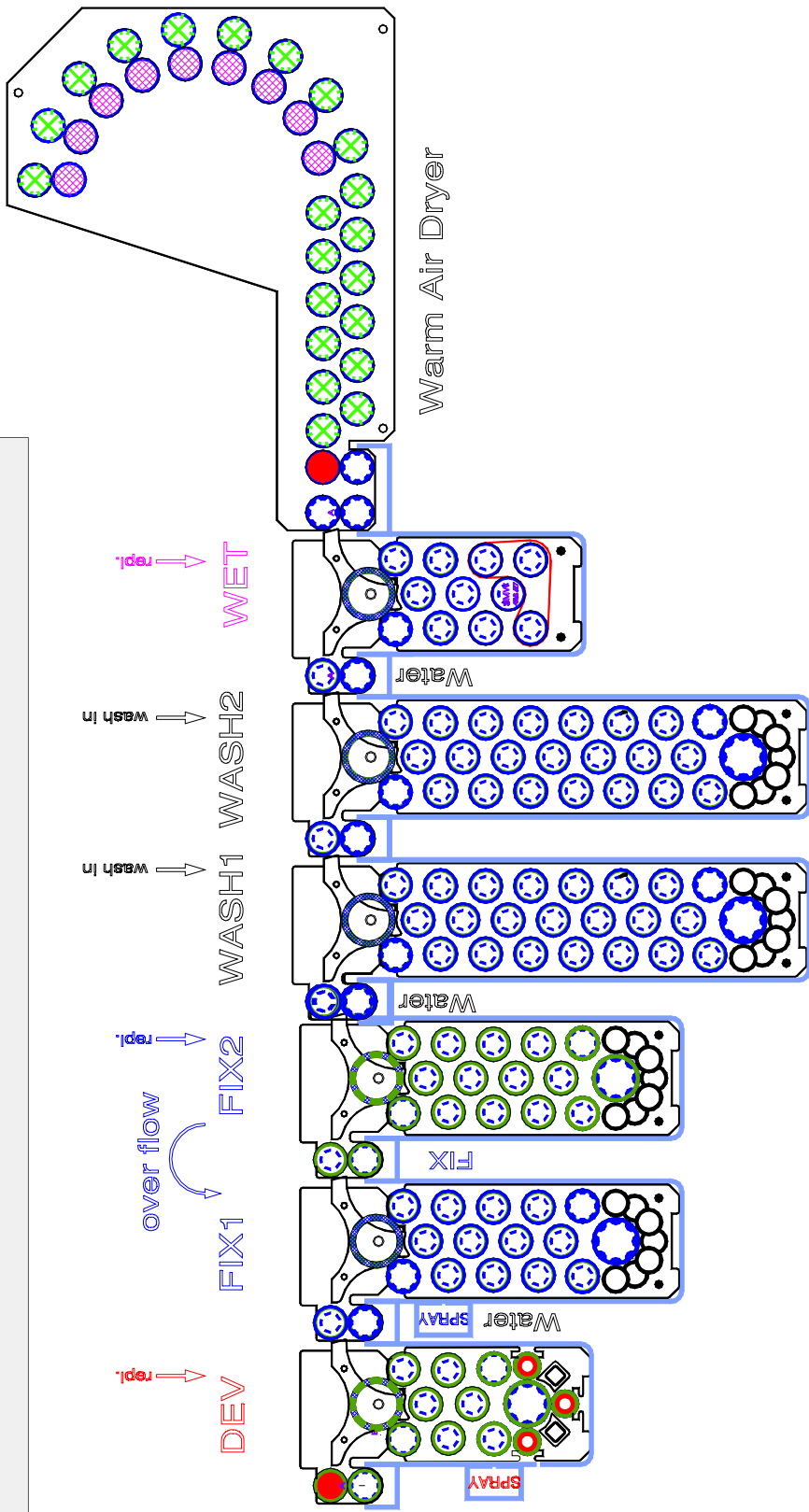|	
Replenishment:	- precisely controlled using opto-sensors to measure the area loading. - activated after a pre-set film area is fed into the processor
High efficiency drying:	via integrated warm air drying system supporting airknives
Temperatures:	All solution temperatures are accurately controlled and monitored with automatic cold water cooling - chiller systems are optional vavailable.
Transport / Drive motor:	precisely controlled by electronic feed-back to ensure consistant developer timing

Standard Accessories:-

Level control for all Processing & Wash tanks   # Rack Carrier/Drip Tray

30 litre Replenishment storage tanks   # water supply / drain connectors   # CE marking

user spare part kit

Optional Accessories:

Inbuild Roll feed unit to include into the light tight feed box and long roll feed cradle with spool bobbins

Motorised Roll Take-Up   # extra spool bobbins   # UPS battery back up   # chiller unit

water supply panel   # 2 position chemical mixing concole (2x40L / 2x80L)

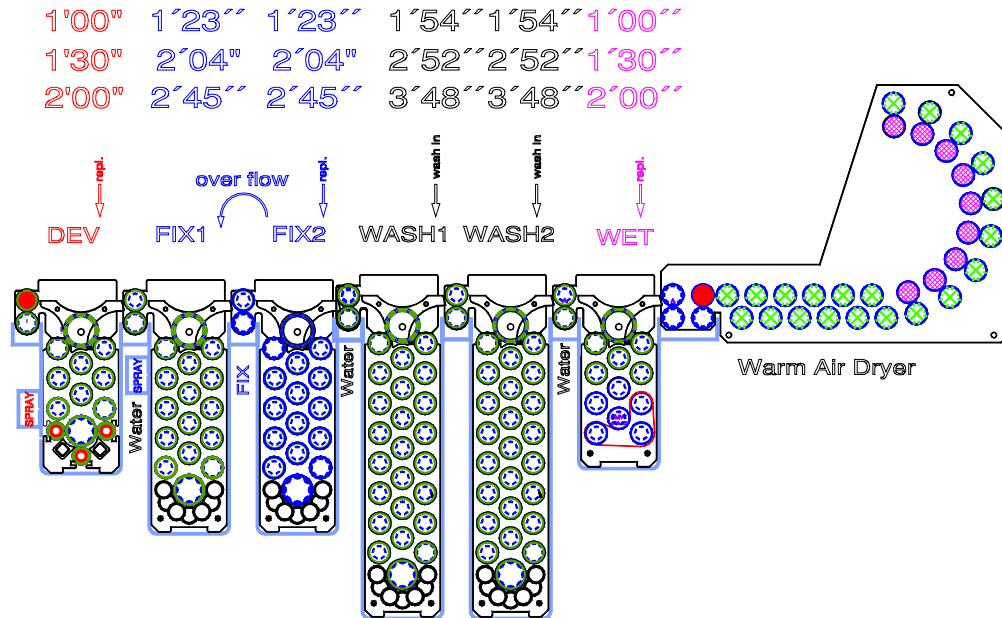**Technical specification subject to change without notice.**

Transport system: Colenta 20 BW 31 6Tank ECO

Warm Air Dryer

DEV   FIX1   FIX2   WASH1 WASH2   WET

repl.   over flow   repl.   wash in   wash in   repl.

SPRAY   Water   SPRAY   FIX   Water   Water

All transport modules (racks) and tanks are designed to reduce chemical oxidation to an absolute minimum. This together with our accurate replenishment, temperature control and constant circulation ensures all processing parameters are maintained within pre-set programmable limits.

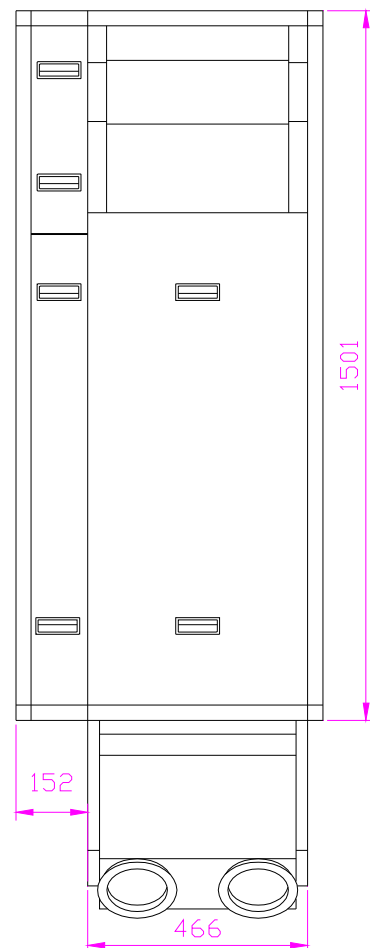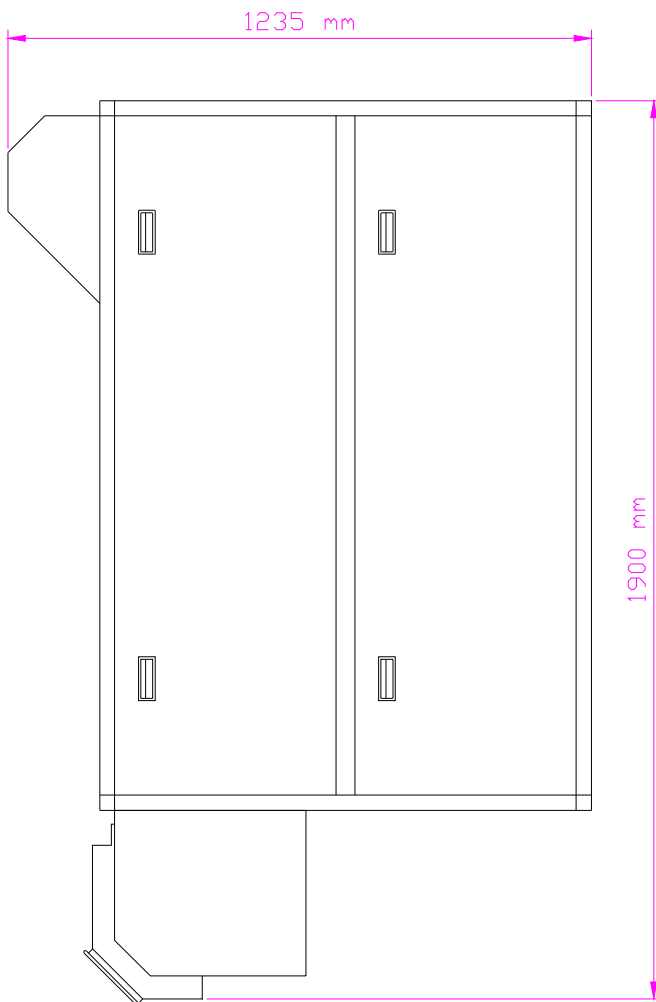## Timings & Ratios: **Colenta**® **20 BW 31-6Tank ECO**

20 BW 31-6Tank Wash Eco

1'00"	1´23´´	1´23´´	1´54´´	1´54´´	1´00´´
1'30"	2´04"	2´04"	2´52´´	2´52´´	1´30´´
2'00"	2´45´´	2´45´´	3´48´´	3´48´´	2´00´´

repl. → DEV

over flow — FIX1

repl. → FIX2

wash in — WASH1

wash in — WASH2

repl. → WET

Warm Air Dryer

speed @ 1'00" Dev time = 46,5cm/min
speed @ 1'30" Dev time = 31cm/min
speed @ 2'00" Dev time = 23,2cm/min

Recommended Developer time range 55sec to 120sec subject to processing chemicals in use!

Water rinsed cross over rollers are in place in order to minimize the chemical carry over from one tank to the next as well to keep the cross over section clean and free from any chemical deposits.
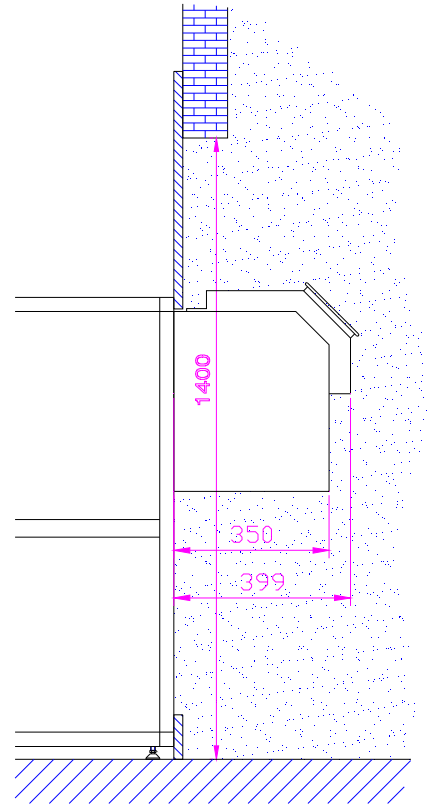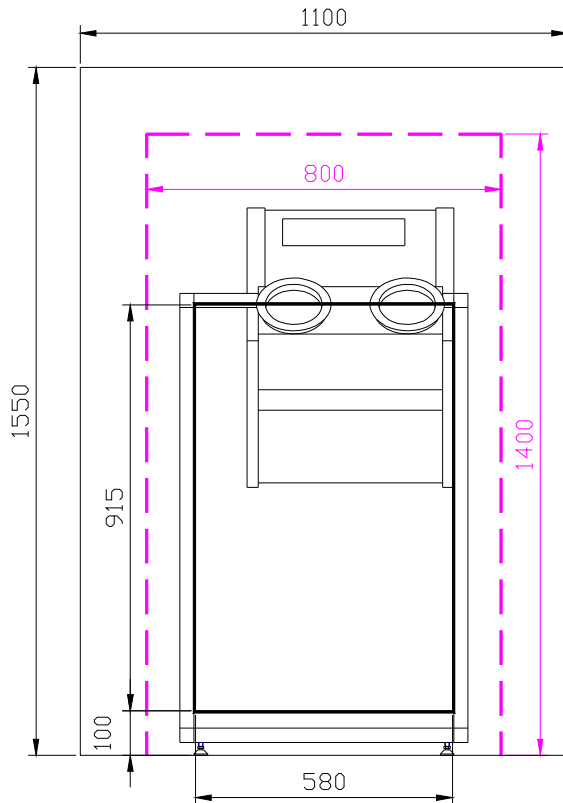
Dimensions: Colenta® 20 BW 31-6Tank Eco

1041

650

1235 mm

1900 mm

1501

152

466
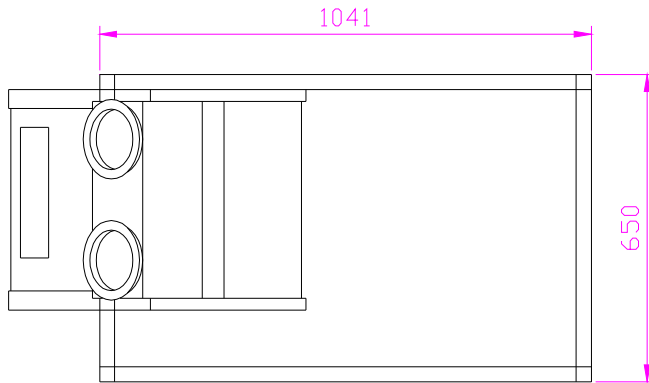
We recommend a minimum walking space of 60cm around the processor.

Specifications for wall-opening if the processor has to be installed that way:

Colenta® 20 BW 31-6Tank ECO

dim. of required wall opening   **approx. 1400x800mm**

dim. of required wall panel   **approx. 1550x1100x20mm**

dim. of clearance wall panel   **approx. 915x580mm**

In case the thickness of the wall is more than 2cm, a wall panel panel has to be installed, this to be able to operate the cover lid of the film loading box.
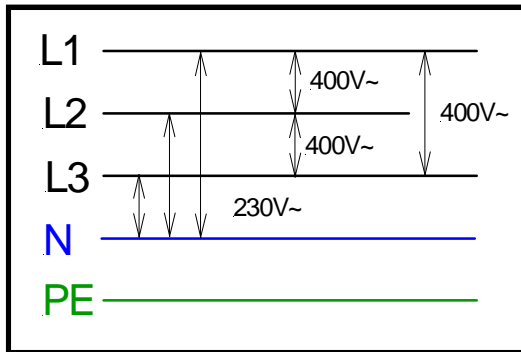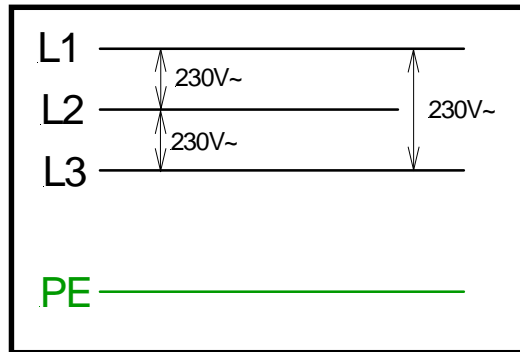
Electrical supply: Standard, when 3N~400/230V, 50/60 Hz supply available

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Total power consumption:
20 BW 31-6Tank ECO .... **5,3 kW**

Standard supply net:
3N-400/230 VAC 50/60Hz

```
L1 ─────────┬──┬──┬─────────┬───
            │  │  │ 400V~    │
L2 ─────────┼──┼──┼─────────┤ 400V~
            │  │  │ 400V~    │
L3 ─────────┼──┼──┼─────────┴───
            │  │ 230V~
N  ─────────┴──┴──────────────
PE ──────────────────────────
```

Alternatively:
3x230V 50/60 Hz

```
L1 ─────────┬──┬─────────┬───
            │  │ 230V~    │
L2 ─────────┼──┼─────────┤ 230V~
            │  │ 230V~    │
L3 ─────────┴──┴─────────┴───

PE ──────────────────────────
```

Single phase connection (230VAC - 50/60Hz)
on request only.

The required power supply is to be indicated and confirmed
when ordering!

Details for shipment:

Colenta® | **20 BW 31-6Tank ECO**

210x 82 x 151cm   380 kg

All dimensions & weights are subject to finial confirmation.

Colenta® *20 BW 31-6Tank ECO : accessories included:*

rack drip tray

loading guide for
35mm / 120 film / 220

10 pcs film leaders &
punch tool

30 litre capacity replenisher
tanks incl cover for each
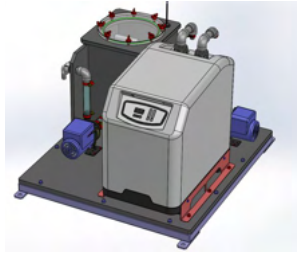chemical tank

anti oxidation cover for wet
section

small user parts kit

basic plumbing
connectors for water
supply and drain

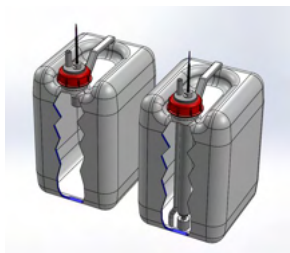# **Colenta** *20 BW 31-6Tank ECO : optional accessories:*

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Water Supply Panel assy
(see extra documentation)

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external chiller unit

day-light
loading option

external 10 or 20 litre
chemical waste
container incl high
level monitoring

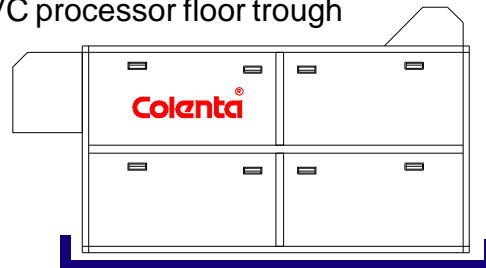# low level control for external
replenisher tanks

sleep mode / over night
program incl "auto wake-up" function

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

PVC processor floor trough

UPS Battery power supply back
up system

NOTES: