



pⁿ printnet[®]
a trademark of manroland

Quality Management and Press Management

manroland

printnet makes your printing system ultra-efficient. Optimize your processes, increase your quality, and boost your profitability.

printnet Quality Management

Give it 100%: outstanding quality is a prerequisite for the customer coming back and not the goods and not the job you were doing for him. This is why manroland focuses on faultless printing production with its color measuring and control systems, sheet inspection, and other solutions for standardization in offset printing. With printnet Quality Management, you achieve the highest printing quality and considerably reduce makeready time and waste sheets.

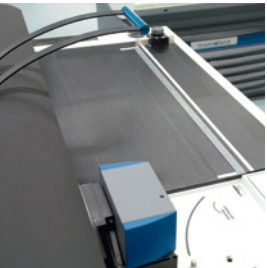
printnet Press Management

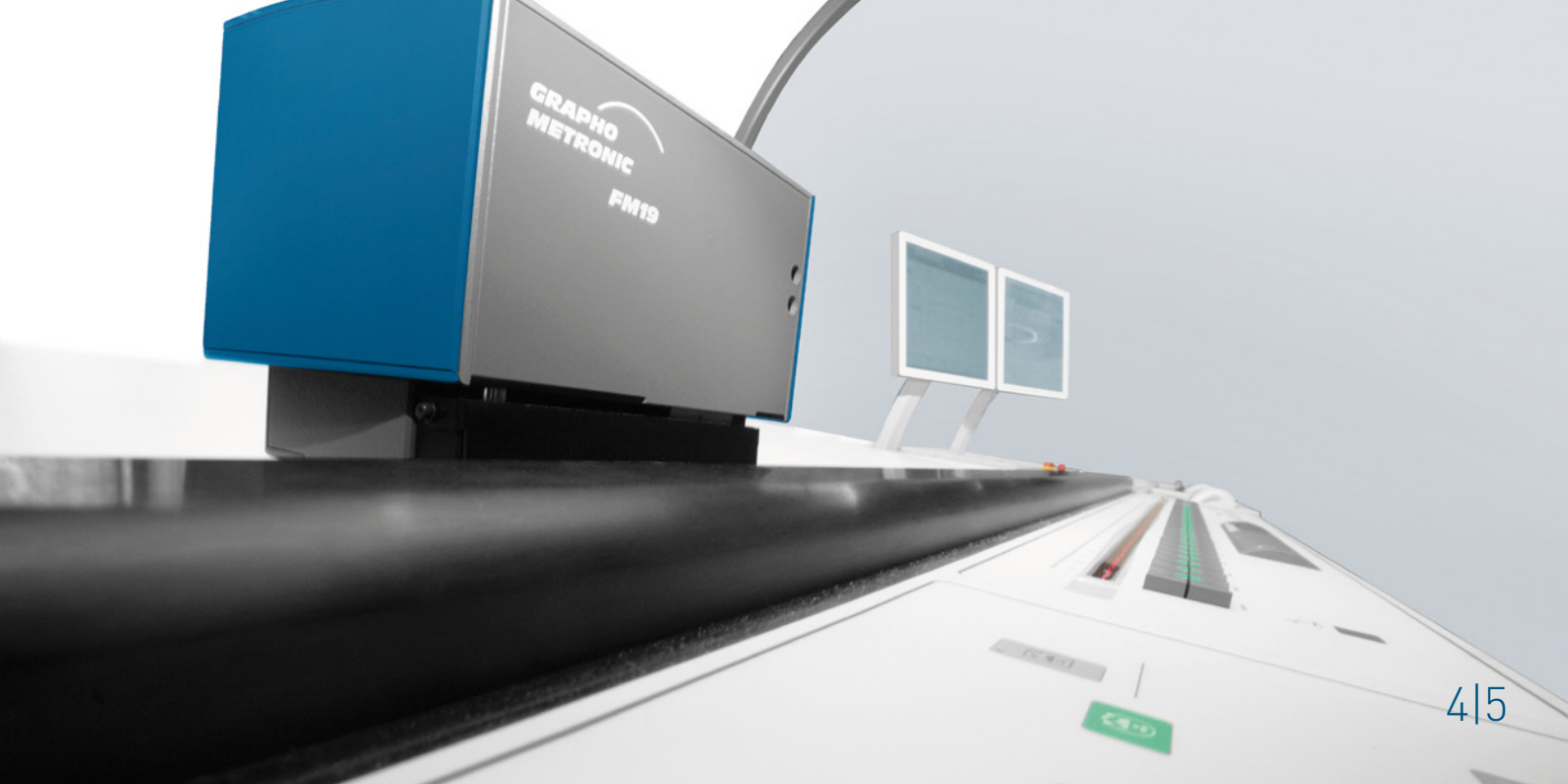
360° workflow performance: more efficient and faster printing production saves money and frees up capacity. Key factors are automated workflows, a high level of transparency and operating security, plus complete documentation of order processing. printnet Press Management meets all your requirements. Our workflow solutions are based on open standards that ensure compatibility with most third party software systems.

ColorPilot + ColorPilot plus

Precision becomes a matter of course. The proven ColorPilot high-speed measuring and control system scores points for you on two counts: as standard equipment, colorimetry takes care of quality management, and densitometry takes care of production control. The system quickly achieves good sheets after only a few measuring and regulation steps and ensures consistently high quality during the production run. Even particularly difficult subjects with low contrast can be easily regulated by the okBalance® software module at the press of a button and kept stable over the entire run.

A plus point for perfecting presses. ColorPilot plus offers the freedom you need for perfecting. The measuring rail can be easily moved to the y-direction of the sheet so that the print control strips can be positioned in the middle of the sheet. This permits print control strips to be positioned anywhere on the sheet at right angles to the printing direction. Teach-In only takes 20 seconds, which is very efficient and saves time.





GRAPHO
METRONIC
FM19

ColorPilot smart

The smart solution. The ColorPilot smart for the ROLAND 500 is based on the proven and dependable ColorPilot technology and delivers the same measuring accuracy. Instead of holding the sheet flat with a vacuum rail, the ColorPilot smart uses an easy to operate wire hold-down system to ensure that the sheet lies flat while measurements are made. The scope of functions includes both densitometrical and colorimetric measuring.

Versatile and flexible. The ColorPilot smart also controls print production and quality with the ROLAND 50 and ROLAND 200. Just like the ColorPilot, the smart version is equipped as standard to measure ink density and colorimetric values. A special feature of the ColorPilot smart for the ROLAND 50 and ROLAND 200: the measuring device is detachable for making spot measurements (e.g. for target color values).



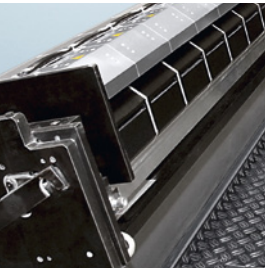
A black, rectangular device with a curved front edge, mounted on a dark surface. The device has a small circular hole on top and a green indicator light on the right side. The text 'GRAPHO METRONIC' and 'FM19' is printed on the front panel. A white scale is visible in the background.

**GRAPHO
METRONIC**
FM19

InlineColorPilot

For the ROLAND 700: measuring and controlling color – non-stop – without the need to pull sheets. This saves time and waste sheets, improves color stability, and offers complete documentation of the production run. Using a high-resolution CCD sensor, the InlineColorPilot measures the complete print control strip within three sheets. The RGB flash illumination corresponds with the color of the filters that are used for normal densitometrical measurements.

For the ROLAND 900, XXL: in the large-format segment, the InlineColorPilot has for years already ensured many printing companies of high-quality printed products. Besides considerable makeready time savings and constantly high product quality, the fastest system on the market provides many more other advantages: fewer waste sheets, lower energy costs, no ink-water balance disturbance, and the entire production run is logged. The system also impresses with its sturdy measuring technology and low maintenance requirements.



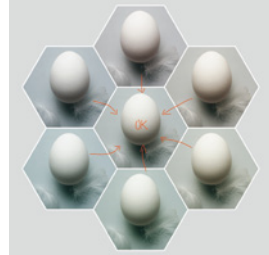


Gray scales up to the highest degree of difficulty: okBalance®

As a ColorPilot option, okBalance® is an optimal and well-proven solution. The ideal gray balance is achieved at the press of a button.

That all eggs look the same is no longer good enough for manufacturers of high-quality brand-name products and their agencies. More and more customers demand a level of printing quality that goes well beyond the usual international standards. These requirements can only be met by intelligent regulation that includes other parameters besides solid tones.

- Easy regulation of even the most difficult jobs
- A clear presentation of printing quality for analysis purposes
- Much fewer complaints





die goldenen Stunden

die goldenen Stunden sind die schönsten Stunden des Tages. Sie sind die Stunden, in denen die Sonne am höchsten steht und die Wärme der Sonne auf die Erde scheint. In diesen Stunden ist die Luft am reinsten und die Farben am lebendigsten. Die goldenen Stunden sind die Stunden der Ruhe und der Entspannung. Sie sind die Stunden, in denen man sich selbst und die Natur um sich herum bewusst werden kann.

Wiederholungen sind ein wesentlicher Bestandteil der Kunst. Sie helfen, die Botschaft zu verdeutlichen und die Aufmerksamkeit zu erregen. In der Werbung sind Wiederholungen besonders wichtig, um die Marke im Gedächtnis zu verankern. Durch die Wiederholung von Bildern, Farben und Texten wird die Identität der Marke gestärkt und die Wirkung der Werbung erhöht.

alles Gold, was glänzt!

Es gibt nichts, was so schön ist wie Gold. Es ist ein edles Metall, das seit Jahrhunderten geschätzt wird. Gold ist ein Symbol für Reichtum, Macht und Schönheit. In der Werbung wird Gold oft verwendet, um die Qualität und den Wert eines Produkts zu betonen. Ein goldenes Logo oder eine goldene Verpackung kann die Aufmerksamkeit des Kunden auf sich ziehen und die Marke als hochwertig und prestigieus darstellen.





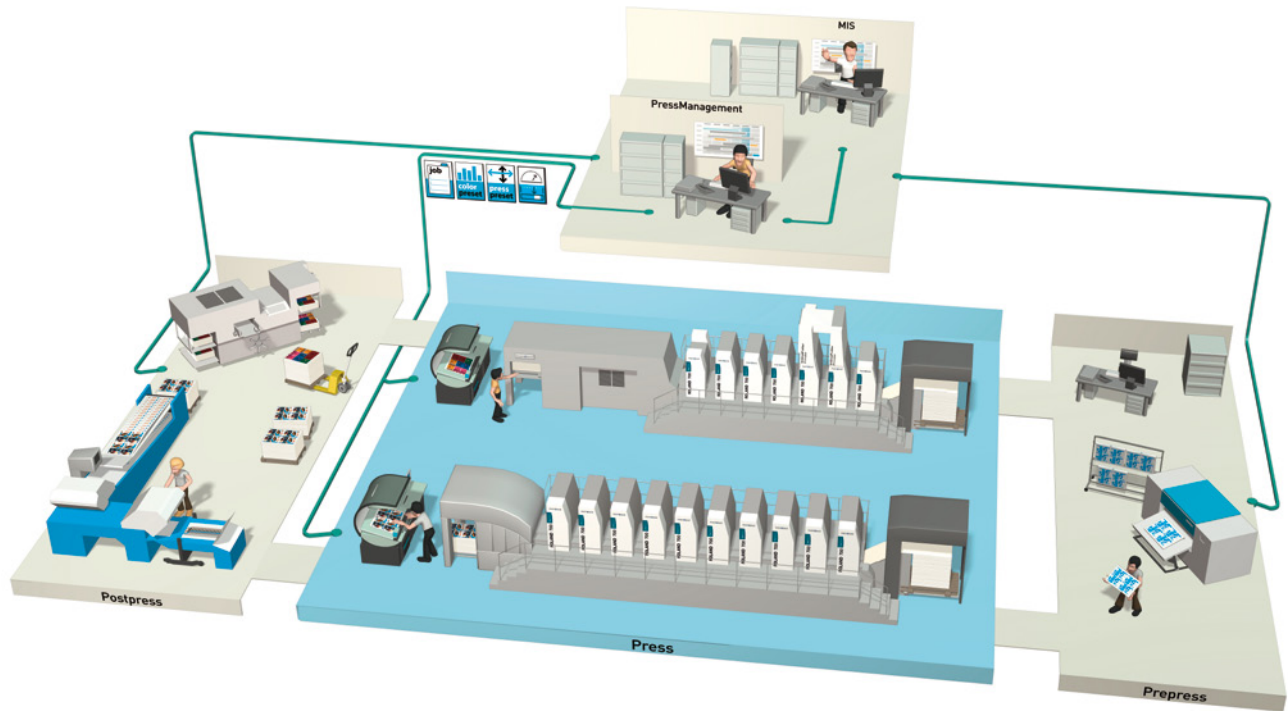
InLineInspector

Zero fault production. As printing speeds increase, the challenge of keeping printing quality sheet for sheet at a constantly high level increases as well. The InLineInspector detects even the smallest hickeys, splashes, scratches, creases, streaks, scumming, or smearing just as reliably as it detects color deviations or substrate defects. Non-saleable sheets are marked or, with the InLineSorter in the delivery, diverted fully-automatically.

Electronic masking. A masking function already defined in prepress enables the inspection of specifically selected areas with different levels of sensitivity. Especially with packaging or folding cartons, certain non-relevant areas of the sheet can be excluded from defect detection.

Benefits of the InlineInspector:

- Documented quality
- Drastic reduction in complaints
- Reduced waste and allowance
- Makes life easier for the press operators
- A must for quality printers
- A must for streamlining the manufacturing processes
- An outstanding marketing instrument for the printing company



printnet Press Management

Networking – enormous potential. Our expertise for an optimal individual workflow lies in the pressroom and work preparation. Besides the JDF workflow with a Management Information System (MIS), we also support CIP3 prepress integration. printnet Press Management provides fast and efficient job creation as well as planning and control of print jobs within the pressroom. By linking processes, this makes the workflows highly transparent. printnet optimizes the entire production flow and frees up capacity for new jobs.



Software package PressManager perfect 2.0

Complete job preparation made easy. PressManager perfect 2.0 consists of a central job database for complete job preparation in an office. In addition to creating the JobTicket, this function also includes ink slide and press presets for much shorter makeready times and an efficient job flow. The software package contains interfaces for taking over job data from an MIS or CIP3 data from prepress, and the IntegrationPilot for job management, planning, and control.



Benefits of the PressManager:

- Reduced makeready time through automatic press presetting (even when the press is switched at short notice)
- New and easy to operate user interface
- Efficient job workflow
- Complete presetting of a print job in less than one minute
- Easy detailed planning for the pressroom through an integrated pressroom overview and job filter functions
- Workflow transparency optimizes the production flow

Software package IntegrationPilot

Complete job preparation directly at the press. The software package contains interfaces for taking over job data from an MIS or CIP3 data from prepress, and the IntegrationPilot for job management, planning, and control. These days it is often necessary to create new print jobs in the pressroom and alter or supplement certain parameters in the JDF workflow. Operation should be as simple as possible and oriented on production conditions. The new IntegrationPilot provides individual integration and optimization functions and is adaptable to your existing workflow. A prerequisite for IntegrationPilot is PressManager perfect.



Software package IntegrationPilot plus

Fully informed: IntegrationPilot plus is a new development that provides comprehensive production data collection for the pressroom. IntegrationPilot plus supplements complete job preparation with automatic and detailed production data collection that can be used for analysis purposes. Which job was printed at what time? Why was there downtime? Which production time has to be added to final costing?

IntegrationPilot plus delivers the data for all production times, auxiliary times, classified downtimes, plus good sheets and waste sheets to a Management Information System – in JDF/JMF format, as well as CSV data format for Excel evaluation. This automatic production data collection function, combined with manual inputs of press downtime, provides optimal transparency and the potential to increase productivity. A prerequisite for IntegrationPilot plus is PressManager perfect.



Benefits of IntegrationPilot plus:

- Precise and complete process time collection
- Precise and complete material collection
- Provision of data to external systems
- Output of the collected production data as a detailed day sheet



Software package PressManager smart online version

Up to color faster. By presetting the ink slides, the PressManager smart online version achieves significant makeready time savings of up to 25 percent. The PressManager smart calculates the percentage area coverages per ink and per inking zone from the prepress PPF (Print Production Format) files and makes them available to the press online.

If calculation of the ink slide values is not done in the printing system, a linearization function is available for individual characteristic curve settings and adjustments to different substrates. Settings for repeat jobs can be stored. The user generally navigates with one operating mask. An image preview is integrated.



Software package PressManager smart JobCard version

Printing instead of making ready. The PressManager smart JobCard version also reduces makeready time with ink slide presetting. The JobCard serves as a carrier of the ink slide presetting data. The JobCardDrive included in the package transfers ink slide presetting data from prepress, and the JobCard Reader is integrated in the manroland control console. The PressManager smart JobCard version also permits storage of the characteristic curve modification for different substrates and the OK sheet settings for repeat jobs.

The logo for manroland, featuring the word "manroland" in a lowercase, sans-serif font. The letter "o" is a solid blue circle, while the other letters are in a dark blue color. The logo is positioned on the left side of a white rectangular area, which is part of a larger graphic element consisting of a white square and a blue square.

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