

PRINTING UNITS, DIMENSIONS AND DETAILS

| ROLAND 500 | | |
|---|--|--|
| Equipment | Without coating module | With coating module and extended delivery |
| Printing units | 2-12 | Single-coater 2-12 Double-coater 4-8 |
| Max. printing speed (sheets/h) Straight printing (standard/option) | 16,000/18,000* | 16,000/18,000* |
| Max. printing speed (sheets/h) Perfecting (standard/option) | 15,000 | 15,000 |
| Sheet size Min. (mm/inch) standard; option | 260 x 400/10.2 x 15.8; 210 x 280/ 8.3 x 11.0 | 260 x 400/10.2 x 15.8; 210 x 280/ 8.3 x 11.0 |
| Max. (mm/inch) standard; option | 530 x 740/20.9 x 29.1; 590 x 740/23.2 x 29.1 | 530 x 740//20.9 x 29.1; 590 x 740/23.2 x 29.1 |
| Max. image area Straight printing (mm/inch) standard; option | 520 x 740/20.5 x 29.1; 580 x 740/22.8 x 29.1 | 520 x 740/20.5 x 29.1; 580 x 740/22.8 x 29.1 |
| Perfecting (mm/inch) standard; option | 510 x 740/20.1 x 29.1; 570 x 740/22.4 x 29.1 | 510 x 740/20.1 x 29.1; 570 x 740/22.4 x 29.1 |
| Stock thickness Straight printing (mm/inch) standard; option | 0.06 - 0.6/0.002 - 0.024; 0.04** - 1.00**/0.0016 - 0.039 | 0.06 - 0.6/0.002 - 0.024; 0.04** - 1.00**/0.0016 - 0.039 |
| Perfecting (mm/inch) standard; option | 0.06 - 0.6/0.002 - 0.024; 0.04** - 0.6/0.0016 - 0.024 | 0.06 - 0.6/0.002 - 0.024; 0.04** - 0.6/0.0016 - 0.024 |
| Feeder pile height (mm/inch) | 1,050/41.3 incl. pallet opt. plinth + 240/9.4 or 480/18.9 | 1,050/41.3 incl. pallet opt. plinth + 240/9.4 or 480/18.9 |
| Delivery pile height (mm/inch) | 1,080/42.5 incl. pallet opt. plinth + 240/9.4 or 480/18.9 | 1,080/42.5 incl. pallet opt. plinth + 240/9.4 or 480/18.9 |
| Length***/width/height (mm/inch) | | |
| 2 printing units | 6,004 x 3,612 x 2,140/236.4 x 142.2 x 84.3 | 9,066 x 3,612 x 2,140/357.0 x 142.2 x 84.3 |
| 4 printing units | 7,914 x 3,612 x 2,140/311.6 x 142.2 x 84.3 | 10,965 x 3,612 x 2,140/431.7 x 142.2 x 84.3 |
| 5 printing units | 8,868 x 3,612 x 2,140/349.1 x 142.2 x 84.3 | 11,930 x 3,612 x 2,140/469.7 x 142.2 x 84.3 |
| 6 printing units | 9,823 x 3,612 x 2,140/386.7 x 142.2 x 84.3 | 12,885 x 3,612 x 2,140/507.3 x 142.2 x 84.3 |
| 7 printing units | 10,720 x 3,612 x 2,140/422.0 x 142.2 x 84.3 | 13,597 x 3,612 x 2,140/535.3 x 142.2 x 84.3 |
| 8 printing units | 11,675 x 3,612 x 2,140/459.6 x 142.2 x 84.3 | 14,534 x 3,612 x 2,140/572.2 x 142.2 x 84.3 |
| 9 printing units | 12,688 x 3,612 x 2,140/499.5 x 142.2 x 84.3 | 15,489 x 3,612 x 2,140/609.8 x 142.2 x 84.3 |
| 10 printing units | 13,643 x 3,612 x 2,140/537.1 x 142.2 x 84.3 | 16,444 x 3,612 x 2,140/647.4 x 142.2 x 84.3 |
| 11 printing units | 14,598 x 3,612 x 2,140/574.7 x 142.2 x 84.3 | 17,399 x 3,612 x 2,140/685.0 x 142.2 x 84.3 |
| 12 printing units | 15,553 x 3,612 x 2,140/612.3 x 142.2 x 84.3 | 18,354 x 3,612 x 2,140/722.6 x 142.2 x 84.3 |
| Weight**** (kg) | | |
| 2 printing units | 14,300 | 19,100 |
| 4 printing units | 22,500 | 27,300 |
| 5 printing units | 26,600 | 31,400 |
| 6 printing units | 30,700 | 35,500 |
| 7 printing units | 35,700 | 40,800 |
| 8 printing units | 40,100 | 44,900 |
| 9 printing units | 44,200 | 49,300 |
| 10 printing units | 48,600 | 53,400 |
| 11 printing units | 52,700 | 57,500 |
| 12 printing units | 56,800 | 61,600 |

* Maximum speed depends on configuration ** Stock thickness depends on configuration *** Standard equipment, see binding sizes on the machine plans
**** Excl. pumps and steps

Some of the functions described above are options and not standard equipment for the ROLAND 500. They can be combined to provide customer-specific configurations in accordance with the valid options price list. The ROLAND 500 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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EQUIPMENT

| Printing units | 2/4/5/6/7/8/10 | | | | | | | | | |
|---|----------------|----|----|----|----|----|----|-----|--------|-----|
| | 2P | 4P | 5P | 6P | 7P | 8P | 9P | 10P | 11P | 12P |
| Suction feedboard with sheet slowdown | | | | | | | | | ■ | |
| Manual format adjustment in feeder and delivery | | | | | | | | | ■ | |
| Automatic stock thickness adjustment in feeder and delivery | | | | | | | | | ■ | |
| Remote-controlled circumferential, lateral and diagonal register | | | | | | | | | ■ | |
| Remote inking control | | | | | | | | | ■ | |
| Central control for lateral inking roller oscillation | | | | | | | | | ■ | |
| Speed-compensated inking and damping units | | | | | | | | | ■ | |
| Ceramic-clad water fountain roller | | | | | | | | | □ | |
| Manual inking roller washing device | | | | | | | | | ■ | |
| EPL™ – automated plate changing in printing units | | | | | | | | | ■ | |
| Two-piece rear plate clamp | | | | | | | | | ■ | |
| AirGlide delivery | | | | | | | | | ■ | |
| Premium coated plate, blanket and impression cylinder surfaces | | | | | | | | | ■ | |
| Printing with bearer ring contact | | | | | | | | | ■ | |
| ROLAND InlineObserver | | | | | | | | | □ | |
| ROLAND InlinePerfector with OptiPrint-Jackets | | | | | | | | | □ | |
| ROLAND InlineFoiler Prindor | | | | | | | | | □ | |
| Premium Paper, stock thickness from 0.04 mm/0.002 inch | | | | | | | | | □* | |
| Premium Board, stock up to 1.00 mm/0.039 inch | | | | | | | | | □* | |
| Premium Speed, printing speed up to 18,000 sheets/h | | | | | | | | | □* | |
| Premium Plate Change PPL™, highly-automated plate changing system | | | | | | | | | □* | |
| Premium Format Change, automatic format adjustment in the press | | | | | | | | | □* | |
| Premium Operating Comfort, advanced operating and adjustment possibilities at the press | | | | | | | | | □* | |
| Premium Wash, automatic inking roller and blanket washers | | | | | | | | | □*** | |
| Premium Control Desk, advanced operating comfort color matching desk | | | | | | | | | □* | |
| Premium Inking, extra functions, when more than the standard is desired | | | | | | | | | □* | |
| ProfitPlus-1-Package | | | | | | | | | □ | |
| ProfitPlus-2-Package | | | | | | | | | □ | |
| QuickChange Surface, for quicker ink changing without consumable materials | | | | | | | | | ■ | |
| QuickChange Job, for quicker job change, incl. de-inking and inking-up | | | | | | | | | ■ | |
| QuickChange Infeed, automatic sidelay, frontlay and lay hood adjustments | | | | | | | | | ■ | |
| QuickChange Coating, highly-automated coating changeover (chambered doctor blade system, type of coating, cleaning) | | | | | | | | | □ | |
| Coating PPL™ – highly-automated coating form change in the coating unit | | | | | | | | | □ | |
| Format 0B plus | | | | | | | | | □ | |
| Non-stop equipment feeder (manual) automated delivery | | | | | | | | | □ | |
| ColorPilot color control system | | | | | | | | | □*** | |
| ROLAND SelectInktempSystem – inking unit temperature control**** | | | | | | | | | □ | |
| ROLAND SelectCleaningSystem – automatic impression cylinder washing device in the printing unit | | | | | | | | | □ | |
| ROLAND SelectCleaningSystem – automatic impression cycle washing installation in the coating unit | | | | | | | | | □ | |
| ROLAND SelectCleaningSystem – automatic form cylinder washing installation in the coating unit | | | | | | | | | □ | |
| Washing agent alternation | | | | | | | | | □ | |
| Inking roller washing device with special cleaner (no more washing paste!) | | | | | | | | | □ | |
| Coating unit with chambered doctor blade system and anilox roller | | | | | | | | | □ | |
| ROLAND SelectCoattempSystem – coating conditioning | | | | | | | | | □ | |
| Double coating unit with chambered doctor blade system, anilox roller and transfer modules | | | | | | | | | □***** | |
| Plinth (240 mm/9.45 inch or 480 mm/18.9 inch) | | | | | | | | | □ | |
| printnet network | | | | | | | | | □ | |
| ROLAND SelectDryer – drying systems for end-of-press and interdeck drying (IR, IR/hot-air, IR/hot-air/UV, UV) | | | | | | | | | □ | |
| TelePresence, optional with Maintenance Manager | | | | | | | | | □ | |
| Comfort package rainbow printing | | | | | | | | | □ | |
| ROLAND SelectInkSupply – automatic ink supply system Inkline | | | | | | | | | □ | |
| ROLAND SelectInkAgitator – automatic ink agitating system Inkmove | | | | | | | | | □ | |
| Intercom system | | | | | | | | | □ | |
| QuickStart | | | | | | | | | □ | |

■ = Standard □ = Option

* Standard with ProfitPlus-2-package ** Standard with ProfitPlus-1-package *** Available in the configurations smart, D, D+F, D plus and D+F plus **** Available configuration-related as CAN Open Version

***** Except for 2/2P/9/9P/10/10P/11P/12P configurations

The table contains a selection of important equipment details. Further information and special configurations on request.