

PRINTING UNITS, DIMENSIONS AND DETAILS

ROLAND 700 HiPrint HS				
Equipment	Basic version	1 coating module incl. extended delivery	2 coating modules incl. extended delivery	Convertible perfecting presses
Printing units	4–8 9–10 ¹	4–7 8–10 ¹	4–6 7–10 ¹	– 4–12 ¹
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 1,050/29.134 x 40.945	740 x 1,050/29.134 x 40.945	740 x 1,050/29.134 x 40.945	720 x 1,040/28.346 x 40.945 ²
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 ³ 700 x 1,020/27.559 x 40.157 ²
Substrate thickness standard (mm/inch)	0.04–1.00/0.0016–0.039 ⁴	0.04–1.00/0.0016–0.039 ⁴	0.04–1.00/0.0016–0.039 ⁴	0.06–0.6/0.0024–0.0236 ³ 0.06–0.4/0.0024–0.0157
Pile height incl. pallet feeder (mm/inch)	1,320/51.969	1,320/51.969	1,320/51.969	1,320/51.969
Feeder pile weight (kg)	2,200	2,200	2,200	2,200
Pile height incl. pallet delivery (mm/inch)	1,225/48.228	1,225/48.228	1,225/48.228	1,225/48.228
Delivery pile weight (kg)	2,070	2,070	2,070	2,070
Length/width/height (mm/inch)				
4 printing units (mm)	10,533 x 3,602 x 2,137	13,541 x 3,602 x 2,137	17,081 x 3,602 x 2,137	10,533 x 3,602 x 2,137
4 printing units (inch)	414.685 x 141.811 x 84.134	533.11 x 141.811 x 84.134	672.48 x 141.811 x 84.134	414.685 x 141.811 x 84.134
5 printing units (mm)	11,713 x 3,602 x 2,137	14,721 x 3,602 x 2,137	18,261 x 3,602 x 2,137	11,713 x 3,602 x 2,137
5 printing units (inch)	461.142 x 141.811 x 84.134	579.567 x 141.811 x 84.134	718.937 x 141.811 x 84.134	461.142 x 141.811 x 84.134
6 printing units (mm)	12,893 x 3,602 x 2,137	15,901 x 3,602 x 2,137	19,441 x 3,602 x 2,137	12,893 x 3,602 x 2,137
6 printing units (inch)	507.598 x 141.811 x 84.134	626.024 x 141.811 x 84.134	765.394 x 141.811 x 84.134	507.598 x 141.811 x 84.134
7 printing units (mm)	14,073 x 3,602 x 2,137	17,081 x 3,602 x 2,137	20,621 x 3,602 x 2,137	14,073 x 3,602 x 2,137
7 printing units (inch)	554.055 x 141.811 x 84.134	672.48 x 141.811 x 84.134	811.85 x 141.811 x 84.134	554.055 x 141.811 x 84.134
8 printing units (mm)	15,253 x 3,602 x 2,137	18,261 x 3,602 x 2,137	21,801 x 3,602 x 2,137	15,253 x 3,602 x 2,137
8 printing units (inch)	600.512 x 141.811 x 84.134	718.937 x 141.811 x 84.134	858.307 x 141.811 x 84.134	600.512 x 141.811 x 84.134
9 printing units (mm)	16,433 x 3,602 x 2,137	19,441 x 3,602 x 2,137	22,981 x 3,602 x 2,137	16,433 x 3,602 x 2,137
9 printing units (inch)	646.969 x 141.811 x 84.134	765.394 x 141.811 x 84.134	904.764 x 141.811 x 84.134	646.969 x 141.811 x 84.134
10 printing units (mm)	17,613 x 3,602 x 2,137	20,621 x 3,602 x 2,137	24,161 x 3,602 x 2,137	17,613 x 3,602 x 2,137
10 printing units (inch)	693.425 x 141.811 x 84.134	811.85 x 141.811 x 84.134	951.22 x 141.811 x 84.134	693.425 x 141.811 x 84.134
11 printing units (mm)	–	–	–	18,793 x 3,602 x 2,137
11 printing units (inch)	–	–	–	739.882 x 141.811 x 84.134
12 printing units (mm)	–	–	–	19,973 x 3,602 x 2,137
12 printing units (inch)	–	–	–	786.339 x 141.811 x 84.134
Max. printing speed, sheets/h (depending on inks, coatings, and substrates used)				
In straight printing mode	18,000 for up to 8 printing units ⁵	18,000 for up to 7 printing units ⁵	18,000 for up to 6 printing units ⁵	18,000 for up to 8 printing units ⁵
In perfecting mode	–	13,200 for up to 10 printing units ⁵	13,200 for up to 9 printing units ⁵	13,200 for up to 11 printing units ⁵
Noise emissions (sound pressure level⁶ in dB(A))				
At the main workplaces:	< 84			
Low emission-certified version ⁷ :	< 82			

¹ Deviating maximum speeds ² In perfecting mode ³ In straight printing mode ⁴ Depending on options package ⁵ Deviating speed beyond that
⁶ The sound power levels are configuration-dependent ⁷ On request

Some of the functions described above are options and not standard equipment for the ROLAND 700 HiPrint HS. They can be combined to provide customer-specific configurations in accordance with the valid options price list. The ROLAND 700 HiPrint HS is subject to continuing development. Experience gained in practice and the results of research flow into product design. It is therefore in your interest that we reserve the right to make design and specification changes. Only the written Confirmation of Order is binding. The contents of this document, in particular brand names, logos and texts, are the property of manroland, unless otherwise identified, and are protected by law. Reproduction or utilization of this document as well as the communication of its content to others without explicit written authorization by manroland is prohibited. A civil action will be brought against offenders. All rights are reserved in the event of the granting of patents, utility models or designs.



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If you have an Internet-capable mobile phone with a camera function, you can get further and updated information via UpCode. Use the browser of your mobile phone to go to www.upcode.fi from where you can install UpCode. Once you have installed the program aim your camera at the UpCode shown here and photograph it, or alternatively you can tap in the number series below the code. UpCode usage is free of charge; all you need to pay are the connection charges of your mobile phone services provider. You can get further information about UpCode via the code shown here or from upcode@manroland.com

EQUIPMENT

Printing units	4	5	6	7	8	9	10	11	12
Suction tape table with sheet slowdown	■	■	■	■	■	■	■	■	■
Automatic settings for format and substrates	■	■	■	■	■	■	■	■	■
Register control for circumferential, lateral and diagonal register	■	■	■	■	■	■	■	■	■
Remote inking control	■	■	■	■	■	■	■	■	■
Automatic inking couple separation when production is interrupted	■	■	■	■	■	■	■	■	■
Central adjustment of axial play in the ink form rollers	■	■	■	■	■	■	■	■	■
Speed compensation for inking units and dampening units	■	■	■	■	■	■	■	■	■
Remote adjustment of the ink distribution time	■	■	■	■	■	■	■	■	■
Ceramic-coated dampening rollers	■	■	■	■	■	■	■	■	■
Plate cylinder undercut of 0.15 mm	■	■	■	■	■	■	■	■	■
Automatic inking roller washing device	■	■	■	■	■	■	■	■	■
Automatic blanket washing device	■	■	■	■	■	■	■	■	■
Automated plate change PPL™	■	■	■	■	■	■	■	■	■
Fully-automatic plate change APL™	□	□	□	□	□	□	□	□	□
Visually controllable sheet travel in the AirGlide delivery (not with UV)	■	■	■	■	■	■	■	■	■
Enhanced plate, blanket and printing cylinders	■	■	■	■	■	■	■	■	■
QuickStart, re-start with fewer waste sheets	■	■	■	■	■	■	■	■	■
QuickChange Job, automatic start-up sequence	■	■	■	■	■	■	■	■	■
QuickChange Surface, special ink fountain coating for fast wash-ups	■	■	■	■	■	■	■	■	■
QuickChange Wash, fast wash-up program for the inking unit	■	■	■	■	■	■	■	■	■
QuickChange Air, automatic air setting	□	□	□	□	□	□	□	□	□
QuickChange Clamp, fast coating form changeover	□	□	□	□	□	□	□	□	□
QuickChange Coating, fast coating changeover	□	□	□	□	□	□	□	□	□
QuickChange Transferter, automatic gripper height adjustment	□	□	□	□	□	□	□	□	□
QuickChange Color, ink flow direction change and modified start sequence	□	□	□	□	□	□	□	□	□
Automatic suction ring positioning	□	□	□	□	□	□	□	□	□
TelePresence – Remote Diagnosis and Maintenance Manager	■	■	■	■	■	■	■	■	■
ROLAND SelectAirStation, air supply cabinet with frequency-regulated blowers	■	■	■	■	■	■	■	■	■
ROLAND InlineSheeter, web cross cutter for processing web ware	□	□	□	□	□	□	□	□	□
ROLAND InlineObserver, sheet travel monitoring system	□	□	□	□	□	□	□	□	□
ROLAND InlineInspector, sheet inspection system (max. 17,000 s/h)	□	□	□	□	□	□	□	□	□
ROLAND InlineSorter, sheet extraction system (max. 16,000 s/h)	□*	□*	□*	□*	□*	□*	□*	□*	□*
Disengageable inking and dampening units	□	□	□	□	□	□	□	□	□
Manual nonstop device for feeder and delivery	□	□	□	□	□	□	□	□	□
ColorPilot, color measurement and control system	□	□	□	□	□	□	□	□	□
ColorPilot plus, color measurement and control system	□	□	□	□	□	□	□	□	□
ROLAND InlineColorPilot, inline color measurement and control system	□	□	□	□	□	□	□	□	□
Inking unit temperature control	□	□	□	□	□	□	□	□	□
Sheet perfecting device	□*	□*	□*	□*	□*	□*	□*	□*	□*
Automatic printing cylinder washing device	□	□	□	□	□	□	□	□	□
Coating module with screen roller and chambered doctor blade	□	□	□	□	□	□	□	□	□
Double-coating module with screen roller, chambered doctor blade and transfer modules	□	□	□	□	□	□	□	□	□
printnet networking	□	□	□	□	□	□	□	□	□
ROLAND SelectDryer Performance, high-speed dryer	□	□	□	□	□	□	□	□	□
futureproof, a modular concept for future upgrades	□	□	□	□	□	□	□	□	□
autoprint smart, a modular concept for automated printing	□	□	□	□	□	□	□	□	□
Comfort package for press control console (PressPilot)	□	□	□	□	□	□	□	□	□
Raised foundation (press installed on plinth)	□	□	□	□	□	□	□	□	□
Performance Package Lightweight Paper	□	□	□	□	□	□	□	□	□

■ = Standard □ = Option * Dependent on press configuration
 This table contains a selection of important equipment items.