

**DEVELOP**

Dynamic balance

[www.develop.eu](http://www.develop.eu)

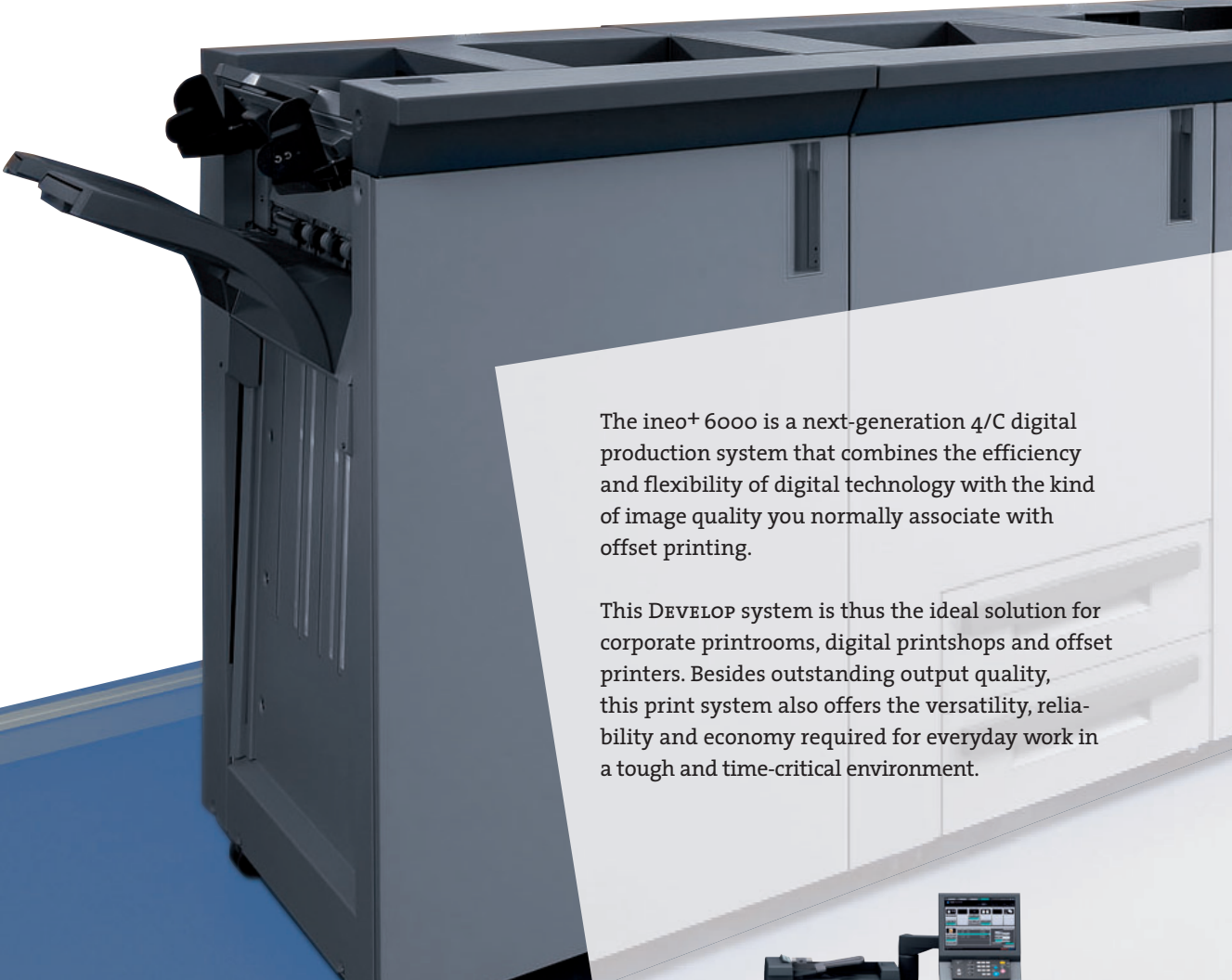
# ineo+ 6000

colour | 3,600 pph



# When **quality**

In a world of information overkill and ultra-fast communication colour is all the more important because it catches the eye. That can make all the difference between a document being binned or getting read. Because brilliant colour improves the communicative power and readability of any document, DEVELOP has come up with a true innovation in production printing.



The ineo+ 6000 is a next-generation 4/C digital production system that combines the efficiency and flexibility of digital technology with the kind of image quality you normally associate with offset printing.

This DEVELOP system is thus the ideal solution for corporate printrooms, digital printshops and offset printers. Besides outstanding output quality, this print system also offers the versatility, reliability and economy required for everyday work in a tough and time-critical environment.



ineo+ 6000 with decurling unit (RU-509), large capacity stacker (LS-505), saddle stitching unit (SD-506), staple finisher (FS-521), document feeder (DF-622) and paper feed unit (PF-602)

# really counts



## 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+ 6000 delivers an unparalleled image quality that leaves competitors standing. In addition, several innovative functions ensure consistently outstanding print quality. The gradation correction function adapts to the varying characteristics of different media to save operators the time-consuming process of producing test patterns. 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, automated colour management tools boost productivity through hands-free calibration, allowing operators to focus fully on producing more outstanding quality jobs in less time.

## Media flexibility and utmost productivity = more business

3,600 pages per hour, even on heavyweight media, and an automatic duplex unit that prints up to 300 g/m<sup>2</sup> paper: the ineo+ 6000 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 200 individual formats. 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 sprays ultra-fine water droplets onto the paper to cool it down, prevent electrostatic voltage and to restore it to its original state. All features that will increase print quality and will benefit your business.



ineo+ 6000 with decurling unit (RU-509), staple finisher (FS-521), document feeder (DF-622) and paper feed unit (PF-602)

# Where **technology** really impresses



The innovative technology integrated into the ineo+ 6000 will make a visible difference to the quality of the documents you produce.

## **Customised screening**

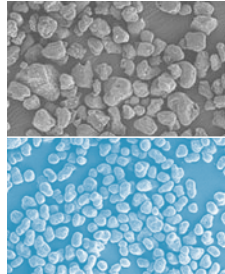
The ineo+ 6000 features three different screen types for line and dot screening which can be used together in one print job. Ideal for clear and crisp texts in combination with smoother and more realistic image reproduction that are a perfect match to print data.



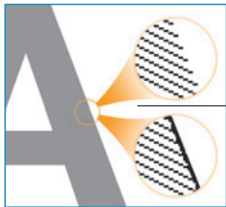
ineo+ 6000 with decurling unit (RU-509), large capacity stacker (LS-505), document feeder (DF-622) and paper feed unit (PF-602)

## Unmatched toner

This next-generation polymerised toner is made up of ultra-fine particles (3-5 µm) with a lower melting temperature than conventional toners. Since this reduces stress on the paper and the engine in general, a 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.



Brilliant colour reproduction thanks to polymerised toner



Without TagBit technology

With TagBit technology

## TagBit technology

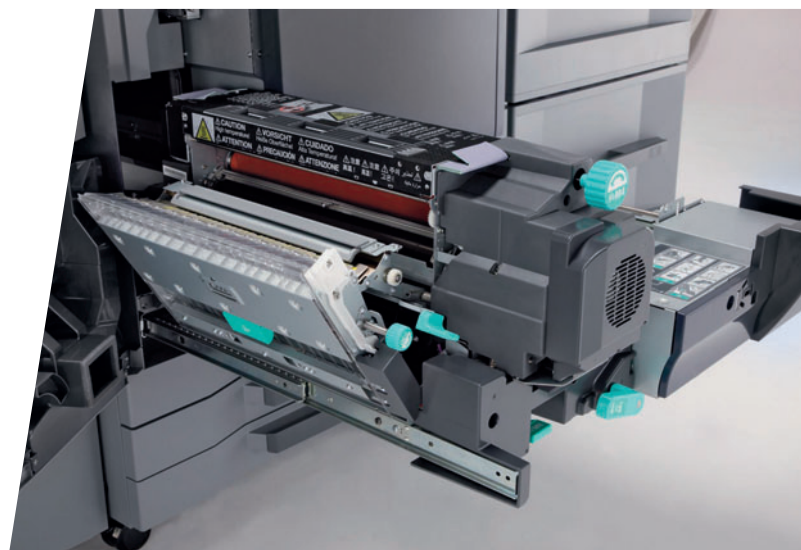
In halftone printing TagBit technology fills in or removes edge pixels to prevent frayed edges. The benefits when printing outlines is that reversed text or thin lines are instantly visible.

## 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.

## Gradation correction

Colour Density Control corrects gradations to suit the type of paper used through an automatic or manual adjustment function that relays gradation correction values to the engine. Specific correction values can be set for up to 15 types of paper. The benefits include smooth gradations in high-density and skin-tone areas, avoidance of any possible changes during second transfer and fusing, and simpler, instrument-free calibration operations.



# Where details

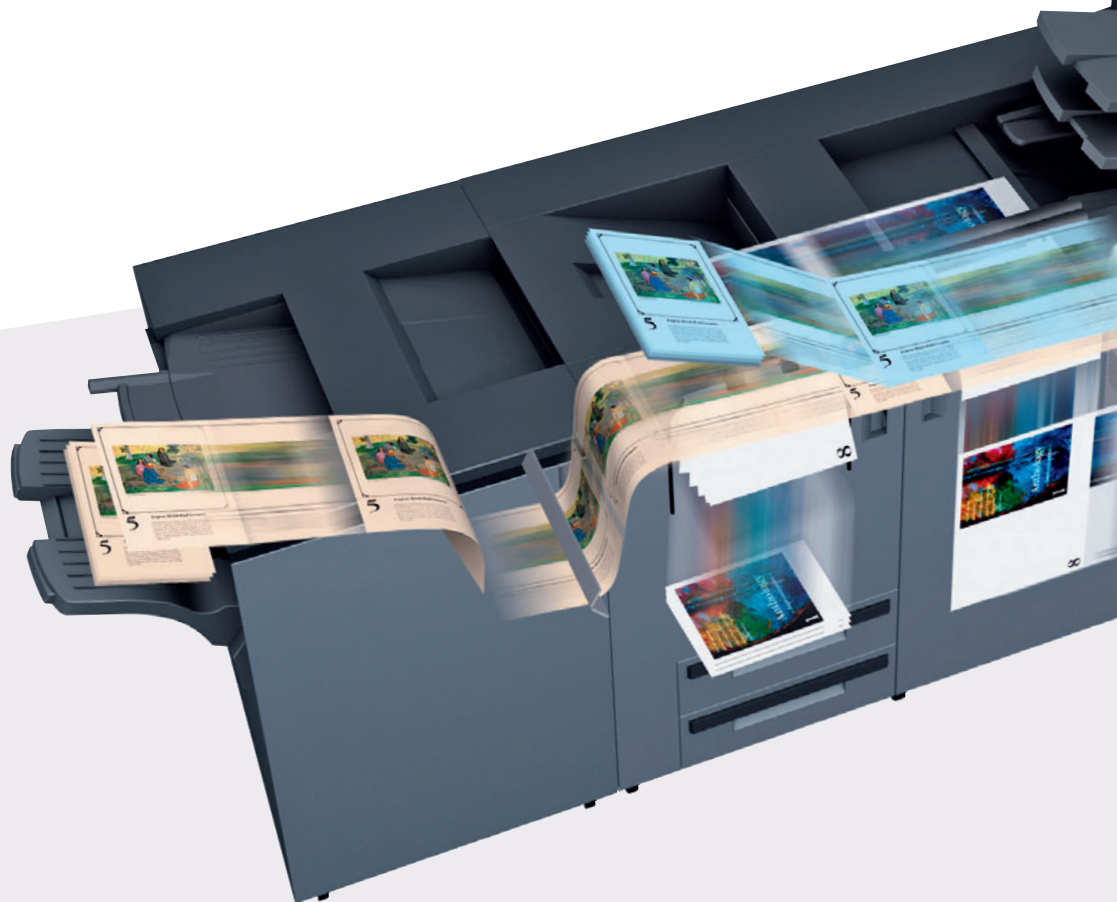
The technical details of the ineo+ 6000 are undoubtedly impressive, but never an end in themselves. They simply serve to improve your business.

## Unparalleled reliability and usability to maximise uptime

- > New air-blow paper separation mechanism for greater compatibility with a wide variety of paper types
- > 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 300 g/m<sup>2</sup>
- > High-end overall paper capacity: 7,500 sheets
- > 60 ppm for A4 paper of up to 135 g/m<sup>2</sup>
- > Automatic duplex printing of paper of up to 300 g/m<sup>2</sup>



# make 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 binding, stapling, folding, saddle stitching and perfect 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-601 controller is installed)

## 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



## Consistent printing technologies

- > Stable continuous printing from the 1st to the 5,000th page
- > Real-time colour density control through Image Density Control (IDC)
- > High image consistency by reproducing density characteristics of various paper types through optional Colour Density Control
- > Stable colour calibration across all print surfaces through Density Balance Adjustment

# Where you get what you really need

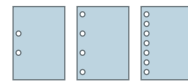
At DEVELOP we know that no two production environments are the same.

So to meet our customers' very specific needs, the ineo+ 6000 has a modular design for a maximum of flexibility and customised performance. This way, we are convinced 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)



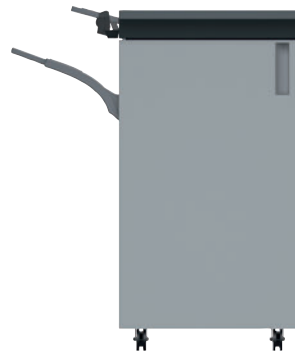
Various punching possibilities

## FS-521\*

### Finisher unit with 100-sheet stapler

- > 100-sheet stapling capacity (80 g/m<sup>2</sup>)
- > Automatic corner or two-point stapling
- > In-line clinch cuts long staples for a clean finish on documents with fewer pages

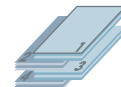
\* Finisher unit with 50-sheet stapler also available (FS-531)



Stapling



Corner stapling



Auto-shift sorting/  
grouping



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/m<sup>2</sup>) for booklets of up to 200 pages
- > Excess edges are trimmed to ensure a finer finish
- > Multi-centre-fold and multi-letter-fold for up to five sheets (80 g/m<sup>2</sup>)



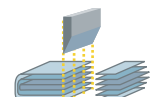
Mixed media booklet



Booklet



Multi letter fold in



Trimming



### FS-612

#### Finisher unit with 80-page brochure

- > 80-page brochure function
- > 20-sheet (80 g/m<sup>2</sup>) centre-fold function
- > 50-sheet stapling capacity (80 g/m<sup>2</sup>)
- > Centre- or letter-fold
- > Automatic punching and paper insertion (optional)



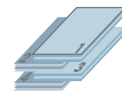
Booklet



Stapling



Half-fold



Auto-shift sorting



Letter fold in

### 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



Half-fold



Letter fold out



Punching



Gate-fold



Z-fold



Double parallel-fold



Letter fold in

### LS-505

#### Large-capacity stacker

- > Trolley stacker unit takes up to 5,000 sheets
- > Features an offset stacking function to separate sets



Trolley

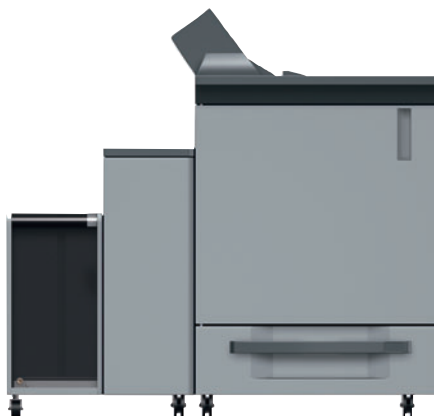


Trolley, auto-shift

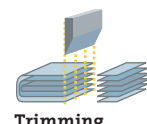
### PB-503

#### Perfect binder

- > Max. 300 sheets
- > Perfect binding for books of up to 30 mm thick
- > In-line printing and glueing
- > 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<sup>+</sup> 6000. And all four offer very distinctive advantages.

## **The perfect all-rounder: External EFI<sup>®</sup> controller IC-306**

The IC-306 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:**

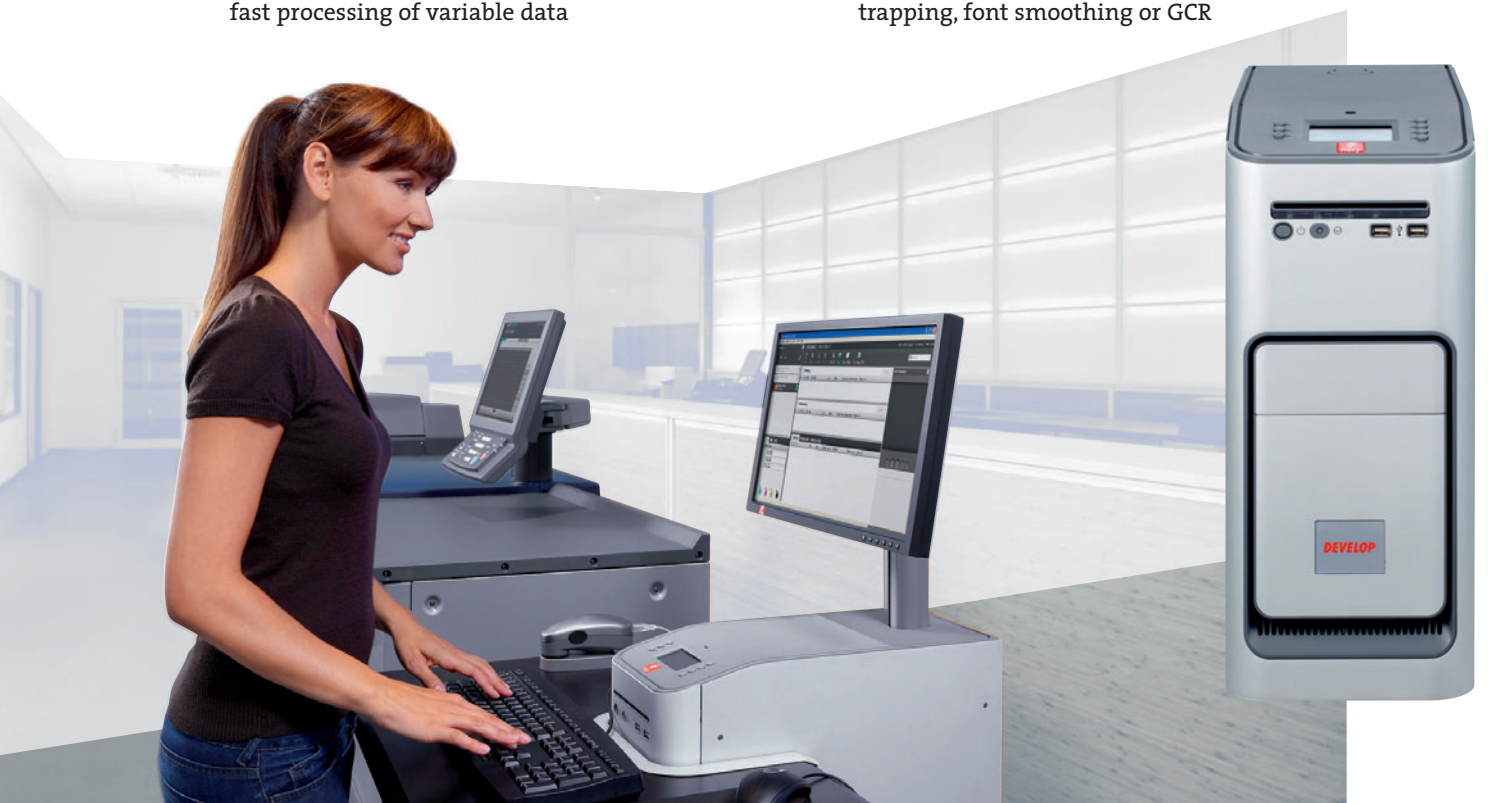
- › Intuitive operability via a large, sensibly arranged display
- › High-performance software for optimised workflow supervision and control
- › Brilliant colour via EFI ColorWise<sup>®</sup> colour management system
- › Ultra-high-performance VDP support for fast processing of variable data

## **The tried-and-tested performer: External Creo<sup>®</sup> controller IC-307**

The IC-307 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-307 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<sup>®</sup> or Prinergy<sup>®</sup>
- › Intuitive fine-tuning in sheet assembly
- › Innovative graphics functions such as trapping, font smoothing or GCR





### **The potent tool for colour printing Embedded EFI® controller IC-413**

The IC-413 colour print controller is comprehensively equipped to sail through the challenges of modern business applications. It applies competence not only to colour processing and productivity, but also provides an extensive range of (optional) security features.

#### **Key benefits:**

- > Fiery ColorWise® delivers excellent “out of the box” colour
- > Creating custom spot colours
- > Secure Erase (optional) – provides added data erasure security on the controller’s hard drive

### **The ideal entry model: Embedded DEVELOP controller IC-601**

DEVELOP’s own IC-601 print controller is the ideal solution for a business that is moving into production printing. This embedded controller offers high quality and performance (compliant with the 1200 dpi/60 ppm engine specifications), 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+ 6000 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<sup>+</sup> 6000

## GENERAL DATA

### Printing and copying speed

> A4

Max. 60 ppm, Max. 3,600 pph

> A3

Max. 34 ppm, Max. 2,040 pph

### Print System

Laser

### Gradation

256

### Paper feeder

> Standard: 1,500 sheets (3 x 500 sheets per cassette, 64 – 256 g/m<sup>2</sup>)

### Paper format

A5 – A3 full bleed

Max. 330 x 487 mm (A3+)

### Printable area

Max. 321 x 480 mm (A3+)

### Memory

6 x 384 MB RAM

### Warm-up time

Less than 420 seconds

### Dimensions (w x h x d)

760 x 1,076 x 992 mm (incl. original cover)

### Weight

Approx. 353 kg (only main body)

### Power connection

230 V / 32A / 50Hz

## PRINT / CONTROLLER SPECIFICATIONS (OPTIONAL)

### Resolution

Print: max. 1,200 x 1,200 dpi

### IC-306 External Fiery-Controller

CPU: Intel Core2 Duo Quad @ 2.66 GHz

RAM Memory: 2 GB, HDD: 160 GB

Interface: 10/100/1000-Base-T

Printer language: PS3

### IC-413 Embedded EFI controller

CPU: Intel Dual Core @ 2.6 GHz

RAM Memory: 2 GB

HDD: 160 GB

Interface: 10/100/1000-Base-T

Printer language: PS3, PCL5c/6

### IC-307 Plus External Creo-Controller

CPU: Intel Core i7 @ 2.8 GHz

RAM Memory: 2 GB RAM plus 3 GB image memory

HDD: 2 x 500 GB system memory, 2 x 500 GB

image memory

Interface: 10/100/1000-Base-T

Printer language: PS3

### IC-601 Embedded DEVELOP controller

CPU: Intel Core 2 Duo @ 2.8GHz

RAM Memory: 4 GB

HDD: 2 x 250 GB

Interface: 10/100/1000-Base-T

Printer language: PS3, PCL5c/6

## SCANNER SPECIFICATIONS

### Type of Scanning

TWAIN-Scan, Scan to E-mail/FTP/HDD/SMB (PC)

### Resolution

Max. 600 x 600 dpi (with optional controller)

### Scanning speed

Max. 40 opm

## COPIER SPECIFICATIONS

### Document Feeder

Duplex document feeder is optional

A5 – A3 (100 sheet, max. 210 g/m<sup>2</sup>)

### Copy pre-selection

1 – 9,999

### Zoom – function

25 – 400% in 0.1% steps

### First A4 Copy

Less than 6.5 seconds

### Resolution

Max. 600 x 600 dpi

### Memory (optional)

6 x 160 GB HDD

## OPTIONS

### Folding Unit FD-503

Output for up to 2,500 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

### 100 sheet staple finisher FS-521

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-531

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-insertion unit PI-502 (2 x 200 sheets) and

punch unit PK-512

### Allround finisher FS-612

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-insertion PI-

502 (2 x 200 sheets) 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

### GBC Punch Unit GP-501

Smart punch unit for ring, plastic, wire, color

coil, velo and more binding possibilities

### Perfect Binder PB-503

Hot melt glue binding system, Integrated 1-side

trimming of cover sheets, Books from A5 up to

A4, 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

### Conveyance unit RU-509

### Humidifying unit HM-102

### Document feeder DF-622

### Working Table WT-508

### Original cover OC-506

### Relay Unit RU-506 for GP-501

### Hard disk kit HD-514

### Preview Kit PH-102

### Output tray OT-502

### Bypass (250 sheet) MB-504

### Large capacity cassette LU-202

B5 – SRA3, 1 x 2,500 sheets (64 – 300 g/m<sup>2</sup>)

### Paper feed unit PF-602

3,000 sheets cassette 1 / cassette 2, A6 – SRA3,

64 – 256/300 g/m<sup>2</sup>,

Standard sizes from A6 – SRA3

### Dehumidifying heater HT-503/504

### for LU-202/PF-602

\* 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/m<sup>2</sup> 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/m<sup>2</sup> 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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October 2012