

data sheet

Colenta[®]

PCB - Film Processor

Type: PCB 160/90 - 4Tank



Colenta[®]

Colenta WideTrack PCB Processor -
for processing common used PCB film in sheet format



04/2020 AN

Colenta[®] PCB Film Processor

Type: PCB 160/90 - 4 Tank

Technical Specifications:

Processing applications:

common used PCB film in sheet format.

Process width:

max. 170 cm

Microprocessor Control:

with 9 pre-programmable processing cycles

Processing Capacity



@ 30 sec	90	cm/min
@ 35 sec	79	cm/min
@ 40 sec	68	cm/min
@ 45 sec	60	cm/min

(Dev time is pre-programmable, subject to film & chemicals in use as well as exposure settings)

Tank capacities:

PCB 160/90 4Tank

Developer	:	approx 40 L incl. external filters
Fixer	:	approx 40 L incl. external filters
Wash1	:	approx 40 L incl. external filters
Wash2	:	approx 40 L incl. external filters

The Film Processor is micro processor controlled and provide a fully automatic Dry to Dry service for both cut sheet and long roll through a well proven specifically for PCB Film designed roller transport system.

Replenishment:

- precisely controlled using opto-sensors to measure the area loading.
- activated after a pre-set print/film area is fed into the processor

High efficiency drying:

An integrated flat path warm air drying system with airknives (low temp)

Temperatures:

All solution temperatures are accurately controlled and monitored with automatic cooling (cold water based)

Transport/ Drive motor:

precisely controlled by electronic feed-back to ensure constant developer timing

ONLINE OPERATION: In case the processor is to be installed in online operation with the Plotter. Colenta would offer an interface systems which individually designed to work "hand in hand" with the software and hardware control systems within the plotter. Precise coding and signal communications are accurately monitored by the interface electronics to ensure that the processor and plotter are working in total harmony to ensure safe handling of media into and through the processor and consistent high quality PCB Film production.

Standard Accessories:-

- # film receiving tray
- # Level control for all Processing tanks
- # filter for Dev & Fix and WASH (2x)
- # water supply / drain connectors.
- # closed panels for stand

- # Rack Carrier/Drip Tray
- # recirculated Wash tanks
- # Replenishment storage tanks 2 x 50L
- # programmable squerometer based filter alarm
- # small user spare part kit
- # sleep mode / over night program

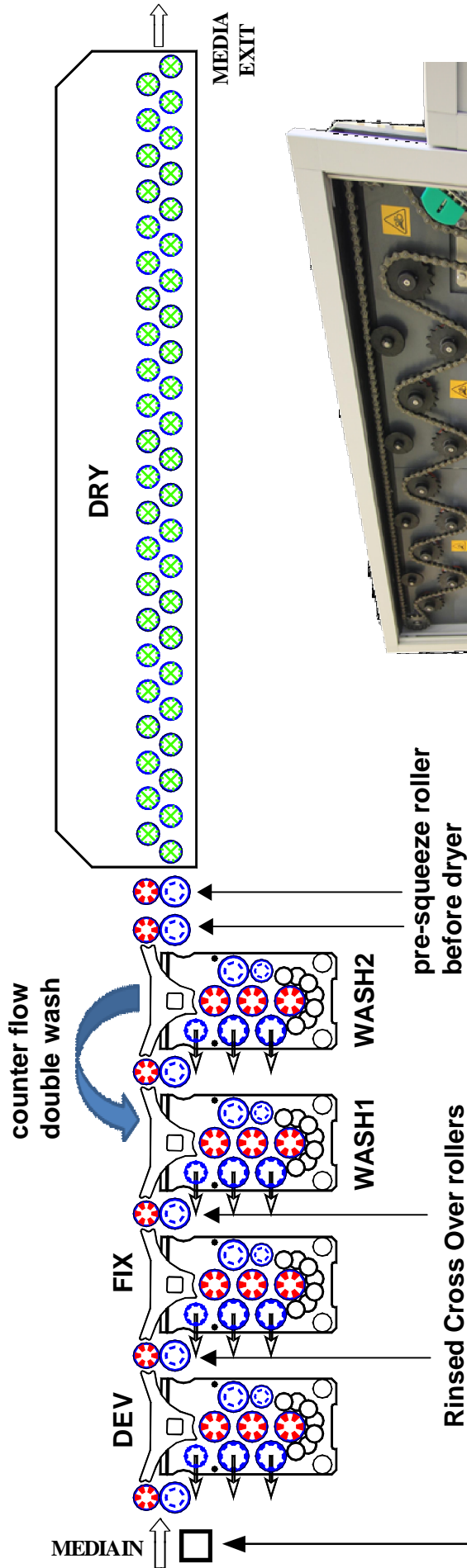
Optional Accessories:

- # Colenta Mixing concole 2x40L / 2x80L
- # Silver Recovery unit

- # specific Online Kit - if applicable
- # water panel assy

Technical specification subject to change without notice.

Transport system: PCB 160/90 - 4Tank



Optical Sensorbar to measure touchless the incoming film.

processing capacity:

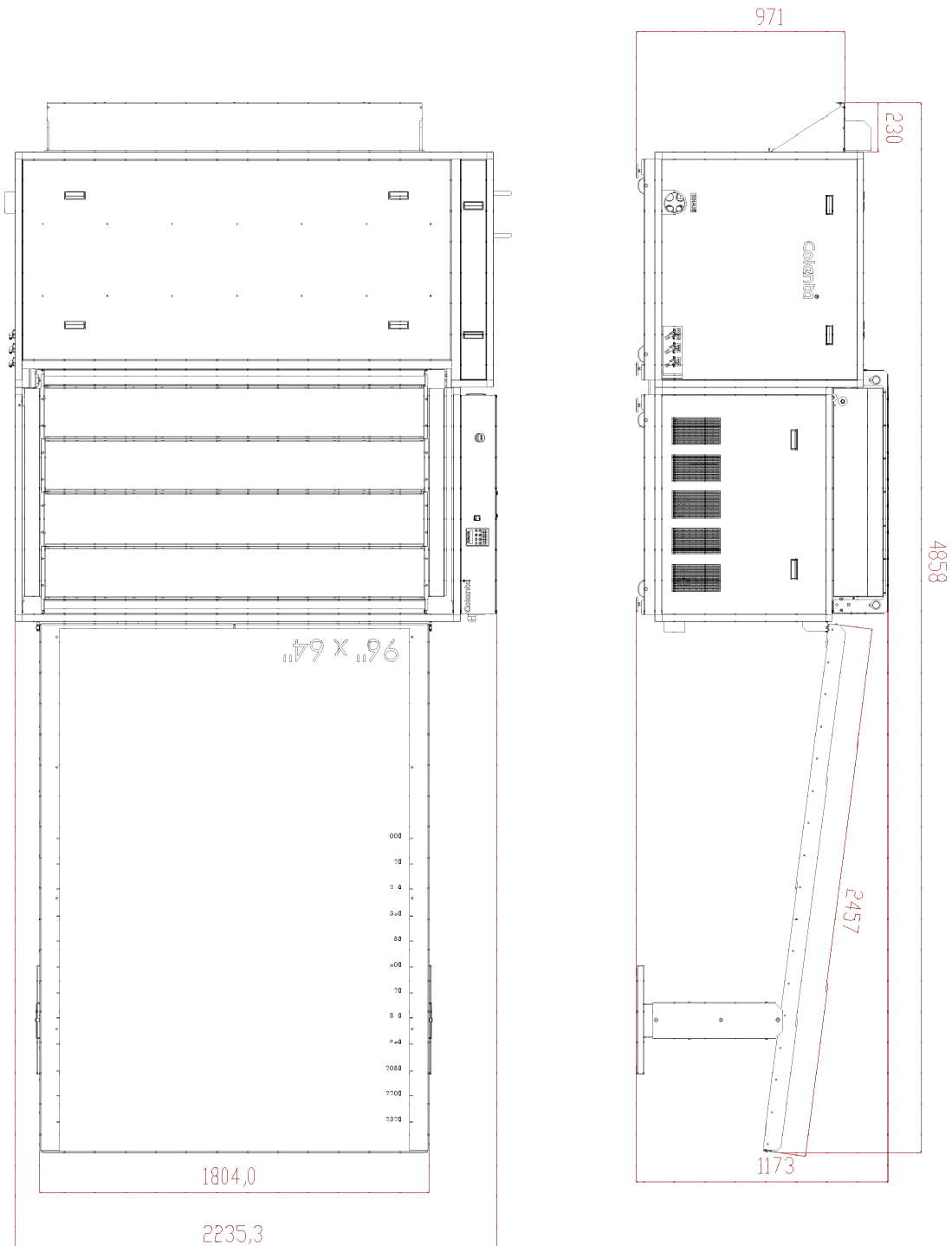
- @ 30" 90 cm/min
- @ 35" 79 cm/min
- @ 40" 68 cm/min
- @ 45" 60 cm/min



reliable chain drive system
(no worm gears are used !)

DIMENSIONS:

Type: PCB 160/90 - 4Tank



a minimum walking space of 60cm around the processor is required.

all dimensions are in mm

specific film receiving tables subject to the max film size in use are available.

Colenta PCB 160/90 - 4 Tank Film Processor

Colenta® *PCB 160/90-4Tank accessories included:*

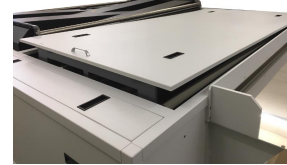
rack carrier drip tray



10" filter systems for all wet tanks!



(Dev, Fix, Wash1 & Wash2)



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



rinsed cross over rollers to minimize the carry over from one tank to the next!

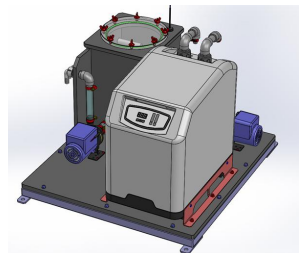
film receiving tray - specific size subject to max film size in use



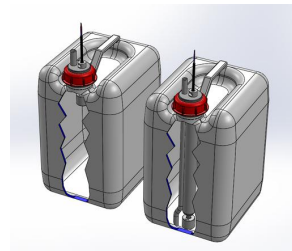
Colenta® *PCB 160/90-4Tank optional accessories:*



Colenta®
Water Supply Panel assy
(see extra documentation)



Colenta®
external chiller unit

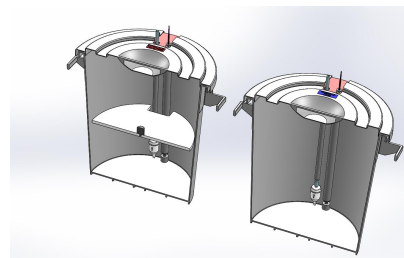


external 20 litre chemical waste container incl high level monitoring



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

low level control for external replenisher tanks



Electrical supply: Standard, when 3N~400/230V, 50/60 Hz supply available

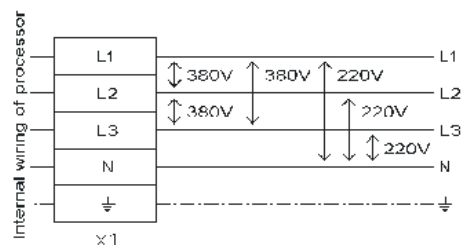
Total power consumption:

Colenta PCB 160/90-4Tank
18,2 kW / 32A

Alternativ power supply for the processor
available on request.

ATTENTION:

PROCESSOR TO BE CONNECTED TO
SUPPLY NET: 3N~380/220V 50/60Hz



In case the above voltages are
not available at site, please
contact your local dealer or
the factory for rewiring advice.

Details for shipment:

Colenta PCB 160/90-4Tank

Packing dimensions:

3 Collo:

- 1. Collo: 251x151x175 cm, 640 kg**
- 2. Collo: 251x136x167 cm, 381 kg**
- 3. Collo: 207x198x105 cm, 510 kg**