



Assuming a leading position requires power.
Maintaining it requires a vision.

The ROTOMAN.



The logo for manroland, featuring the word "manroland" in a lowercase, sans-serif font. The letter "o" is stylized with a blue circle around it. The logo is positioned on the left side of a white rectangular area, which is part of a larger graphic consisting of four colored squares (two blue, two purple) arranged in a 2x2 grid.

Some of the functions described above are options and not standard equipment for the ROTOMAN. You can find the standard equipment and possible options for the ROTOMAN in the enclosed press data sheet. They can be combined to provide customer-specific configurations in accordance with the valid options price list. The ROTOMAN 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, texts, illustrations and diagrams, 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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ROTOMAN



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It takes time to make a beautiful print. 0.055 seconds per copy, to be exact.

ROTOMAN Quality Features

When it comes to printing quality, the ROTOMAN does not slow down to ponder the concept. It would rather produce it by the millions. For over 30 years, the ROTOMAN has set the benchmark for quality in premium magazine and catalog printing. The 16-page press is continually being expanded by innovative components for special applications. Thus, the ROTOMAN always remains state-of-the-art and excites readers and advertising customers with the highest quality demands.

Fast-reacting inking and dampening unit. The large-scale dimensioned film inking unit with four form rollers **1** enables consistent inking over the entire printing width and print run. Two oscillating form rollers prevent ghosting. The entire inking unit is equipped with a two-circle temperature control system that ensures even inking and dampening. By sharing a form roller with the inking unit, the Hydromix film dampening unit with three rollers ensures that an optimal ink-water balance is achieved quickly and maintained throughout the entire run, and start-up waste is very low.

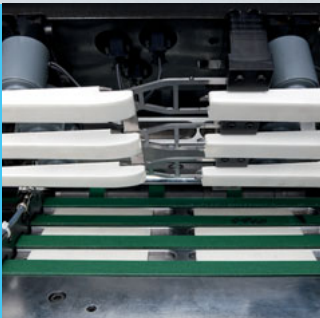
Precise ink key presetting. The ink fountains, with 24 segmented individual ink zones, allow for precise ink setting. Chromatic values for the automatically adjustable ink zones can be directly taken over from the prepress operations.

Perfect folds. The 1:3:3 folder **2** with single drive guarantees the highest folding quality and precision and has already proven successful at many customers. A separate cutting unit produces 2 x 8 or 4 x 4 pinless pages. Patented magnetic brakes **3** in the quarter fold ensure a new dimension of folding precision – and all of this at speeds of up to 65,000 copies per hour, with only one quarter fold.

The ROTOMAN inking unit allows for precise ink key presetting directly from prepress.



The inline finishing modules and flexible folding systems provide a high level of product diversity.



The patented magnetic brake achieves a high degree of folding precision, even at rapid speeds of up to 65,000 copies per hour.

TelePresence.

The service package TelePresence offers you rapid analysis and fault correction, 24 hours a day, 365 days a year.

You want to read this page while changing the plates? Then you better hurry up.

ROTOMAN Efficiency Features

The world spins fastest at a printing company. Demands on the 16-page ROTOMAN press have increased significantly in the past years. Long runs must be printed just as efficiently and reliably as short ones. For this reason, the ROTOMAN's speed, variability, and integration have been continuously developed over the past 30 years. Here's the current status:

Quick and simultaneous makeready. The automated plate changing system (PPL™) minimizes the time needed for loading and unloading plates with the web in the press. With fully-automated plate changing (APL™), only two minutes are needed to change the plates on all printing units. At 50 meters per minute, automatic webbing-up is approximately ten times faster than manual webbing-up. Moreover, all ROTOMAN components are equipped with single motor drives for independent and simultaneous makeready.

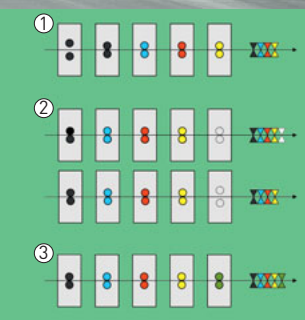
Quickly up to color. The QuickStart process permits among other things automatic pre-inking before press start-up. Thus, the desired printing quality is quickly achieved and start-up waste is minimized.

Automation. The potential of the ROTOMAN is fully realized with the PressManagement systems from manroland. printnet® focuses on consistent networking of the entire production. Job data is automatically transferred to the printnet PressManager, and then directly to the press. ClosedLoop systems take over color register control, cut-off register control, and ink density control.

The fastest folding unit. In its class, the ROTOMAN has the fastest folder with one quarter fold. The 1:3:3 **1** folder, with single motor drive and magnetic brakes in the quarter fold, produces at the high speed of up to 65,000 copies per hour when in A4 production mode. The high-performance folder also allows product format change-over within minutes, resulting in extremely short makeready times and low start-up waste.



ROTOMAN printing unit
with APL™ cassette
for fully-automated plate
change.



The only thing that can beat a ROTOMAN: two ROTOMAN.

ROTOMAN Flexibility Features

The 16-page ROTOMAN, the ideal press for commercial web offset printing, can adapt itself to the most varied market requirements. Short makeready times and a maximum speed of 70,000 copies per hour make the ROTOMAN the ideal printing press for long and short runs. You can even double this effect with a double-web configuration as a 32-page press.

Flexible number of pages. In its basic format, the ROTOMAN is designed for up to 16 four-color pages. For four-color production on two webs, the multi-level construction, unit construction, or the parallel construction are available.

DynaChange. Flying change of imprints allows for more product flexibility and economical production of partial runs. A special imprinting unit makes the ROTOMAN the ideal solution: DynaChange printing units operate with two main drive motors that provide additional separation of the cylinders, thus making web deviation unnecessary. The results are shorter makeready times, increased economy, and flexible production.

High folding flexibility. The folder superstructure **1** is modular and can be configured for each production requirement. All important functions can be remotely operated, and can be set and preset via printnet®. Additional angle bars, an adjustable former, a second former for 4x4 production, and a cutting device, as well as an additional fold for production of a 2x8 page cross fold, provide even more versatility. The combination of former fold, double parallel or delta fold, as well as a quarter fold (third fold) allows diverse formats and paginations.

Inline finishing. Equipping the press with inline finishing modules expands the ROTOMAN's application range. These include modules for spot colors, coating and UV coating, gluing and die-cutting, as well as plow fold or sheeter delivery for maximum flexibility.



A high level of diversity is achieved through various configurations of folding systems.

DynaChange provides flying plate change, dynamic color change, and dynamic pagination change.

4/4 printing on both sides

4/4 printing with coating

4/4 printing without coating

5/5 printing with spot color

