



GL 291 on-line Quasar

GL 361 on-line Herkules Elite/Basic

GL 541 on-line Signsetter Pro

Today an on-line processor is an integrated part of the production environment.

Carnfeldt 

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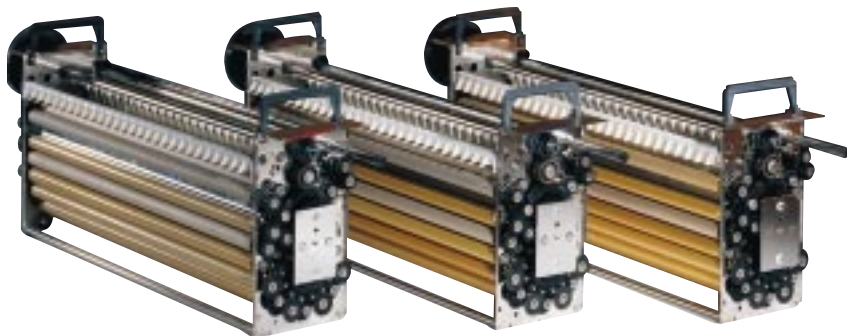
GL 361 On-Line Herkules Elite/Basic

Carnfeldt on-line processors are designed to operate as a complete integrated system with the Heidelberg Prepress imagesetters.

Capacity, even Density and Reliability

The on-line processor has a rack construction which optimizes the production safety and a rack length which enables the imagesetter to run continuously full speed at all times.

The tank capacity of the Carnfeldt on-line processor secures an even density at all times - the last developed film has the same quality as the first produced film, even when the system runs 24 hours.



Racks for on-line processors for Heidelberg Prepress imagesetters

Electronic Control

The electronic communication between the image-setter and the processor ensures an optimum utilization of the capacity of the imagesetter. The processor is equipped with an advanced electronic control system which is simple to operate. The system controls and displays developer and fixer temperatures, replenishment, antioxidation, developing time, low liquid levels and no-feed indication. A power save function automatically reduces power and water consumption after completion of each processing cycle. During nights and weekends, a night mode system reduces consumption further, keeping the processor ready to operate without any delay. A safety level control system will cut off heat and automatically refill each tank if a low liquid level is detected. A special link tells the imagesetter when to feed material and when the processor is ready. The control system informs the operator if an error occurs. Communication status is displayed by LED's on the processor control panel.



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On-Line Benefits

- ✓ First set - first out allows last minute corrections before deadline.
- ✓ No manual cutting between different jobs.
- ✓ No-time consuming handling of take-up cassettes.
- ✓ Work for you 24 hours a day.

Modular Construction

The Carnfeldt processor is of modular construction, which allows you to choose between three different tank capacities. Deep tanks and long rack lengths determine the process speed and contribute to an even density. Installation is easy as the GL processor can be split into two sections, which easily pass through doors, etc.



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Working Environment

The clean design and the low noise level of the processor fit into today's modern working environment. The processor is supplied with an effective exhaust fan for removal of chemical fumes from the conveyor, processor and installation site. The exhaust fan is switched on continuously to prevent chemical fumes travelling through the conveyor into the imagesetter.

Technical Features

The racks are built after the principle "staggered rollers" which has proven to be the most reliable rack construction on the market. The staggered roller configuration of the racks ensures reliable transportation of the film or paper through the processing cycle. The powerful circulation pumps give an even, overall agitation guaranteeing the correct chemical flow over the full emulsion surface. Correct rinsing is accomplished with minimum water consumption and a reliable replenishment system provides fresh chemistry into the baths. The processor has separate developer, fixer and wash drains and is easily adapted for silver recovery systems and water treatment systems. The materials in the on-line processor are easy to clean, which will ensure troublefree processing for many years.

Easy Maintenance

The Carnfeldt processor is easy to maintain. The easy access for regular cleaning ensures a long lifespan and troublefree functioning of the processor.

Technical Specifications

	GL 291 On-Line Quasar	GL 361 On-Line Herkules Elite/ Herkules Basic	GL 541 On-Line Signasetter Pro
Dimensions of on-line system			
Length	305 cm/120"	280 cm/110.2"	304 cm/120"
Width	120 cm/47"	152 cm/59.8"	195 cm/77"
Height	121 cm/48"	110 cm/43.3"	109 cm/43"
Shipping dimensions			
Length	191 cm/75.2"	175 cm/68.9"	191 cm/75.2"
Width	120 cm/47.2"	142 cm/55.9"	185 cm/72.8"
Height	129 cm/50.8"	129 cm/50.8"	129 cm/50.8"
Weight			
Kg net	304 kg/670 lb.	350 kg/772 lb.	550 kg/1213 lb.
Kg gross	400 kg/882 lb.	490 kg/1081 lb.	680 kg/1499 lb.
Specifications			
Inlet width (processor)	75 cm/29.5"	91 cm/36"	135 cm/54"
Tank capacity (racks mounted)	25 l/6.6 US gal.	33 l/8.7 US gal.	45 l/11.9 US gal.
Rack length dev.	44 cm/17.3"	44 cm/17.3"	44 cm/17.3"
Developing time min. - max.	15 - 90 sec.	15 - 90 sec.	15 - 90 sec.
Speed at 30 sec. dev. time	88 cm/min./34.6"/min.	88 cm/min./34.6"/min.	88 cm/min./34.6"/min.
Max. film length off-line	10 m/32.8 ft	10 m/32.8 ft	10 m/32.8 ft
Min. film size off-line	29 x 21 cm/11 x 8"	18 x 10 cm/7 x 4"	18 x 10 cm/7 x 4"
Max. format (set by imagesetter)	52 x 53 cm/20 x 21"	76 x 90 cm/30 x 35"	108 x 170 cm/42 x 67"
Dev./fix./wash temperature range	20 - 45°C/68 - 113°F	20 - 45°C/68 - 113°F	20 - 45°C/68 - 113°F
Exhaust blower	Built in	Built in	Built in
Exhaust connection	Ø 10 cm/4"	Ø 10 cm/4"	Ø 10 cm/4"
Circulation rate dev., fix, wash	22 l/min./5.8 US gal.	22 l/min./5.8 US gal.	22 l/min./5.8 US gal.
Water consumption (operate)	3.5 l/min./0.9 US gal.	3.5 l/min./0.9 US gal.	3.5 l/min./0.9 US gal.
Emission of heat to room (operate)	2300 W/674 BTU/hr	3000 W/879 BTU/hr	3300 W/967 BTU/hr
Water connection	3/4" pipe thread	3/4" pipe thread	3/4" pipe thread
Drain connection	3 x 1" hose nipple	3 x 1" hose nipple	3 x 1" hose nipple
Replenishment containers	Dev./fix. 30 l/8 US gal.	Dev./fix. 30 l/8 US gal.	Dev./fix. 30 l/8 US gal.
Max. power consumption	5600 VA	7900 VA	7900 VA
Average power consumption	4500 W	5700 W	5700 W
Power save	2000 W	3500 W	3500 W
Night mode	1000 W	1100 W	1200 W
Power supply			
1x230ACV+/-10% / 50/60Hz	30 amp	40 amp	40 amp
3x230ACV+/-10% / 50/60Hz	3x16 amp	3x16 amp	3x16 amp
Daylight cassette	-	Option	Built in

Accessories, which can be ordered separately:

- Receiving tray
 - Daylight cassette
 - Drip tray for racks
 - Floor drip tray
 - Rack hoist
- Other accessories on request

Carnfeldt GLP 361 Combi on-line processor for film and polyester plates is available for Herkules Elite/Basic.
Please ask for our separate leaflet.

Specifications are subject to be changed without prior notice and we assume no responsibility for possible errors or omissions in the text.
Actual achievable production speed depends on exposure, film type and chemistry, and the drying capacity is influenced by temperature, humidity, exhaust system and film type.

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