

# ROLAND 700 HiPrint HS

Better and more efficient in high-speed

manroland



## Key figures become racing figures.

Higher speed makes a big difference to your costing: 18,000 sheets per hour catapult the high-performance sheetfed offset press ROLAND 700 HiPrint HS into run length dimensions that have previously been the domain of large-format presses. That is only one of many key figures that put you well ahead of the competition.

**18,000 sheets per hour.** The ROLAND 700 HiPrint HS (High Speed) provides offset printing companies with performance reserves to produce jobs in the medium to high run length segment. Packaging printers in particular, but also industry and advertising printers and general commercial printers with a suitable job structure, benefit from this model.

**QuickChange options.** Various QuickChange options reduce makeready times. QuickChange Air automates air settings in the feeder, printing units and delivery. QuickChange Job automatically adjusts the height of the gripper bars in the transferers and infeed drum. QuickChange Wash is a rapid wash-up system for the inking roller train. QuickChange Surface dramatically reduces the time needed for changing inks. There are many more QuickChange options for saving makeready time.

**autoprint smart.** Into fast series production at the push of one button: autoprint smart features automated production sequences and series printing functions in job preparation to optimize the production workflow. The intelligent interplay of different technologies for makeready time reduction and the self-learning control systems in the press makes job changeover up till the first good sheet much faster. autoprint smart also increases operating comfort by focusing on the essential tasks, and improves a company's ecological balance sheet at the same time.

**Larger sheet size.** The ROLAND 700 HiPrint HS has a maximum sheet size of 740 x 1,050 mm, which provides more space to maximize the number of multiple-up images. This is particularly beneficial for printers of folding cartons, labels, books, or other products outside the DIN A4 format. ■■



# No speed limit.

With the ROLAND 700 HiPrint HS you can produce every job at full speed. Depending on the nature of the substrate, the ROLAND 700 HiPrint HS with up to eight printing units is approved for operation at 18,000 sheets per hour. So, set your backrest in an upright position and enjoy the ride.

**Paper and cardboard.** From 0.04 mm lightweight paper to cardboard and PVC foil up to 1 mm thick, the ROLAND 700 HiPrint HS can process everything that can be stacked in the feeder. In addition, special equipment packages for printing lightweight paper, cardboard and foil are available to increase productivity even further.

**Offset and UV offset.** UV printing is one of the most dynamic growth areas in sheetfed offset. However, the press cannot always be fully utilized with UV jobs. Special equipment is available for the ROLAND 700 HiPrint HS that permits alternating between conventional offset and UV offset operation.

**Inline finishing.** Covering a wide variety of market requirements with one press – this goes well beyond standard CMYK four-color printing. The inline systems for the ROLAND 700 HiPrint HS offer a wide variety of enhancement processes from coating through double coating right up to UV.



**futureproof.** Being prepared for unforeseen developments: that's what futureproof is all about. This of course has nothing to do with clairvoyance but instead with thorough preparation. In order to reduce investment costs for future upgrades, with futureproof all necessary preparation for a wide range of additional equipment can be integrated in a press specified today. ■■



# The perfect start.

There are moments that really count. Sometimes there is no second chance. At the very beginning, everything simply has to work properly. At a speed of 18,000 sheets per hour, each sheet must be taken cleanly from the feeder pile and fed perfectly into the press. Then it's a matter of transporting the sheets from gripper to gripper through the printing units on the ideal line not deviating by even one micron. These are functions in sheetfed offset printing that must work perfectly in order to overtake the competition.

**QuickStart.** The QuickStart press control is a standard feature that, following a stop, accelerates the press up to production speed before engaging the feeder. This achieves almost normal inking in the printing unit and avoids excessive substrate waste.

**Inking and dampening unit.** The ROLAND 700 HiPrint HS features high fidelity, fast and even ink transfer. Ink distributor rollers, ink form rollers and dampening distributor rollers have a large oscillating stroke and counteract the formation of streaks or ghosting, especially in packaging printing.

**Coating and drying.** These days almost 100 percent of all packaging printing and more than 25 percent of all commercial and publications printing are coated. Besides the quality this brings, economy in coating consumption is important as well. manroland coating modules are mature units for inline application of water-based and/or UV coatings. The ROLAND SelectDryer IR/TL Performance with innovative hot air nozzles reduces energy costs.

**Sheet travel.** manroland is a pioneer in the design of transferer technology that provides contact-free sheet transfer between the printing units. This principle is also used for the ROLAND 700 HiPrint HS and has been further refined for high-speed printing.

**Inline quality assurance.** For configurations that run at up to 16,000 sheets per hour, inline quality measuring and control as well as sheet inspection and diversion systems ensure premium printing results. ■■





#### Technical data ROLAND 700 HiPrint HS

Equipment	Basic version	1 coating module incl. extended delivery	2 coating modules incl. extended delivery	Convertible perfecting presses
Sheet size (mm/inch)				
Min.	340 x 480/13.386 x 18.898	340 x 480/13.386 x 18.898	340 x 480/13.386 x 18.898	340 x 480/13.386 x 18.898
Max.	740 x 1,040/29.134 x 40.945	740 x 1,040/29.134 x 40.945	740 x 1,040/29.134 x 40.945	720 x 1,040/28.346 x 40.945
Image area (mm/inch)	715 x 1,020/28.15 x 40.157	715 x 1,020/28.15 x 40.157	715 x 1,020/28.15 x 40.157	715 x 1,020/28.15 x 40.157 700 x 1,020/27.559 x 40.157
<b>Max. printing speed, sheets/h (depending on inks, coatings, and substrates used)</b>				
In straight printing mode	18,000 for up to 8 printing units	18,000 for up to 7 printing units	18,000 for up to 6 printing units	16,000 for up to 8 printing units
In perfecting mode				13,200 for up to 11 printing units

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