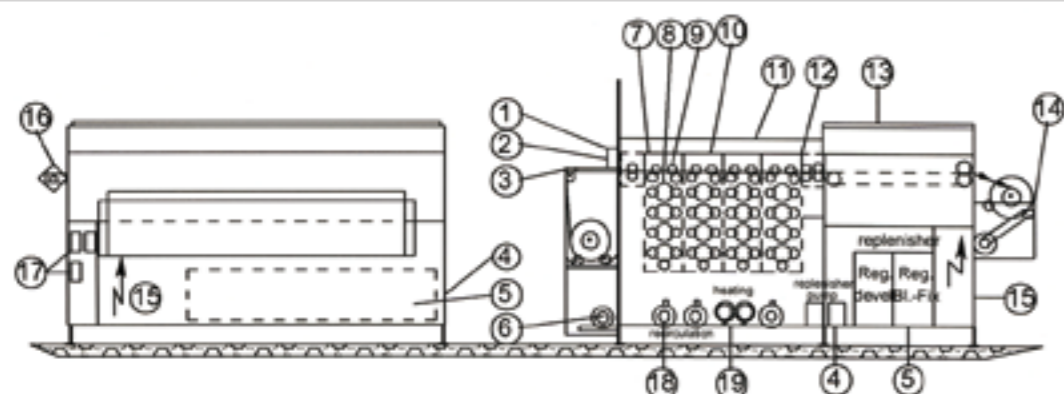


Technical data

Hostert LL



- 1 Infrared scanner, exactly analyzes incoming paper
- 2 Automatic control of water and energy conservation system
- 3 Loading end (height 1100mm)
- 4 Replenishment and dosing unit, easy maintenance and servicing
- 5 Replenishment storage tanks 50 liters with level control
- 6 Variable speed drive motor
- 7 Racks in practical modular construction
- 8 Integrated agitation system for chemical tanks
- 9 Squeegee rollers reduce carry - over to a minimum
- 10 Chemical tanks equipped with all necessary regulating elements for circulation pumps, temperature control, filtration
- 11 Wet section
- 12 Exhaust fan, prevents condensation
- 13 Flow dryer, temperature controlled
- 14 Take - up box for cut sheets and rewind for rolls
- 15 Control box with easy access
- 16 Control stand
- 17 Main switch and temperature controller
- 18 Pumps
- 19 Heaters

Overall width for:

- 60 cm working width: 108 cm
- 90 cm working width: 138 cm
- 140 cm working width: 185 cm
- 200 cm working width: 240 cm

TECHNICAL DATA

Process	Machine type	Net width (cm)	Machine capacity (appr.cm/min.)	Connecting value (appr.kW)	Water consumption (l/min)	Overall length „L“ (m)	Tank (l) volume developer	
Black-and-white Baryte/ Fibre paper	LL 140/45	140	45 at 120 sec. developing time	16,5	15-20	3,54	88	on request with: 4. wash-tank for Selenium 5. wash-tank for wetting agent
Black-and-white	LL 90/70 LL 140/70	90 140	105 at 40 sec. developing time	14,5 16,5	4-8 8-15	2,94 2,94	43 63	on request with: additional stop bath
RA4	LLC 140/67 LLC 140/93 LLC 140/120 LLC 140/147 LLC 140/173 LLC 140/200 LLC 140/240 LL 200/67 LL 200/120 LL 200/147 LL 200/173 LL 200/200 LL 200/240	140 140 140 140 140 140 140 200 200 200 200 200 200	67 93 120 147 173 200 240 67 120 147 173 200 240	12 16,5 16,5 19,5 19,5 19,5 23 15 18 18 18 20 24	4-6 5-7 7-10 10-12 10-12 10-12 10-12 6-9 10-12 10-12 10-12 10-12 12-15	2,69 2,83 2,83 2,83 2,83 2,83 3,73 2,69 3,14 3,44 3,44 3,44 4,04	50 64 78 92 107 121 156 65 104 122 142 162 208	
LINE-film	LL 90/70 LL 140/70	90 140	70 at 60 sec. developing time	14,5 16,5	4-8 8-12	2,94 2,94	43 63	
RA4	LLC 60/67 LLC 60/93 LLC 60/120 LLC 60/147 LLC 60/173 LLC 60/200 LLC 60/240	60 60 60 60 60 60 60	67 93 120 147 173 200 240	5,1 5,1 6,1 6,1 6,1 7,1 7,1	3-5 5-8 7-10 10-12	2,08 2,63 2,63 3,43	19 35 60 78	
RA4	LLC 90/67 LLC 90/93 LLC 90/120 LLC 90/147 LLC 90/173 LLC 90/200 LLC 90/240	90 90 90 90 90 90 90	67 93 120 147 173 200 240	5,1 5,1 6,1 6,1 6,1 7,1 7,1	3-5 5-8 7-10 10-12	2,08 2,63 2,63 3,43	32 54 83 108	



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Information about new HOSTERT PRO developments

New technical features for all roller transport processors LL and digital professional processors

All models equipped for the processing of digital film and paper materials (exposed in Durst Lambda/Epsilon, Océ Lightjet, ZBE Chromira)

Improved Duratrans processing through special developer tank rack processing of „day-and-night“ material

Infrared scanner sensors with no moving elements, combined with high precision.

NEW

LLC 60/RA4

LLC 90/RA4

LLC 140/RA4

Compact photo processor.
 High-quality at a favourable price.



Hostert LL

Hostert LL

Hostert LL

Hostert LL

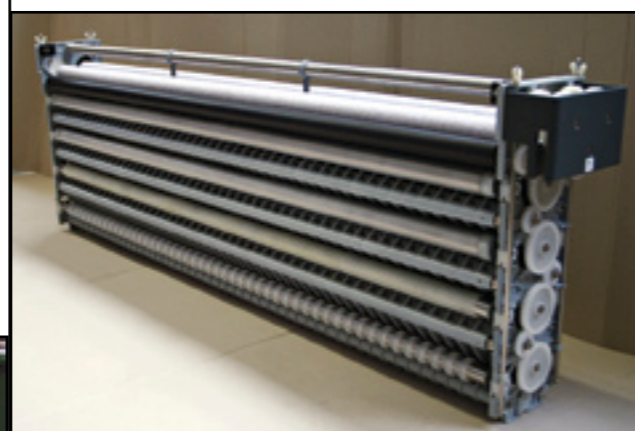
Hostert LL

Hostert Pro past and future

The first chain transport mural processor was manufactured in 1962 by HOSTERT. Since then the HOSTERT name has been closely connected with quality mural processors. Hundreds of HOSTERT LL machines have been manufactured since their market introduction in 1974. Satisfied customers worldwide are proof of the reliability and excellent photographic results. During Photokina 1982 the first processor with a working width of 2m - the LL 200 - was presented to the photographic industry.

The design and construction of such a machine demands first class quality materials. The success of the HOSTERT LL speaks for itself with many leading professional and photofinishing laboratories relying on this machine. Since 1994, HOSTERT PRO GmbH of Bad Marienberg in Westerwald, Germany continues the tradition of design and manufacture of professional photo processors.

The LL is available in many different working widths - LLC60, LLC90, LLC140, LL200 - for all processes and in various working capacities.



- The replenishing volume and tempering can be adjusted separately for each bath. The different developing times for paper and display film can be entered by simply pushing a button.
- The operating and monitoring functions are easy to access on the control center with LCD display. The control functions can be accessed at any time.
- The exact position in the tanks of any paper in the processor is shown on the display while an audible signal indicates when paper is leaving the dryer.
- The control centre can be located at different positions around the machine within a radius of 30 feet. A counter for the dosing cycles enables the exact measuring of the actual replenishment volume while the level of the remaining replenisher solutions can be viewed directly at the storage containers.

- As an option, a monitoring system for the pump pressure, correct functioning of the pumps as well as a level alarm for the storage containers can be supplied.

Maintenance friendly

The tank racks of the LL are built in modular construction and consist of segments which are held together by threaded tie bars with wing nuts. The tank segments can be dismantled and rebuilt without special equipment. The side panels of the tank racks are injection molded and are manufactured on our own premises guaranteeing the precise fitting of the segments.

- The removal of a rack does not require a hoist. When the rack is lifted the top section rises to the surface and can be easily removed. The racks can be dismantled without special tools. All rollers and slide bearings are fitted into each other and can be readily disassembled. A moveable tray for the rack segments is part of the standard equipment. The pumps and tempering units are positioned under the wet section and are easily accessible for servicing.
- The accuracy of the replenishment dosing can be determined by measuring the capacity of one dosing cycle (manual release).

- There are separate drip trays with drainage outlets under the dryer and the wet section.



Efficiency

- The production to price ratio is well balanced especially once a HOSTERT PRO LL has been purchased. Maintenance and service costs are extremely low. Our testimonials prove that the operational safety is very high whereas the fault liability is extremely low.
- The longevity of the LL design is world-renowned. An extensive after sales service with qualified, skilled field engineers and a fast, reliable spare parts service assure our customer's satisfaction and confidence in the product.

Safe transport system

The HOSTERT PRO LL is renowned for its solid construction and robustness even under a heavy workload being able to process rolls and sheets of any length and width with ease, if necessary in a 3-shift operation 7 days per week. As roll paper transports without tracking- several rolls can be processed closely side-by-side simultaneously without any problems.

- The transport system of the LL is ideally configured. The tension of the paper rolls is controlled by the offset rollers in the secondary baths. This guarantees optimum paper tracking and simple operation.

Photographic results

The agitation system with spray nozzles in all intermediate segments of the racks and generously sized magnetic recirculation pumps ensure even distribution of the chemicals- therefore assuring impeccable results. An optional developer tank rack guarantees homogeneous results with laser writer exposures on wide display film rolls as well.

Scratch-free photos with a flawless surface speak for themselves.

- The highly accurate infrared scanner of the replenishment system has a maximum deviation of less than 1%. Together with the dosing system, which is separately adjustable, it can meet even the toughest requirements.

Dryer

- The dryer is efficient and reliably performs at high transport speeds and under extreme conditions, including high humidity and soft water.

The dryer is constructed with a reliable and maintenance free transport system. With its compact construction and energy saving modifications the dryer from Hostert Pro has achieved optimal results. This is based on convection drying with infrared heaters.

Environmentally friendly

The machine is, of course, equipped with water and heat conservation systems. The wash water supply will be automatically turned off without delay if there is no paper in the tank.

All chemical overflows can be individually drained or collected, thus simplifying the recycling or disposal of chemicals.

The energy savings with a heat pump dryer and this electrical connection are considerable.

- The heat pump dryer operates with closed air circulation leaving the surrounding work areas unaffected by heat or humidity.

Operator friendly

Care has been taken to ensure easy handling when loading paper. With this in mind the LL features a loading tray for cut sheets and wide rolls as well as feed supports for rolls up to 24". In addition the LL can load wide and long rolls on cardboard cores with transport spindles from digital laser writers. The take up tray for cut sheets comes with an integrated rewind for rolls and special rewind for wide and long rolls.

