

# data sheet

**Colenta<sup>®</sup> PCB- Processor**  
**PCB 140/95 and 140/120 4Tank**  
**ONLINE for**  
**Barco Megasetter Plus**



**Colenta<sup>®</sup>**

Colenta DIGITAL PCB Processor - for both, sheet and  
roll PCB film production

12/2009 AN



# WideTrack Processor

## PCB 140/95 & PCB 140/125 4T

**Technical Specifications:**

**Processing applications:** common used PCB film in sheet and roll format

**Process width:** PCB 140/95.....max. 140 cm (55 inch)  
PCB 140/125...max. 140 cm (55 inch)

**Microprocessor Control:** with 9 pre-programmable processing cycles

**Transport Speed (at 45 sec DEV-Time):** for **PCB 140/95 4T**.....95 cm/min (38 inch/min)  
(Dev time is pre-programmable) for **PCB 140/125 4T**.... 125 cm/min (49 inch/min)

**Tank capacities:** **PCB 140/95 4Tank** **PCB 140/125 4Tank**

<b>Developer</b>	:	47 L incl. outside filters	55 L incl. outside filters
<b>Fixer</b>	:	37 L incl. outside filters	45 L incl. outside filters
<b>Wash1</b>	:	35 L (recirculated)*	43 L (recirculated)*
<b>Wash2</b>	:	35 L (recirculated)*	43 L (recirculated)*

\*.....optional with filters

**All Colenta Wide Track models 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 print/film area is fed into the processor

**High efficiency drying:** An integrated flat path warm air drying system with airknives

**Temperatures:** All solution temperatures are accurately controlled and monitored with automatic cooling.

**Transport/ Drive motor:** precisely controlled by electronic feed-back to ensure consistant developer timing

**ONLINE for BARCO:**

*The processor delivery incorporates all required Online specifications to support the Barco in Online format. This includes a mechanical kit to connect the Barco exit bridge with the processor flat front as well as a signal interface to ensure a stabile work flow.*

**Standard Accessories:-**

- |  |  |                          |
|--|--|--------------------------|
| # Online Kit for BARCO MEGASETTER PLUS   | # film receiving tray                          | # Rack Carrier/Drip Tray |
| # Level control for all Processing tanks | # 2 recirculated Wash tanks                    |                          |
| # filter for Dev & Fix                   | # hard roller dryer System - no foam is in use |                          |
| # Replenishment storage tanks 50L        | # water supply / drain connectors.             |                          |
| # closed panels for stand                | # programmable squermeter based filter alarm   |                          |

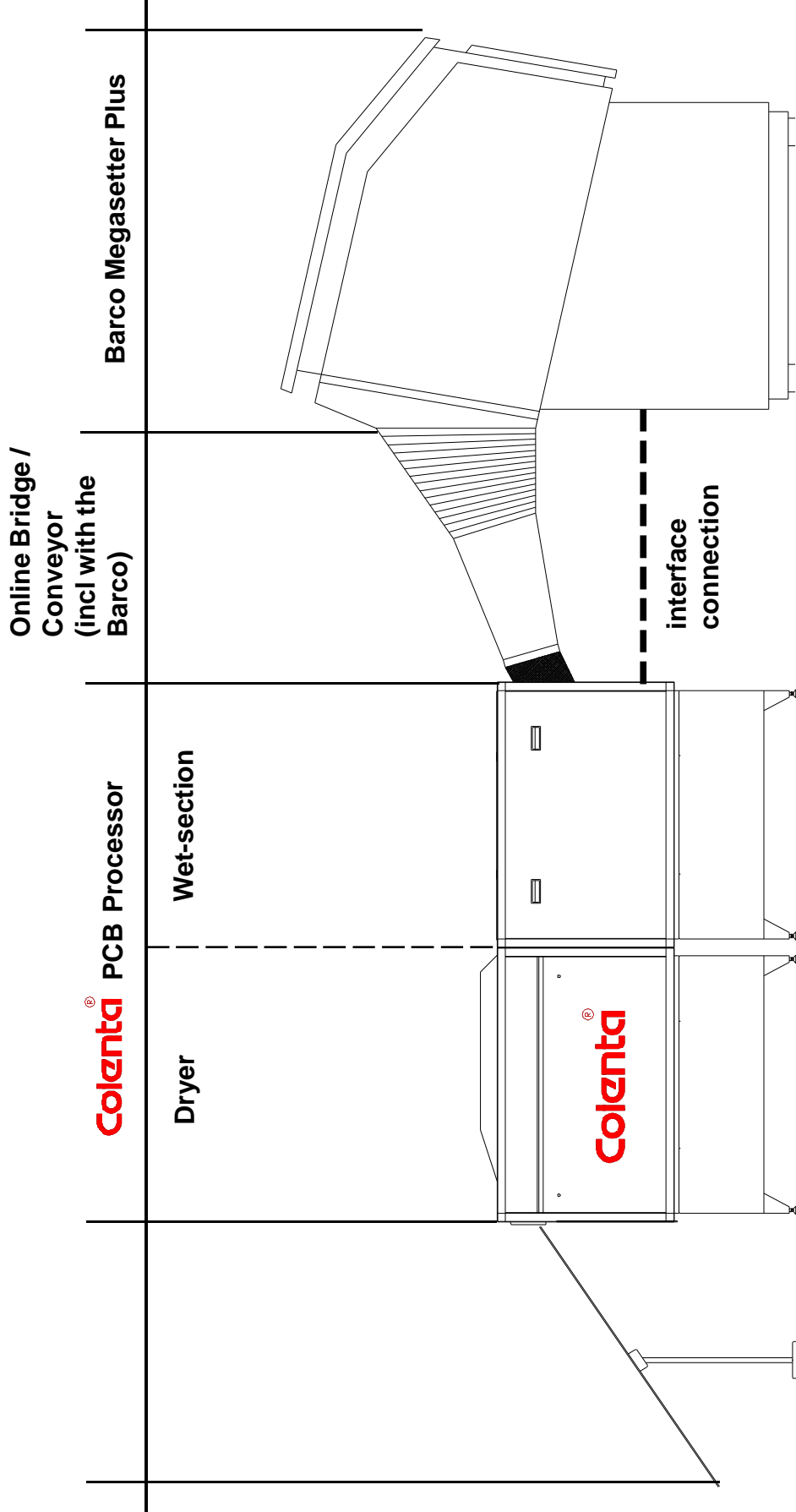
**Optional Accessories:**

- # Chemistry mixer 60 litres
- # Chemistry mixer 100 litres
- # filtration for wash tanks
- # Colenta IMC Isolation Mixing and Storage console 60 litres or 120 litres

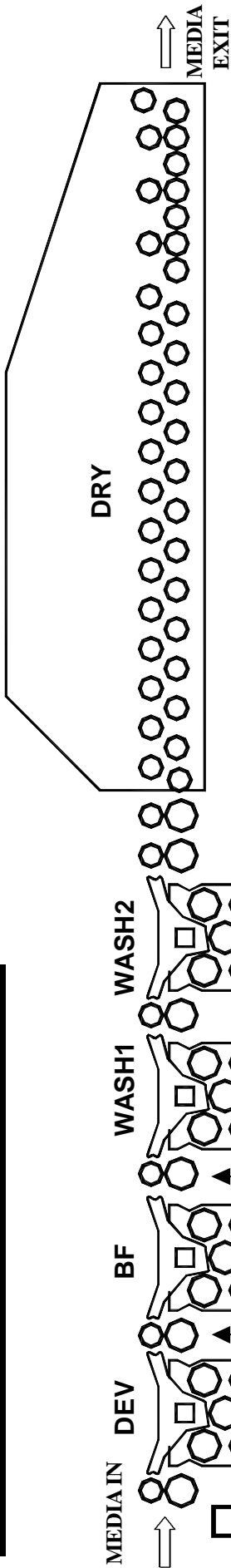
**Technical specification subject to change without notice.**

# System overview:

## Colenta PCB Processor 140 with Barco Megasetter Plus



# Transport system: 140 RA 95 - 4Tank WASH

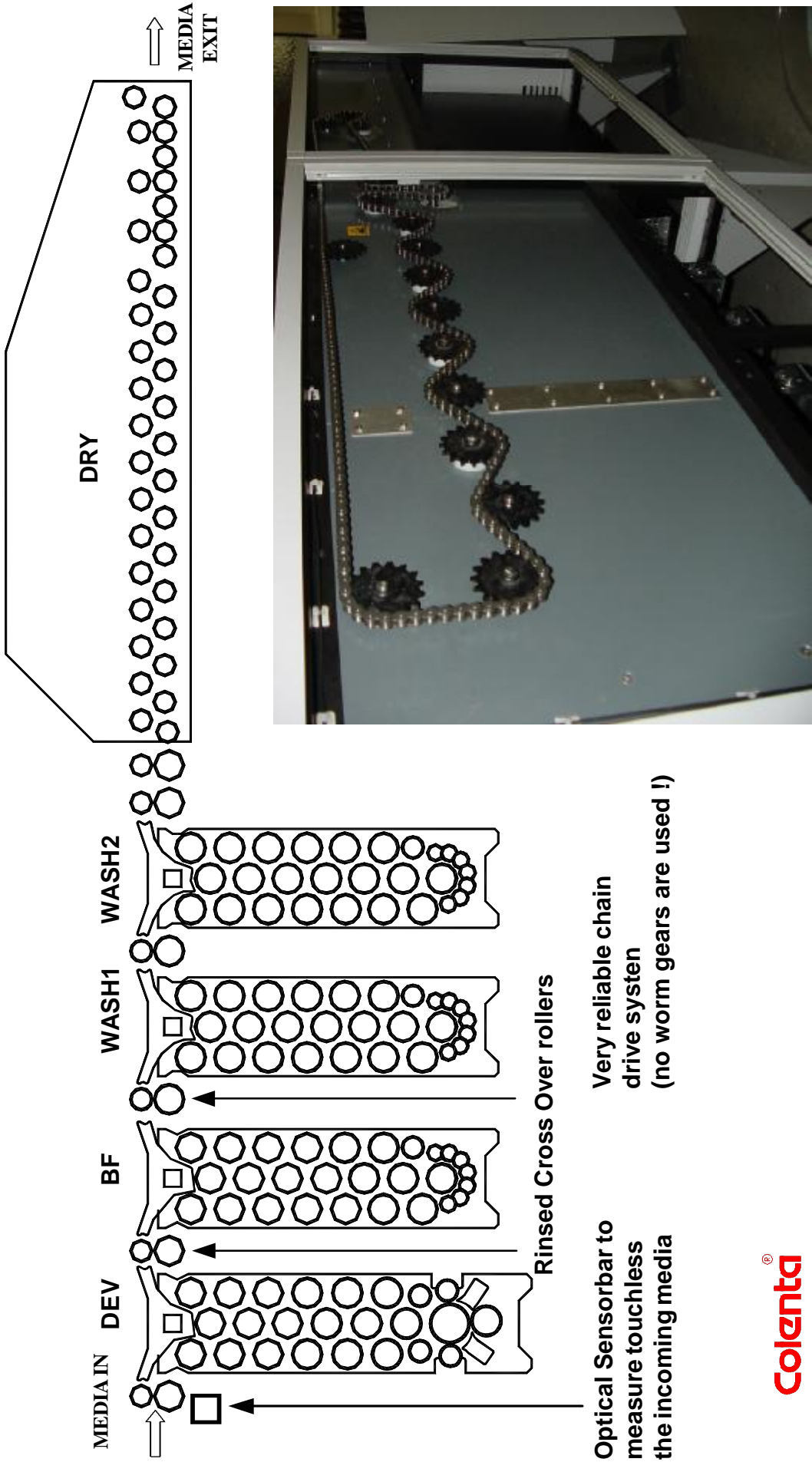


Rinsed Cross Over rollers

Optical Sensorbar to measure touchless the incoming media

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

# Transport system: 140 RA 125 - 4Tank WASH



Optical Sensorbar to measure touchless the incoming media

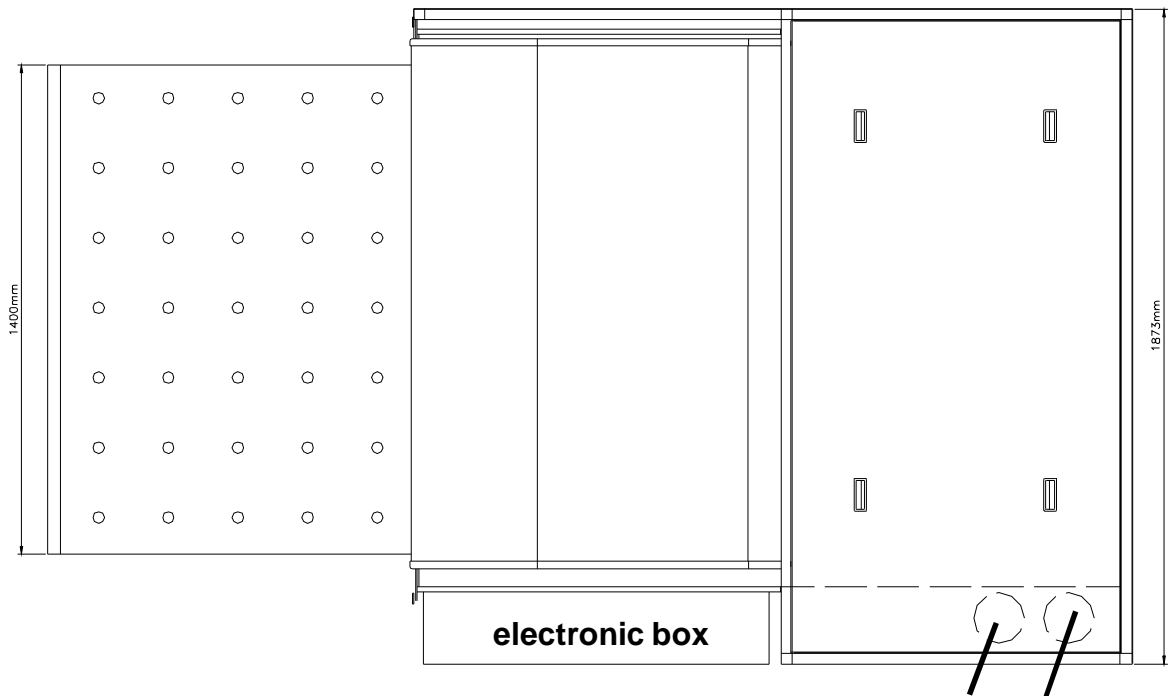
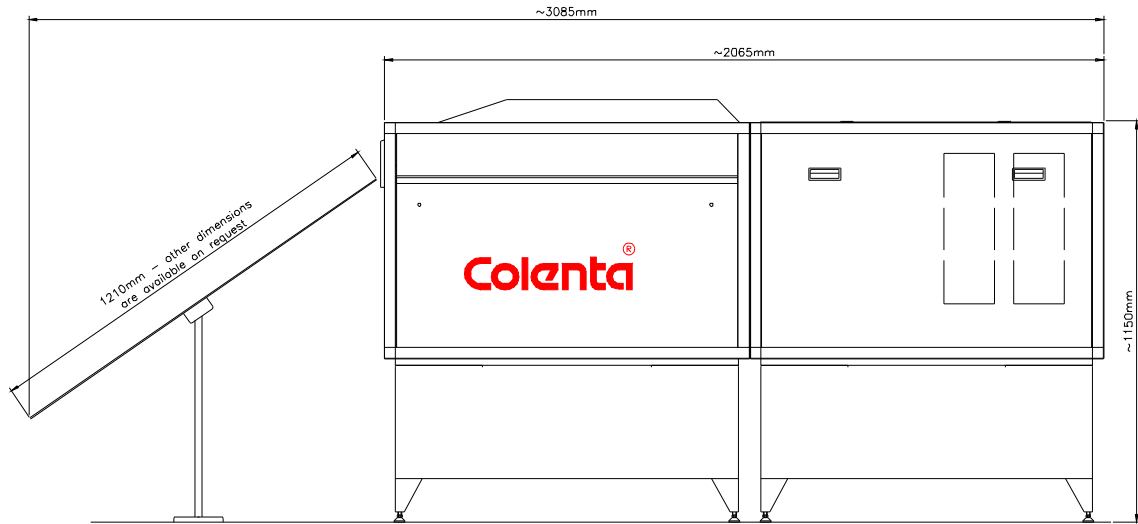
Rinsed Cross Over rollers

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

# DIMENSIONS:

**Colenta<sup>®</sup> PCB 140/95 4Tank**

**Colenta<sup>®</sup> PCB 140/120 4Tank**



Outside filter housings for easy access

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

# Electrical supply:

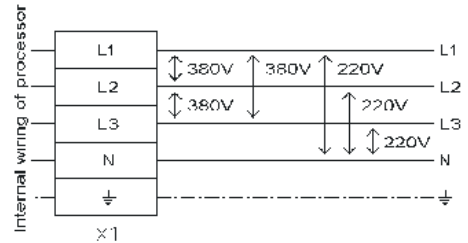
Standard, when 3N~400/230V,  
50/60 Hz supply available

**Total power consumption:**

<b>140 RA 95 4Tank WASH</b>	
.....	<b>14.5 kW</b>
<b>140 RA 125 4Tank WASH</b>	
.....	<b>14.5 kW</b>

**ATTENTION:**

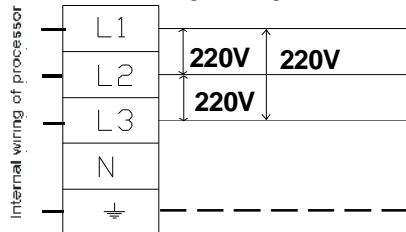
PROCESSOR TO BE CONNECTED TO  
SUPPLY NET: 3N~380/220V 50/60Hz



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

**ATTENTION:**

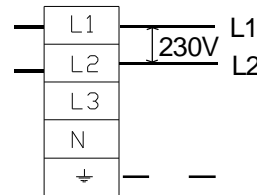
PROCESSOR TO BE CONNECTED TO  
SUPPLY NET: **3 x 220V**



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

**ATTENTION:**

PROCESSOR TO BE CONNECTED TO  
SUPPLY NET **230V** 50/60Hz



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

**Alternative, the processor can be installed using 3x220V 50/60 Hz or Single Phase 230V 56/60Hz supply net - this has to be indicated accordingly when ordering.**

# Details for shipment:

**COLENTA 140 RA 95  
4Tank WASH**

- Pos. 1/3 - 1 COLLO wooden crate  
200 x 184 x 141 - 580 kg gross weight
- Pos. 2/3 - 1 COLLO wooden crate  
200 x 120 x 141 - 300 kg gross weight
- Pos. 3/3 - 1 COLLO wooden crate  
160 x 150 x 114 - 440 kg gross weight

**COLENTA 140 RA 125  
4Tank WASH**

- Pos. 1/3 - 1 COLLO wooden crate  
200 x 200 x 140 - 640 kg gross weight
- Pos. 2/3 - 1 COLLO wooden crate  
200 x 120 x 140 - 320 kg gross weight
- Pos. 3/3 - 1 COLLO wooden crate  
75 x 160 x 115 - 580 kg gross weight