

DEVELOP

Dynamic balance

www.develop.eu

ineo+ 1100

colour | 5,192 pph



The flagship

among DEVELOP's digital presses

Unrivalled image quality, Outstanding productivity and leading media capabilities – that's for what the ineo+ 1100 counts. As the flagship among DEVELOP's digital presses, the system masters the essential requirements of commercial printing environments to perfection and amazes with its combination of previously unmatched speed and unrivalled quality. The ineo+ 1100 is a professional yet highly affordable digital colour press that features an attractive compact construction.

Helping to lower the cost of labour and other hidden costs, it guarantees a fast turnaround and better profit from higher margins. With the ineo+ 1100, DEVELOP meets the advanced requirements of mid-range commercial print production at the highest level, improves customer satisfaction by offering digital image quality on par with offset printing, and supports printing companies in holding their ground in this highly competitive market.

Excellent print quality

= more professionalism

Thanks to a real resolution of 1,200 x 1,200 dpi x 8-bit, fully supported by the controller, the ineo+ 1100 delivers an unparalleled image quality that leaves competitors standing. In addition, several innovative functions ensure consistently outstanding print quality. Image Density Control, for example, monitors image consistency during continuous printing without affecting performance. Corrections are done fully automatically to improve the stability of the image quality, while the whole process considerably enhances production efficiency. If changes occur in the print environment and the engine, the exclusive CRS (Colour Retention and Stability) technology makes the necessary adjustments to maintain optimal print quality. The short interval stability control monitors image consistency during continuous printing operations and automatically makes any corrections needed to ensure stable image quality. Moreover, the Output Feedback System adapts to the varying characteristics of different media to save operators the time-consuming process of calibration.



ineo+ 1100 with folding unit (FD-503), saddle stitching unit (SD-506) and finisher unit (FS-532)



Media flexibility and utmost productivity = more business

Close to 5,200 pages per hour, on all kind of media from 55 to 350 g/m², and an automatic duplex unit that prints up to 350 g/m² paper: the ineo⁺ 1100 will most certainly boost your productivity. Whatever media you have to work with – coated offset paper or thick card in any format from postcard to SRA3 – this print system can handle them all with ease and offers manual settings for up to 500 individual formats. Since it is essential for high-volume printers to feed each and every sheet smoothly and precisely through the digital press, DEVELOP offers tried-and-tested air suction feeding to ensure a

trouble-free feed. An optional heating unit dries the paper before printing to prevent pages from sticking together and enhance toner adhesion. Low fusing temperatures will increase your media flexibility. And since paper dries up and sometimes curls during fusing, an optional humidifier applies ultra-fine water droplets onto the paper to restore it to its original state. All features that will benefit your business.



ineo⁺ 1100 with finisher unit (FS-532)

Where **technology** really impresses

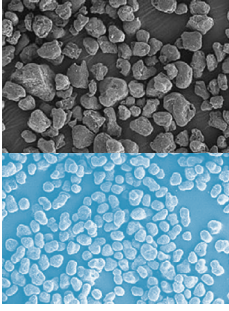


The innovative technology integrated into the ineo+ 1100 will make a visible difference to the quality of the documents you produce.

Customised screening

The ineo+ 1100 features three different screen types for line, dot and stochastic screening which can be used together in one print job. Ideal for clear and crisp texts in combination with smoother and more realistic image reproduction that are a perfect match to print data.

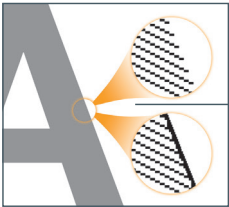




Brilliant colour reproduction thanks to polymerised toner

Unmatched toner

This next-generation polymerised toner is made up of ultra-fine particles with a lower melting temperature than ever before. Since this reduces stress on the paper and the engine in general, polymerised toner is particularly suitable for high-volume production printing. What's more, the toner improves reproduction of sharp lines, ensures brilliant colours and delivers the best possible black density.



Without OLP technology

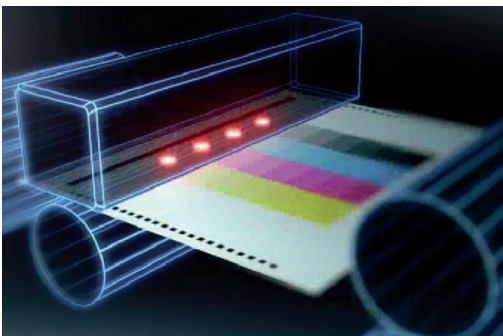
With OLP technology

OutLine Processing (OLP)

OLP improves the appearance of characters no matter whether they are small fonts, thin characters or inverted text. This imaging technology applies the right optimisation to reproduce high-resolution characters. Operators can trust this system since it automatically adjusts to provide the best possible quality.

Real-time density adjustment

During continuous printing, Image Density Control (IDC) monitors 4/C consistency. In order to achieve the target density during calibration, the system automatically adjusts the maximum density and corrects the halftone density to improve efficiency and ensure stable image quality – without affecting the printing performance.



IDC (Image Density Control) Sensor



Output Feedback System

The Output Feedback System measures not only CMYK colour but also RGB colour on the paper direct. This delivers improved accuracy and stability for each colour as well as process colour reproduction. Operators benefit from enhanced efficiency, as they no longer need a time-consuming calibration process.



Incorporated vacuum feed technology for both paper feed units

Where **details** make

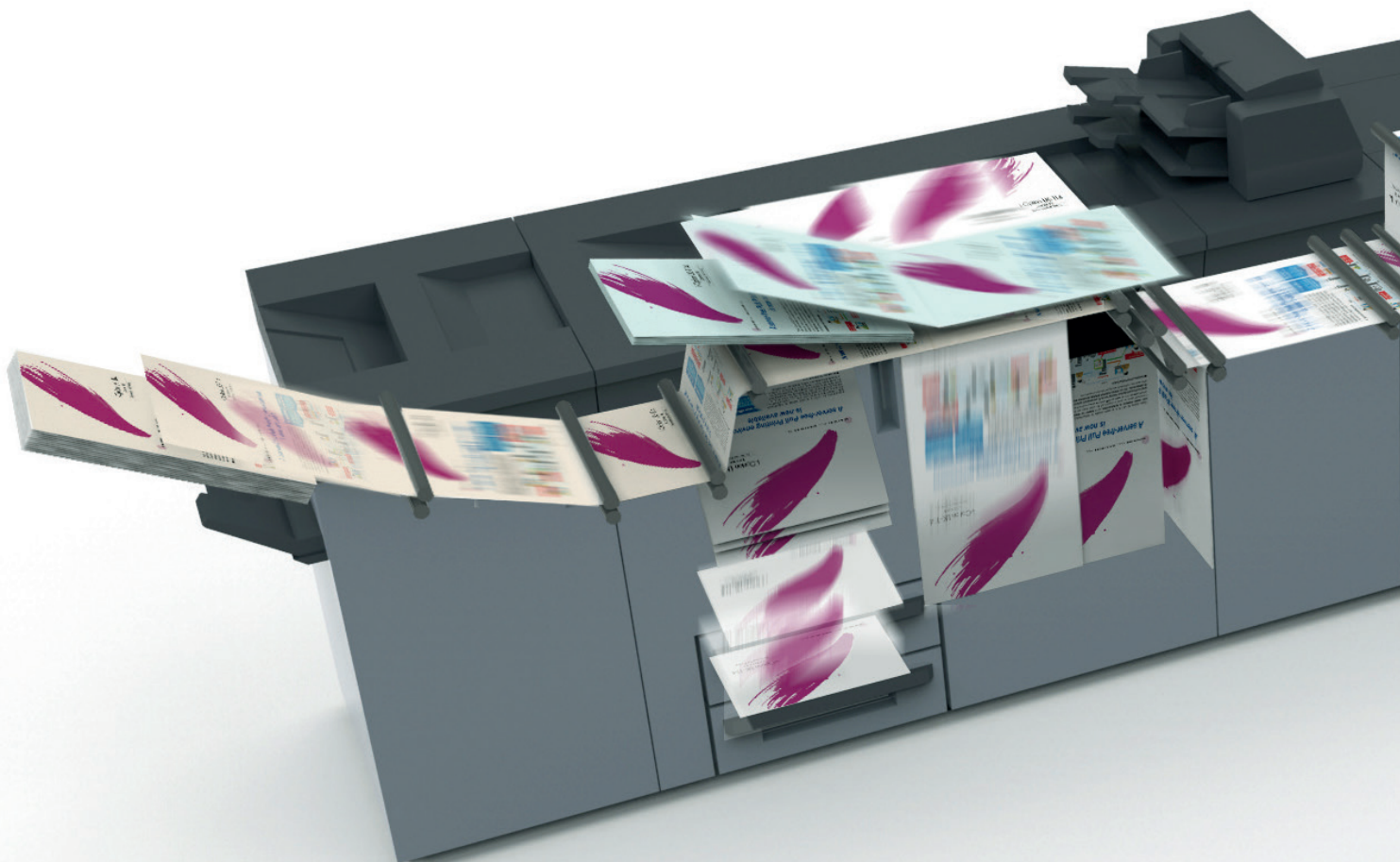
The technical details of the ineo⁺ 1100 are undoubtedly impressive, but never an end in themselves. They simply serve to improve your business.

Unparalleled reliability and usability to maximise uptime

- › Air suction feeding for intelligent, professional paper feeding to ensure smooth paper processing throughout the printing system, and efficient printing on offset and coated stock, even at high humidity levels
- › Drastically reduced paper curling through optional hybrid decurling function
- › Optional humidifying decurler to neutralise static electricity and reduce excessive heat for more stable output alignment

Enhanced media handling for a greater variety of jobs

- › Top-range paper handling: up to 350 g/m²
- › High-end overall paper capacity: 13,890 sheets
- › 100 ppm for A4 paper from 55 to 350 g/m²
- › Automatic duplex printing of paper of up to 350 g/m²



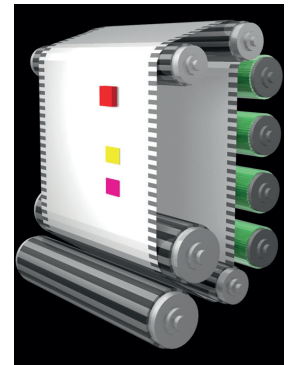
all the difference

Exceptional modularity to satisfy greatly varying output demands

- > Flexible inline finishing options to minimise labour costs and the risk of human error: punching, multi-hole punching for ring-book binder, stapling, folding, saddle stitching, perfect binding and auto ring binding
- > High degree of modularity for the flexibility to grow with business needs
- > Workflow management, job ticket editing, pagination changes, etc. at the control panel (if IC-6o2 is installed)

Consistent printing technologies

- > Stable continuous printing from the 1st to the 5,000th page
- > Real-time colour density control through Image Density Control (IDC)
- > Stable colour calibration across all print surfaces through Output Feedback System



IDC (Image Density Control) Sensor

Outstanding image consistency and quality

- > Real 1,200 x 1,200 dpi full-colour output, even for RIPped data (equivalent to 1,200 x 3,600 dpi high resolution)
- > 1,200 dpi 8-bit data processing for high-precision output
- > High-definition polymerised toner
- > High-accuracy front/back registration

Where you get what you really need

At DEVELOP we know that no two production environments are alike. So to meet our customers' very specific needs, the ineo+ 1100 has a modular design for a maximum of flexibility and customised performance. This way, we can be certain that our broad range of finishing options will satisfy all your needs.

GP-501 Multi-punch unit

- > Variety of hole-punching styles
- > Exchangeable die set (punch marks)



Various punching possibilities

GP-502 Auto ring binder

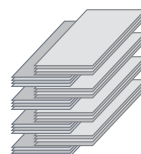
- > Binding of books with up to 102 sheets
- > Self-adjusting binding elements (one size fits all)



Ring binding

FS-532 Finisher unit with 100-sheet stapler

- > Stapling of up to 100 sheets
- > Two-point and corner stapling
- > Variable staple length (cutting mechanism)
- > Optional post-inserter and punch kit
- > Optional booklet making with up to 20 sheets (80 pages)



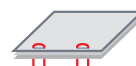
Auto-shift
sorting/grouping



Stapling



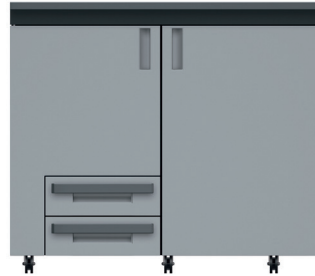
Corner stapling



Variable stapling

SD-506
Saddle stitching unit with trimmer

- > Highly accurate saddle stitching (stitch after folding) with minimal image shifts
- > Max. 50 sheets (80 g/m²) for booklets of up to 200 pages
- > Front edge trimming for a finer finish
- > Multi-centre-fold and multi-letter-fold for up to five sheets (80 g/m²)



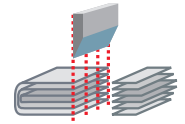
Mixed media booklet



Booklet



Multi letter fold in



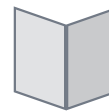
Trimming

FD-503
Folding unit

- > Six different folding functions: centre fold, letter fold-in, letter fold-out, double parallel, Z-fold and gatefold
- > 2- or 4-hole punching with left or top position selection
- > Paper insertion
- > In-line processing and manual processing of already-printed documents



Mixed media page insertion



Centre fold



Letter fold-out



Punching



Gate-fold



Z-fold



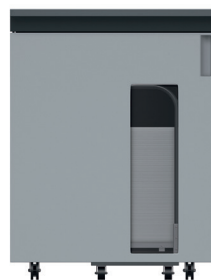
Double parallel fold



Letter fold-in

LS-506
Large-capacity stacker

- > Trolley stackers unit with capacity of up to 5,000 sheets
- > Two stackers for up to 10,000 sheets
- > Offset stacking function to separate sets



Trolley



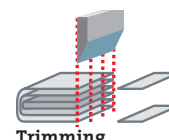
Trolley, auto-shift

PB-503
Perfect binder

- > Max. 300 sheets
- > Perfect binding for books of up to 30 mm thickness
- > In-line printing and gluing
- > No need for three-way trimming thanks to paper alignment technology
- > Handcart automatically stacks finished books



Book



Trimming

Where perfect control really matters

A digital colour production printer can deliver excellent output and streamline your workflows – but only if it is connected up to a high-performance controller. That is why DEVELOP offers four different controllers to go with the ineo⁺ 1100. And all four offer very distinctive advantages.

The perfect all-rounder: External EFI® controller IC-308

The IC-308 print controller makes optimised workflows and reliable output possible. You enjoy outstanding print quality, extensive media variety and professional finishing possibilities – so large or small colour print runs can be handled with ease in the shortest possible time.

Key benefits:

- › Intuitive operability via a large, sensibly arranged display
- › High-performance software for optimised workflow supervision and control
- › Brilliant colour via EFI ColorWise® colour management system
- › Ultra-high-performance VDP support for fast processing of variable data

The high-end solution: External EFI controller IC-310

Designed for highly productive, professional performance, the IC-310 external EFI Fiery controller perfectly enhances the colour production. State-of-the-art Fiery technology complements the sophisticated feature set of the digital colour press with advanced colour management, versatile VDP functionality, comprehensive workflow automation and absolute ease of use.

Key benefits:

- › Same outstanding features as IC-308
- › Enhanced hardware specification
- › Graphic Arts Premium Edition and SeeSequence Suite as standard
- › Controller is already FACI-enabled (external keyboard, mouse or monitor can be equipped)





The tried-and-tested performer: External Creo® controller IC-312

The IC-312 print controller facilitates digital colour printing and delivers outstanding image quality, convenient operability and numerous innovative colour management tools. A high-performance print and VDP functionality makes the IC-312 the ideal controller for demanding graphics or production printing environments.

Key benefits:

- > Seamless integration into offset workflows via JDF
- > Simple connectivity with third-party solutions such as Kodak Brisque® or Prinergy®
- > Intuitive fine-tuning in sheet assembly
- > Innovative graphics functions such as trapping, font smoothing or GCR

The ideal entry model: Embedded DEVELOP controller IC-602

DEVELOP's own IC-602 print controller is the ideal solution for a business that is moving into production printing. This embedded controller offers high quality and performance, good colour management and seamless integration with a wide range of DEVELOP applications – all at an affordable price. What's more, this controller is operated via the ineo+ 1100 control panel.

Key benefits:

- > Job list displayed
- > Editing of pages
- > Preparation and management of calibration table
- > Tone curve adjustment with before-and-after comparison from sample preview
- > PANTONE®, TOYO®, DIC® and HKS spot colour utility: converts CMYK values into specified printer values
- > Alternative colour: converts RGB/CMYK values of graphics into specified printer values

ineo⁺ 1100

GENERAL DATA

Printing and copying speed

> A4

Max. 100 ppm (colour/black & white)

Max. 5,192 pph (colour/black & white)

> A3

Max. 53 ppm (colour/black & white)

Max. 2,762 pph (colour/black & white)

> SRA3

Max. 50 ppm (colour/black & white)

Max. 2,581 pph (colour/black & white)

Resolution

1,200 x 1,200 dpi x 8 bit

1,200 x 3,600 dpi equivalent

Paper weight

55–350 g/m²

Duplex unit

Non-stack type; 55–350 g/m²

Paper sizes

330 x 487 mm

Maximum image area

321 x 480 mm

Paper input capacity

Max.: 13,890 sheets

Paper output capacity

Max.: 13,600 sheets

Dimensions (w x h x d)

900 x 950 x 1,319 mm (only main body)

Weight

430 kg (only main body)

PRINT / CONTROLLER SPECIFICATIONS

External EFI® Fiery Controller IC-308

External EFI® Fiery Controller IC-310

External CREO® Controller IC-309

External CREO® Controller IC-312

Internal DEVELOP own controller IC-602

SCAN SPECIFICATIONS

Scan speed A4

42 opm

Scan resolution

600 x 600 dpi

Scan modes

TWAIN scan; Scan-to-HDD; Scan-to-FTP;

Scan-to-SMB; Scan-to-Email

Scan formats

TIFF (single and multi page); PDF

COPY SPECIFICATIONS*

Gradation

256 gradations

Magnification

25–400% in 0.1% steps

Multiple copies

1–9,999

OPTIONS

Working table WT-512

Air suction paper feed unit PF-707

Air suction paper feed unit with ADF PF-708

Heating unit for PF-707/8 HT-506

Relay unit RU-511

Humidification unit HM-101

Multi (GBC) punching unit GP-501

Relay unit RU-510

Auto ring binding unit GP-502

Folding and punching unit FD-503

Stacking unit LS-506

Booklet making unit SD-506

Perfect binding unit PB-503

Stapling unit FS-532

Saddle stitch kit for FS-532 SD-510

Punch kit for FS-532 PK-522

Post inserter for FS-532 PI-502

* Requires PF-708

DEVELOP

Konica Minolta Business Solutions Europe GmbH

Europaallee 17 30855 Langenhagen Germany Phone +49 511 7404-0 www.develop.eu

All data relating to the paper capacities of the document feeder, the final processing accessories and the paper cassettes apply to paper weighing 80 g/m² unless expressly stated otherwise. All data relating to the speed of printing, scanning or faxing apply to paper of an A4 format weighing 80 g/m² unless expressly stated otherwise.

All data relating to paper weights apply to media that are recommended by Konica Minolta. All technical data correspond to knowledge available at the time of going to print. Konica Minolta reserves the right to make technical alterations.

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