

# ROLAND 700



## Technical Data

### Sheet output max. (sheets/h)

16,000 (Single side printing)  
12,000 (Perfecting printing)

### Max. sheet format (mm)

740 x 1,040

### Max. printing area (mm)

715 x 1,020

### Stock thickness range (mm)

0.04 to 1.0

## ROLAND 700

### The model for maximum performance

The modern design concept of the ROLAND 700 with double-diameter impression cylinders and transferers is excellently suitable for all printing stock thickness between 0.04 and 1 mm.

Many advanced solutions, which set the standard for medium formats, contribute to the excellent printing quality of the ROLAND 700.

On top of that, a number of options for configurations are available, coupled with innovative detailed solutions:

Perfect printing presses with single drum application, inline coating with one or two coating modules and QuickChangeCoating, individually configured solutions for the Seccomatic Blue drying system.

New

- ROLAND 700 ULTIMA with coating and two drying modules for high quality inline applications with opaque white, metallic or iriodin coating.
- [ROLAND 700 QuickChange](#)  
[ROLAND 700 QuickChange™](#)

The high-end version of the ROLAND 700 with inovative solutions for shorter make-ready times, more effective reduction of waste sheets and increase of productivity.

The most important features:

- Remote controlled front lays with storable adjustment data: shorter make-ready time if repeat jobs have to be printed
  - Remote air volume adjustment for the infeed area, for impression cylinder blast air devices and for the AirGlide delivery: for optimized sheet travel from start-up
  - Optimized, smoother sheet alignment area: advantageous for sheet travel of stiff substrates
  - Automated gripper height adjustment for all transferers and for the infeed drum: impressive shortage of make-ready time if substrate thickness has to be changed
  - Optimized inking unit with threefold adjustment of ink transport direction: increased number of applications for the use of different inks and printing forms
  - Time-phased ink transfer roller engagement with special start-up sequence after start of print: faster achievement of stabilized printing conditions
  - New clamping system for coating module: highly reduced make-ready time if coating plates (for spot coating) have to be changed to blankets (for solid coating)
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- [Innovative inline functions](#)

### **Innovative inline functions**

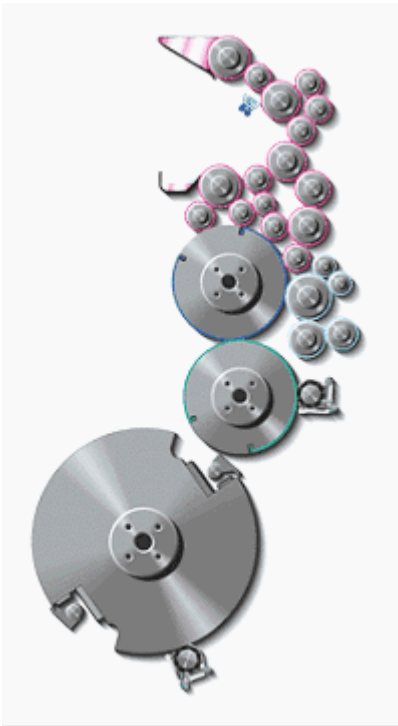
- ROLAND InlineObserver: visual control of sheet travel by the use of a camera control system
- ROLAND InlineEmbossing: High or deep embossing with the coating module
- ROLAND InlineInspector EagleEye: Coupling with the waste sheet diverting system ROLAND InlineSorter/Coupling with UV-interdeck drying system

### **The most important equipment details**

- Double-diameter impression cylinders and transferer
- Automatic settings for the format
- Suction feed board and pneumatic side guides
- Sheet slowing down

- [Printing unit](#)

- Additional longitudinal shaft drive
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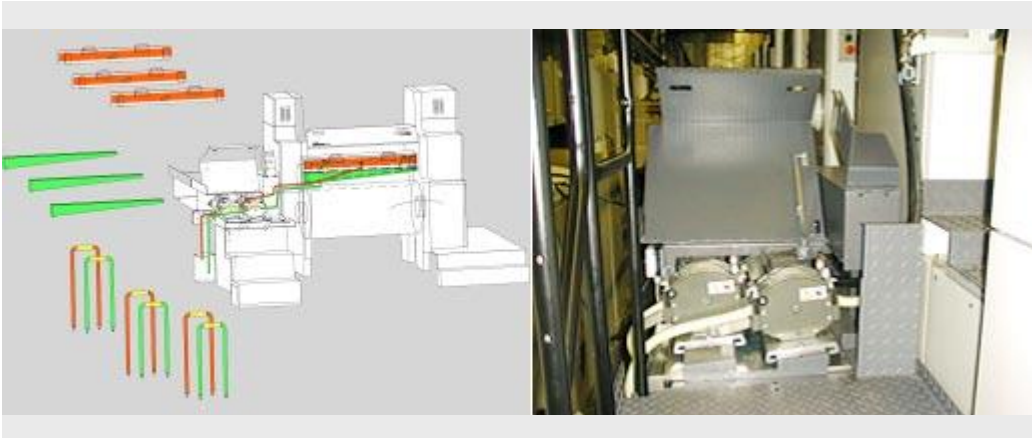


## ROLAND 700

### Printing unit

- Double-diameter impression cylinders and transferer (touchless printed sheet transfer)
- Diagonal register corrections via transferer position correction
- Ventilator tracks can be set from the control console and settings can be stored
- Ink slide technology without side-effects
- Special speed compensation for the inking unit
- Low Coverage Stabilisation LCS optional
- Inking unit separation in case of interruptions during printing
- Commencement of the distribution from the control console and settings can be stored
- Centrally managed setting for the axial play of ink form rollers
- Optional inking unit temperature control device
- Program-controlled inking roller wash-up device
- Delta effect can be activated during the print run
- Automated plate changing PPL, fully automatic version of APL as an option
- Rear plate tensioning bar with 7 segments for specific register corrections in the rear area of sheet
- Program-controlled blanket wash-up device, brush type or close type (for presses with perfecting drum only brush type device available)
- Automatic printing pressure adjustment
- Optional impression cylinder wash-up device

- [Optional coating module\(s\)](#) with quick change coating



## ROLAND 700

### Coating module

- Chambered doctor blade system
- One set of Quick Change Coating included in all modules (enclosed blade, overrunning tray, 2 hose-pipe pumps, coating feed and drain pipe)
- QuickChangeCoating freely expandable with additional sets
- Coating form cylinder wash-up device (option)
- Additional individual printing pressure adjustment on drive side between coating form and impression cylinder
- Automated coating circulation rinsing (option)
- Print form cleaning unit for coating form (option)
  
- Optional InlineSorter for single side presses and presses with sheet reversal: for a safe nonstop-operation without speed limit and waste free delivery pile
- Optional delivery with automated nonstop operation device (linked to the InlineSorter System)
- AirGlide delivery
- Digital press control
- Linking to PECOM process electronic system
- Inking control system RCI
- New control console generation PECOM ColorPilot