

DEVELOP

Dynamic balance

www.develop.eu

ineo+ 6501

colour | over 3,500 pph



DEVELOP

ed for you

We don't need to talk to you about the benefits of digital printing. The decisive question is which digital printing system you decide to invest in. The ineo+ 6501 from DEVELOP is the ideal colour printing system for corporate printrooms, digital printshops or offset printers. Because it offers everything that counts in digital printing: quality, flexibility, reliability and economy.

Stay competitive – earn good margins

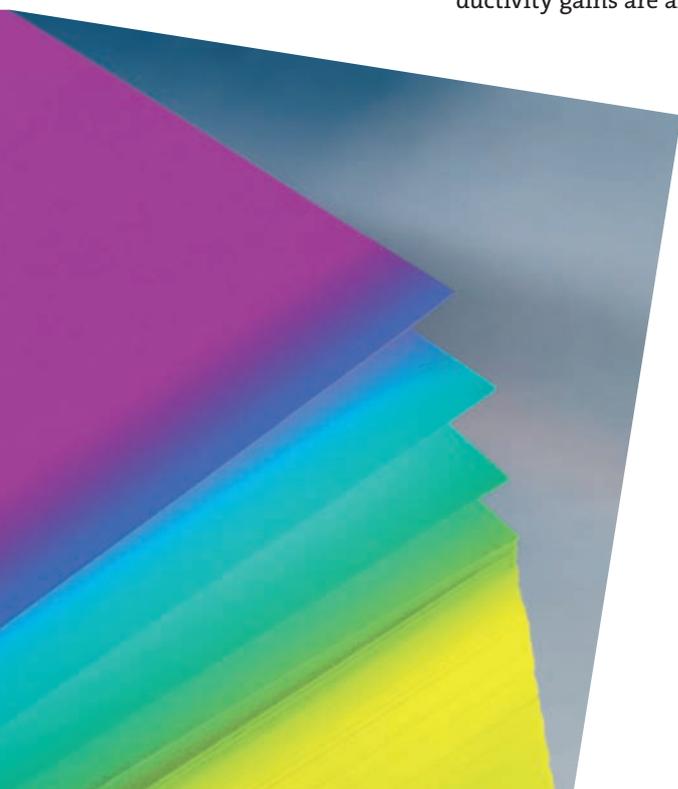
The ineo+ 6501 has been specially designed for heavy-duty production environments with output peaks of up to 300,000 pages per month. However, this system is equally suitable for short print runs, which can be produced with fast turnaround times. Running costs can be sustained at reasonable levels and productivity gains are almost guaranteed.

Profit from media flexibility – work with precision

The sophisticated paper-handling capabilities of the ineo+ 6501 mean you can handle a wide variety of media, including weights up to 300 g/m². This is particularly important for digital printshops or offset printers where customers are likely to arrive with all sorts of print jobs. Back-to-front and page-to-page registration ensures those jobs can be printed with a high degree of precision in close-to-offset quality.

Exploit the many functions – enjoy the ease of use

The optional high-performance controllers support and enhance the functionality of the ineo+ 6501 and provide an intuitive, user-friendly interface between the operator and this colour printing system. The large full-colour operating panel offers clear and easy access to all the functions of the ineo+ 6501.





ineo+ 6501 with DF-609, FS-607, PI-502 and LU-202



ineo+ 6501 with DF-609, FS-521, FD-503, RU-504 and PF-602

How you benefit

- › It meets the needs of corporate printrooms, digital printshops and offset printers
- › Quality output through sophisticated digital printing technology
- › Up to 300,000 pages per month
- › Professional colour management via Fiery or Creo controller
- › It handles a broad range of media (up to 300 g/m²)
- › Wide variety of finishing options (e.g. perfect bounded books)



Built for

production environments

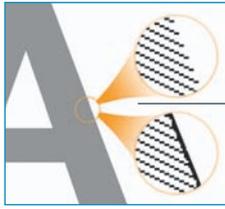
The ineo+ 6501 is an economically viable solution for production printing environments aiming to offer their customers a wide choice of competitively priced digital printing services. The benefits are significant.

Flexible paper handling

The ineo+ 6501 handles a wide range of media, e.g. thin, thick, coated and offset paper in all sizes from postcard to SRA3 and bigger, and provides manual settings for up to 60 customised formats. An optional heating unit dries paper before printing and low fusing temperatures increase media flexibility even further.



ineo+ 6501 with DF-609, PB-502, SD-506, RU-504 and PF-602



Without TagBit technology

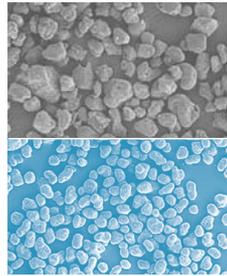
With TagBit technology

Tag bit technology

This unique tag bit technology extracts or fills in edge pixels to sharpen frayed edges in halftone printing. The benefits in reproducing outlines, reversed or slim text are clear to see.

Unique toner

The newly developed polymerised toner consists of ultra-small particles (3-5 μm) with a lower melting temperature. This reduces the stress on the paper and the engine in general, which makes this toner particularly suitable for a high-speed production printing system. It improves the rendition of sharp lines, ensures brilliant colours and delivers the best possible density.



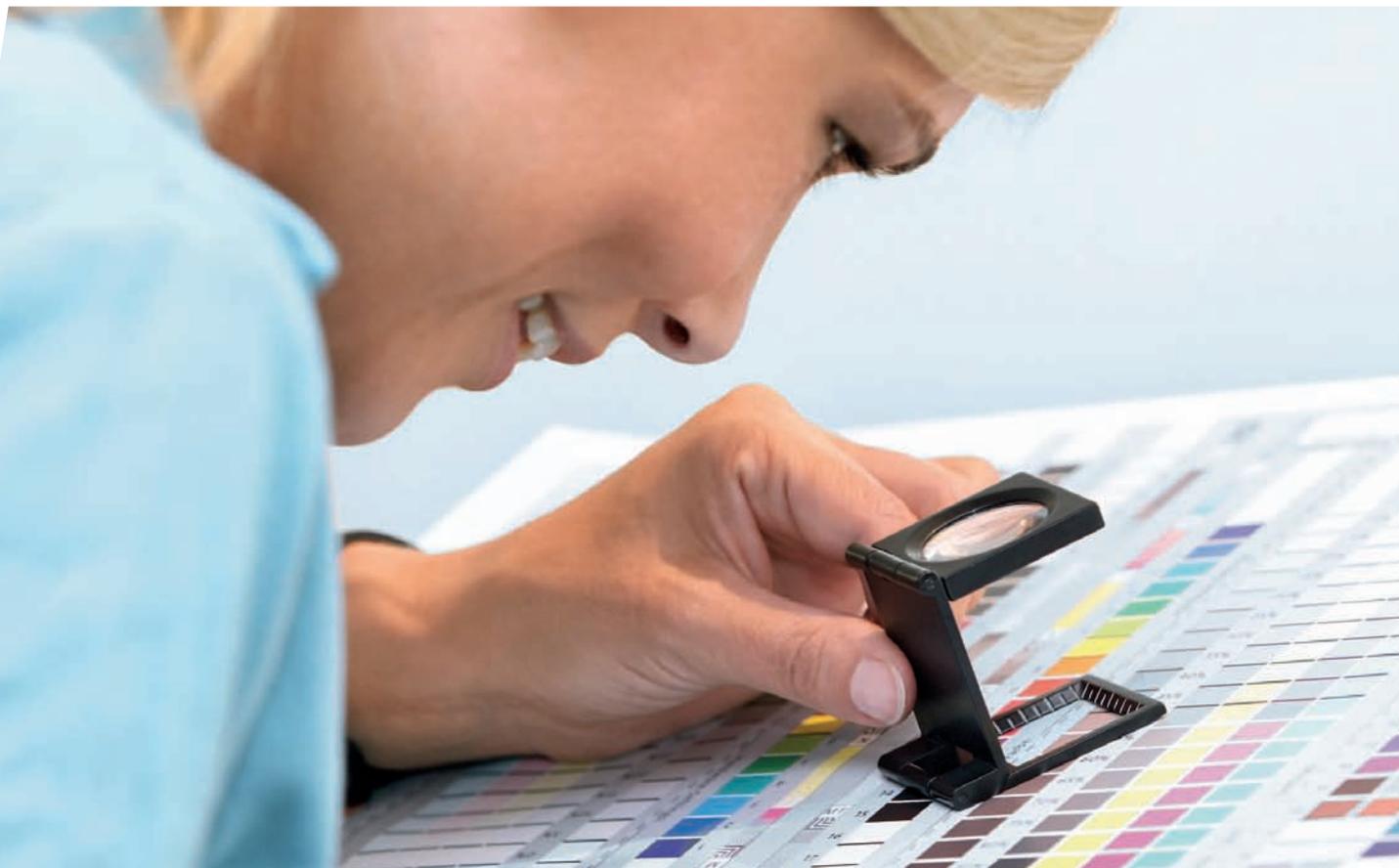
Brilliant colour reproduction thanks to polymerised toner

Screening technology

Two screen types each are available for line and dot screening. Thanks to the newly developed screening technology the ineo⁺ 6501 processes data in such a way that the screens selected create visibly smoother backgrounds.

True speed

To maximise printing precision and speed, the ineo⁺ 6501 is equipped with a dual-beam laser unit and high-performance image-processing ASICs. The ultra-small print head emits two laser beams simultaneously to increase the writing speed on the photoconductive drum. The newly developed ASIC chips make the high speed and outstanding image quality possible.



ineo+ 6501

This digital colour printing system comes with numerous features that bring concrete benefits in a production environment.

Organic photo conductor

- > Special wear-resistant outer layer of drum
- > Very good colour stability

Advanced colour processing

- > Unique technology
- > Outstanding speed and image quality

Fusing unit

- > Lower temperature prevents toner blistering
- > Easy feeding of thick paper
- > Greater media flexibility

Inline finishing

- > Booklet maker, folding unit, staple finisher or large stacker
- > Very high productivity
- > Faster throughput

Conveyance unit

- > Cools down and de-curls prints prior to finishing
- > Better quality finished output



Duplex unit

- > Precise paper feeding
- > Accurate registration in duplex printing (± 0.5 mm)

systematically better

Paper feed section

- > Safe paper feed
- > High productivity
- > Air-assisted separation

Touch screen

- > Full-colour 12" touch screen
- > Optimum visibility with tilting, swivelling panel
- > Intuitive operation

Multi-feed protection

- > Sensors to prevent double- or multi-feed
- > Less downtime
- > Higher productivity

Optional heating unit

- > Ideal in cold or humid environments
- > Paper dried in trays prior to feeding
- > Greater media flexibility, e.g. heavy, coated or offset paper

Polymerised HD toner

- > Minute particle size brings sharper lines
- > Lower melting temperature better for paper and machine
- > Great media flexibility

Developing unit

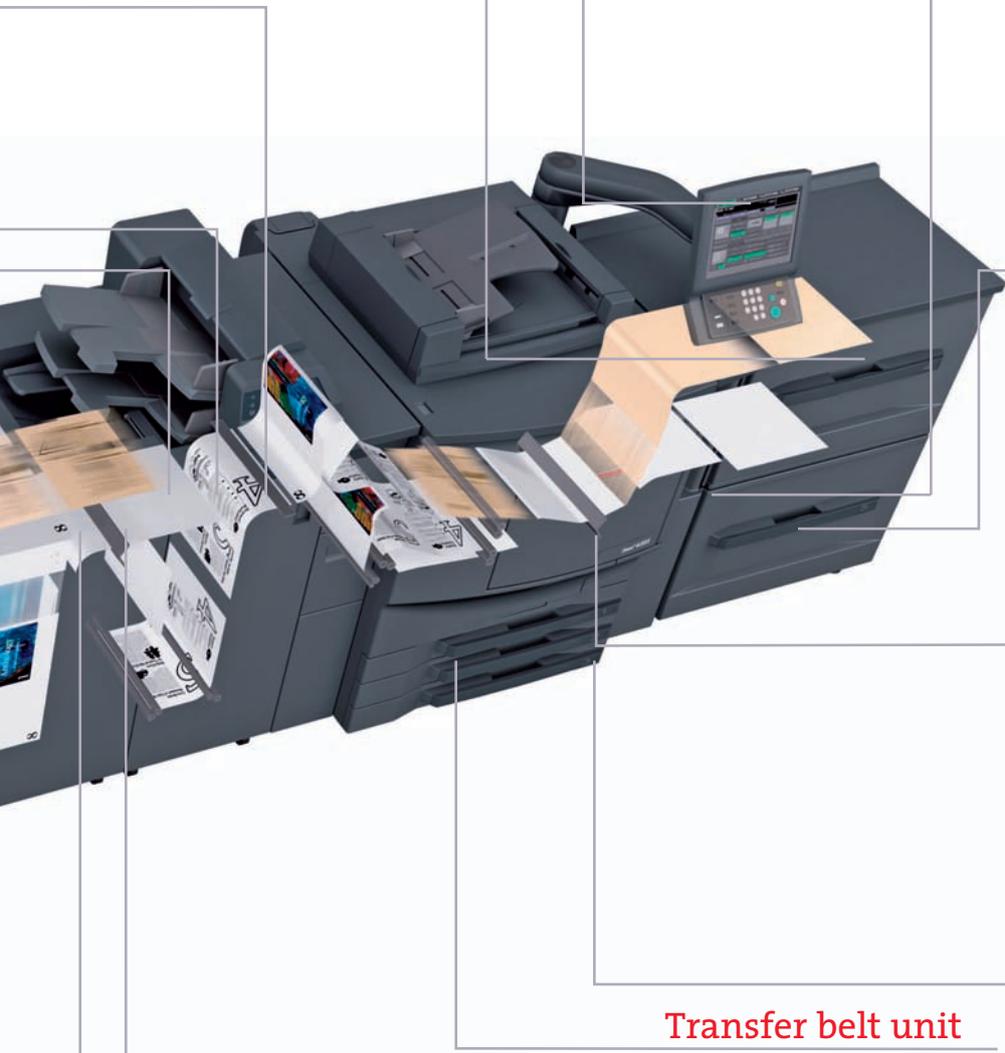
- > OPC and developer rotate in opposite directions to ensure more even toner density
- > No halos or white spots
- > Supports high-speed printing

Transfer belt unit

- > Thin and flexible belt
- > Adapts to different media and varying toner coverage

Remote Care

- > Lower maintenance and repair costs
- > Remote maintenance
- > Less administrative work, e.g. through automatic counter readings



Finished to perfection

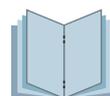
Professional-quality finishing units are essential in a production printing environment. That's why the ineo+ 6501 can be equipped with a variety of finishing options, all designed to ensure your printed material is finished to perfection.

FS-607

All-round talent

Compact all-rounder for entire booklets and everyday folding and stapling functions.

- > Brochures of up to 80 pages
- > Letter fold
- > Punch kit (optional) and Post-inserter (optional)



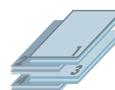
Booklet



Stapling



Half-fold



Auto-shift sorting



Letter fold in

SD-506

Booklet-Maker

Ideal for producing saddle-stitched and trimmed documents, this option speeds up the inline production of leaflets, brochures or catalogues of up to 200 pages (50 sheets). Front trimming and offset stacking are carried out automatically and an optional letter-folding function (up to 5 sheets) allows production of small-scale mailshots. The output tray takes up to 50 brochures.



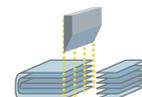
Mixed media booklet



Booklet



Multi letter fold in



Trimming

FD-503

Folding Unit

The first-choice for mailshots, flyers and the like, this option folds documents in six different ways and punches two or four holes at the full rated speed while also feeding in pre-printed card covers or section dividers.



Mixed media page insertion



Half-fold



Letter fold out



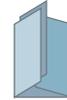
Punching



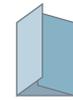
Gate-fold



Z-fold



Double parallel-fold



Letter fold in

LS-505

Large-Capacity Stacker

The perfect complement for ineo+ 6501 in a printing environment with existing finishing facilities, this trolley stacker unit takes up to 5,000 sheets and features an offset stacking function to separate sets.



Trolley



Trolley, auto-shift

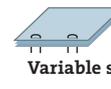
FS-521

Stapling Unit

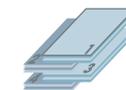
Just the right choice for producing manuals, reports and other voluminous documents, this option staples up to 100 sheets in a variety of positions at the full rated speed. It cuts the staples to measure and has an automatic offset stacking function that separates sets in the main output tray (up to 3,000 sheets) or the sub tray (up to 200 sheets).



Stapling



Variable stapling



Auto-shift sorting/grouping

GP-501

GBC Punch Unit

This professional puncher maintains maximum productivity by punching many different hole configurations at the full rated speed. The interchangeable die sets produce punch patterns for all standard binding styles, e.g. comb, wire or plastic coil, and can be easily changed by the operator within minutes.



Various punching possibilities

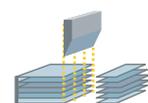
PB-502/-503

Perfect Binder

Either of these options automatically binds books of up to 30 mm thickness, allows Z-fold pages, pre-printed 4/C card covers or section dividers to be fed in, and automatically trims the covers lengthways.



Book



Trimming

Controlled performance

Full-colour digital printing can bring you brilliant results and great workflow solutions. But you need a powerful controller. That's why the ineo+ 6501 is available with one of three optional high-performance controllers, a combination that brings significant benefits:

- > Easy-to-operate user interface
- > Powerful software for optimised workflow control
- > Exceptionally fast variable data printing support
- > Accurate spot colour reproduction
- > Superior colours through flexible colour management

ineo+ 6501 now available with optional Creo controller for professional printing environments

- > Seamless integration into offset workflows via JDF
- > Connects up to external solutions such as Kodak Brisque or Prinenergy
- > Intuitive fine-tuning possible during imposition

Together with the internal Fiery IC-408 and the external IC-305 the color- and finishing-expert ineo+ 6501 represents state of the art technology and meets highest performance demands

Fiery Command WorkStation: easy job control

The Command WorkStation puts you in control of your Fiery controller so digital print jobs can be administered easily and efficiently. Whether you run the Command WorkStation from your desktop or at the colour server, it is an extremely fast and effective tool for improving work processes and productivity. It streamlines operations by minimising the need to open and navigate multiple windows and dialogue boxes and by greatly reducing the number of key-strokes needed to activate any function. It speeds up job set-up times by allowing the operator to check settings in real time. Moreover, it guarantees high security standards since access to files and settings can be restricted to the respective user.



Variable data printing: profitable personalised output

As a digital print provider, you can profit from the boom in 1-to-1 marketing. The variable data printing (VDP) support provided by the Fiery controller makes problem-free personalised output possible on the ineo⁺ 6501. Variable image data, variable text and variable database contents allow information to be individually tailored to each and every mailing recipient. The Fiery controller provides fast and flexible VDP support with two Fiery tools helping to ensure speedy, efficient personalised output:

- > **PPML**:** Personalised Print Markup Language (PPML) is an open, object-based, industry standard VDP language. It RIPs objects just once and then caches and reuses the images and data as required. This reduces network traffic, improves RIP performance and enables the print engine of the ineo⁺ 6501 to perform at its maximum speed.
- > **FreeForm:** This software tool, which is a standard feature of both Fiery controllers, eliminates the need for operators to learn a separate front-end application. FreeForm 2 allows operators to select individual pages from a multi-page master, which provides even more personalisation possibilities and greater flexibility in variable data printing.

Powerful production tools

- > **Fiery Spot-On:** This colour management system – a standard feature of both Fiery controllers – makes the creation, management and printing of custom spot colours accurate and easy. PANTONE library colours are automatically matched with their best CMYK equivalents and the HKS, Toyo and DIC spot colour systems are also supported.
- > **Fiery ColorWise:** The in-RIP colour management system ColorWise, also a standard feature of the Fiery controllers, makes sure the colours you print are the colours you want – regardless of application or platform. ColorWise allows you to fine-tune output by configuring personalised settings, accurately simulating the output of other devices, creating custom colour profiles and selecting device link profiles.
- > **EFI Sequence Impose:** This optional open-architecture, cross-platform imposition tool, which is accessed via the Command WorkStation, enables you to edit and assemble entire documents before processing or RIPping and impose jobs consisting of multiple records of varying lengths. Fiery Impose greatly simplifies your VDP workflow by enabling an intuitive approach to VDP imposition, is compatible with all popular legacy VDP languages and supports PPML.
- > **Fiery Graphic Arts Packages**:** The Graphic Arts Package includes many tools to control, predict, manage and deliver the best possible colour results from the ineo⁺ 6501. The Graphic Arts Package Premium Edition goes even further with a variety of features that meet the most complex requirements of the high-end graphic arts market. Both Packages are optional features of the external Fiery controller.

** Only with external Fiery controller (IC-305)



ineo⁺ 6501

GENERAL DATA

Printing and copying speed

> A4

Max. 65 ppm (colour/black & white)

Max. 3,563 pph (colour/black & white)

> A3

Max. 36 ppm (colour/black & white)

Max. 1.900 pph (colour/black & white)

Print System

Laser

Gradation

256

Paper feeder

> Standard: 1.750 sheets

3 x 500 sheets per cassette (64–256 g/m²)

1 x 250 sheets multi-bypass (64–300 g/m²)

Paper format

A6–A3 full bleed

Max.: 330 x 487 mm

Printable area

Max. 318 x 480 mm (A3+)

System memory

4x 256 MB RAM

Warm-up time

Less than 420 seconds

Dimensions (w x d x h)

786 x 1056 x 992 mm (with Original Cover)

Weight

Approx. 360 kg (only main body)

Power connection

230 V / 15A / 50 Hz

PRINTER / CONTROLLER SPECIFICATIONS*

Resolution

Print: max. 600 x 1.800 dpi (with smoothing)

IC-304 Plus External Creo-Controller (optional)

CPU: Intel Core2 Duo Processor

RAM Memory: 2 GB, HDD: 3 x 250 GB

Interface: 10/100/1000-Base-T

Printer language: PS3

IC-305 External Fiery-Controller (optional)

System Version: 8 R2, CPU: Intel Core2 Duo E6400

RAM Memory: 1.024 MB, HDD: 160 GB

Interface: 10/100/1000-Base-T

Printer language: PS3

IC-408 Embedded EFI controller (optional)

System Version: 8e

CPU: 2,8 GHz

RAM Memory: 512 MB

HDD: 80 GB

Interface: 10/100/1000-Base-T

Printer language: PS3, PCL5/6

SCANNER SPECIFICATIONS (OPTIONAL)

Type of Scanning

Scan to E-mail/FTP/BOX/SMB (PC)

Resolution

Max. 600 x 600 dpi

Scanning speed (with optional feeder)

> Max. 39 ppm (colour / black & white)

COPIER SPECIFICATIONS

Document Feeder (optional)

> A5 to A3

> Duplex document feeder

Copy pre-selection

> 1 – 9,999

Zoom – function

> 25 – 400% in 0.1% steps

First Copy Time

> 5.0 / 6.5 seconds (b&w / colour)

Resolution

Max. 600 x 600 dpi

Memory (optional)

4 x 40 GB Hard disc drive

OPTIONS**

Folding Unit FD-503

Output for up to 2,000 sheets, Pre-printed sheet insertion (PI), 2 Post insertion trays for 500 sheets each, Punching (2 and 4 hole), Folding (half-fold, z-fold, gate-fold, letter fold in/out, double-parallel fold), Subtray for up to 200 sheets

Staple finisher FS-521

Stapling of up to 100 sheets, 2-point and corner stapling, Variable staple length (cutting mechanism), Output for up to 3,000 sheets, Subtray for up to 200 sheets, Auto-shift sorting and grouping

50 sheet staple finisher FS-520

2-point and corner stapling, Output for up to 3,000 sheets, Subtray for up to 100 sheets, Auto-shift sorting and grouping, optional Post-Insertor PI-502 and Punch-Unit PK-512

Booklet finisher SD-506

Booklet making of up to 50 sheets (200 images), Saddle stitching, Trimming, Output tray for up

to 50 booklets, Multi-sheet folding/letter fold in, Subtray for up to 200 sheets

Large stacker LS-505

Up to 5,000 sheets stacking capacity, Subtray for up to 200 sheets, Trolley mounted stacker (5,000 sheets), Auto-shift stacking

Allround finisher FS-607

Booklet making of up to 20 sheets (80 images), 2-point and corner stapling (50 sheets), Centre fold and letter fold in, Auto-shift sorting and grouping, Output for up to 2,500 sheets, Sub tray for up to 100 sheets, optional Post-Insertor PI-502 and Punch-Unit PK-512

Perfect Binder PB-502

Hot melt glue binding system, Integrated 1-side trimming of cover sheets, Books from A5 up to A4+ (307 x 221 mm), Books from 10 sheets up to 300 sheets (30 mm spine width), Cover paper tray for up to 1,000 sheets, Book stacking capacity of up to 3,300 sheets x 2 stacks, Sub tray for up to 200 sheets

GBC Punch Unit GP-501

Smart punch unit for ring, plastic, wire, color coil, velo and more binding possibilities

Conveyance unit RU-504

Relay Unit RU-506

Hard disc drive HD - 506

Original feeder DF-609

Original cover OC-506

Catch Tray OT-502

Different die sets for GP-501

Large capacity cassette LU-202

B5–A3 full bleed, 1 x 2,500 sheets (64–300 g/m²)

Paper feed unit PF-602

3,000 sheets cassette 1 / cassette 2, A5 / A6–A3 full bleed, 64–256 / 300 g/m²

Dehumidifying Heater HT – 503/504

SOFTWARE SOLUTIONS

- > Fiery Color Profiler 2 Color Management (optional)
- > EFI Sequence Impose (optional)
- > jtman jobticket (optional)
- > Print Pool Manager load balancing (optional)
- > ineo Remote Care (optional)

* for further information please refer to the additional controller brochures

** For final configurations please ask your local dealer or supplier, because it is not possible to combine every options with each other

DEVELOP

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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 DEVELOP

All technical data correspond to knowledge available at the time of going to print. DEVELOP reserves the right to make technical alterations.

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