TASKalfa Pro 15000c

Inkjet Full Color Production Printing System

Innovate & Expand Your Printing

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TASKalfa Pro 15000c

A Kyocera Inkjet Full Color Production Printing System.

Advantages

1. High Productivity

The TASKalfa Pro's non-stop production system enables continuous 150 ppm printing. Similar to plain paper, 360g/m^2 of thick paper can be printed non-stop for 9,000 pages.

2. Superb Print Quality

The TASKalfa Pro's inks and ink discharge technology ensure color consistency and high print quality to meet the demands of production print industry.

3. Wide Media Handling

The TASKalfa Pro 15000c productively prints on a wide variety of media sizes, weights, and types, expanding the range of profitable printing applications.

4. Optimized In-line Options

Optimum versatility with feeding, stacking and finishing options let you customize the system that is right for your business.

5. Selectable Controllers and Applications

Enables efficient production and superior quality with the TASKalfa Pro's controller or with the optional Fiery Print Server.

6. Exceptionally Easy to Use

Maximizes productivity by letting you replace key components and consumables in moments. The integrated touch panel provides a unified and easy to use interface.

7. Eco-friendly Advantages

Inkjet printing which does not require heat to fuse toner reduces power consumption significantly. The TASKalfa Pro 15000c reflects our decades-long commitment to sustainable products and manufacturing.

8. Enhanced Security

The TASKalfa Pro 15000c is equipped with the latest security features such as user authentication, HDD data overwrite and encryption capabilities.

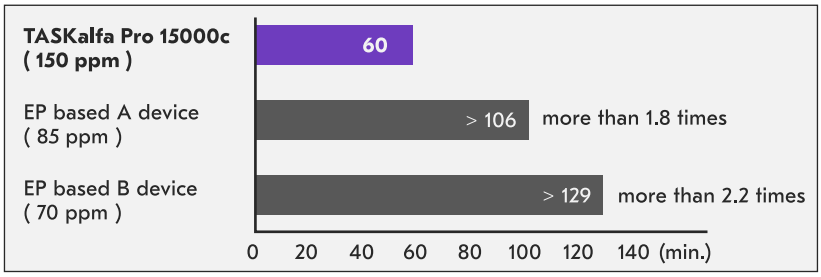
1 High Productivity

A Significant speed advantage and non-stop production system deliver the productivity for every print environment.

A Significant Speed Advantage

Kyocera's high speed inkjet technology and large print heads enable fast single pass printing. Our highly reliable paper transport system combined with a stable and rapid paper supply provides maximum reliability for sustained high volume production.
Victoria can continue printing an hour without any image quality deterioration.

Time to complete continuous printing job of 9,000 sheets.



Non-stop Production

1. High Capacity of Paper Input and Output

The mainframe of the TASKalfa Pro accommodates 4,000 sheets. With optional Paper Feeders and 550-sheet Multipurpose Tray, up to 14,310 sheets can be fed into the system. In combination with the 5000-sheet Stacker (up to 2 connected units) and the 4000-sheet Finisher, as well as 500-sheet output capacity from the upper right tray of the mainframe, the TASKalfa Pro 15000c enables up to 15,200 sheet output.

2. Load or Unload Paper While Printing

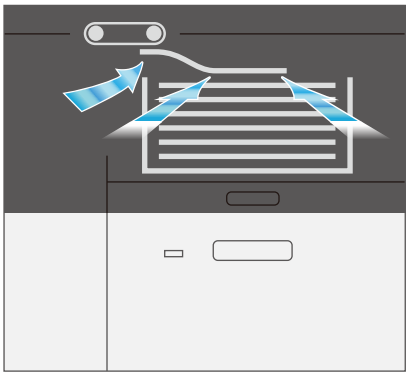
The TASKalfa Pro 15000c lets you load paper while printing. It also lets you unload paper from the 5000-sheet Stacker to a second stacker or tray to ensure continuous output.

3. Sub Ink Tank Supports Continuous Operation

The sub ink tank reservoirs in the ink supply path ensure a continuous supply of ink. The TASKalfa Pro 15000c allows uninterrupted output while changing ink containers during operation.

Air Pick System

Optional high capacity Paper Feeder adopts a vacuum feed air pick system. The air pick system lifts and separates paper using airflow from the sides and above to ensure reliable paper feeding. This system virtually eliminates multi-sheet feeding while ensuring stable transport for large production runs.



220 ipm Single-pass Dual Scanner *Standard

The standard single-pass, dual scanner enables 220 ipm (300dpi/A4) high speed scanning of both full-color and black/white. Up to 270 sheets can be loaded in the tray, enabling speedy document capture. The multiple feed detection system helps to achieve reliable feed and productivity.

2 Superb Print Quality

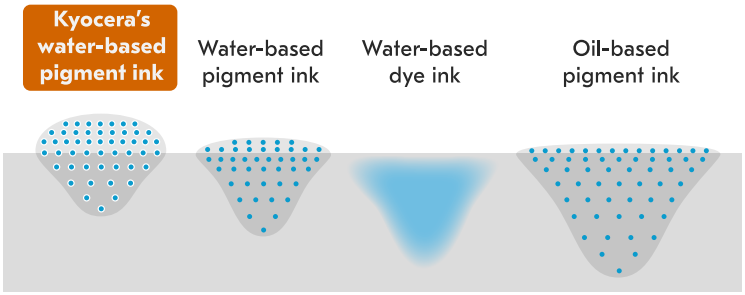
The TASKalfa Pro 15000c provides color consistency and stability to ensure outstanding quality results to meet the demands of the production print industry.

Consistent Color Quality

Unlike electrophotography, inkjet production printer discharges ink directly into the paper. Inkjet systems are simpler and more reliable than electrophotography as they do not require multiple processes such as charging or exposing a drum or belt, development, transfer and fusing. The TASKalfa Pro 15000c achieves great image stability. Its inkjet head ensures consistent output via stable output density enabled by the exclusive high pigment ratio and high permeability inks developed by Kyocera.

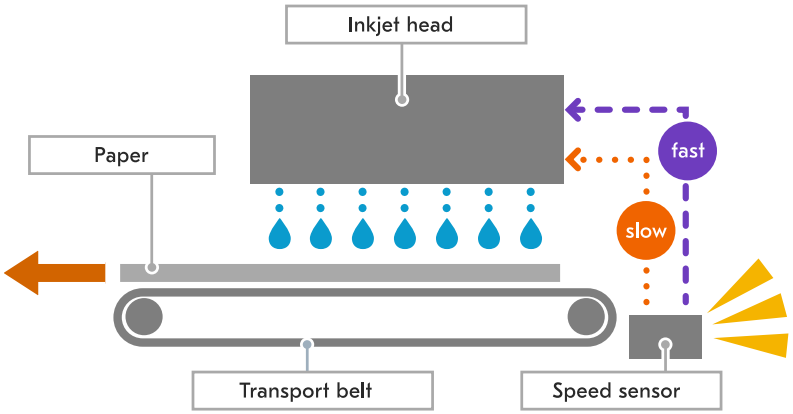
High Speed Printing Ink

The TASKalfa Pro's inks provide superior lightfastness and water resistance. These inks were developed exclusively for the TASKalfa Pro 15000c. Compared to oil-based inks, these inks have a wider color gamut and a better color development. They also prevent feathering as well as ink bleeding.



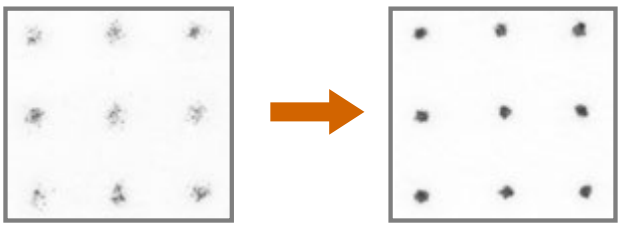
Dynamic Discharge Timing

The speed sensor detects minor speed changes of the transport belt and automatically adjusts ink discharging frequency to match the speed of the transport belt. This technology ensures accurate dot position on the paper to achieve outstanding image quality and color consistency without color shift.



Excellent Dot Reproduction

Dot reproduction is relatively coarse for toner-based printers, due to the larger dot diameter and the imprecision of electrophotography vs. inkjet printing. Inkjet technology delivers smaller dots for superior reproduction of text, hairlines and gradients. Inkjet printing also achieves smoother color reproduction compared to electrophotography, due to its tone reproduction curves.



EP (Toner)

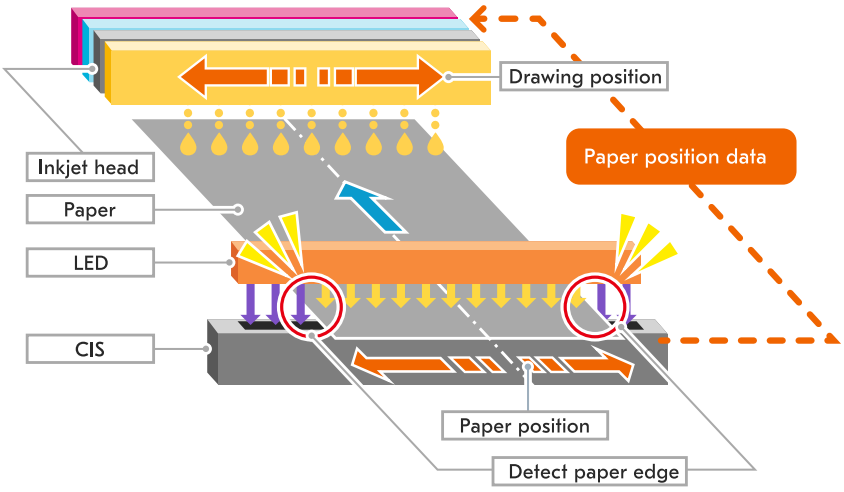
Inkjet

(Printing on Inkjet matte paper)

*Ink running changes depends on paper.

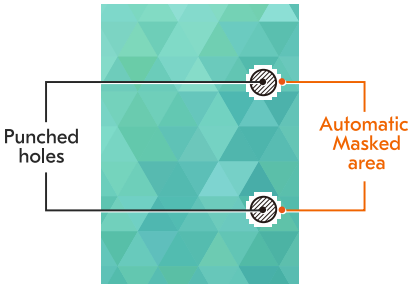
High-precision of Front-to-back Registration

The CIS (contact image sensor) senses paper position during duplex printing and sends paper position data to the video controller in real time. The TASKalfa Pro 15000c prints correctly and automatically using paper position data to digitally align the images on both sides of paper. This enables precise front-to-back registration without using any moving parts.



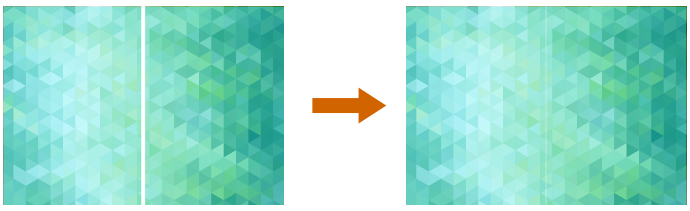
Automatic Masking

The CIS detects the shape, size and location of punched holes. It automatically masks image data to ensure ink is discharged only on the media. This system also masks image data for folded media to ensure optimal system operation.



White line Compensation

If a white line appears on paper, you can use the correction mode to compensate the line. After the mode activated, a clogged or non-discharging nozzle are detected automatically, then nozzles near the clogged or non-discharging nozzle starts ink ejection to minimize white lines.



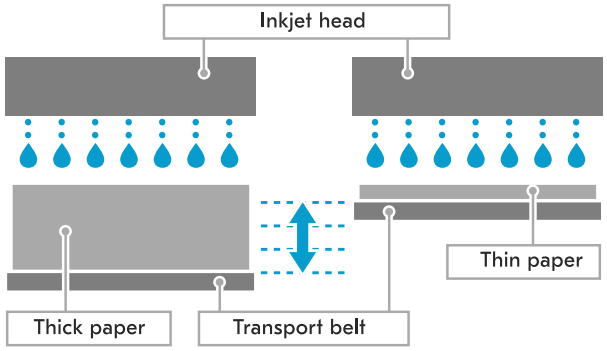
3 Wide Media Handling

The TASKalfa Pro 15000c productively prints on a wide variety of media sizes, weights and types, expanding the range of profitable printing applications.

Wide Variety of Media Handling

Throw distance* adjustment ensures optimal print head placement for a wide variety of media. The TASKalfa Pro 15000c can print on plain, thick, inkjet, inkjet matte tab, emboss and postcard as well as envelopes and banners. The TASKalfa Pro 15000c enables reliable printing on paper as thin as Max 360g/m². It also supports an extensive range of standard paper sizes from A6 to SRA3 (4.1″ x 5.8″ to 13″ x 19.2″). The optional banner tray supports extra-long paper sizes up to 1,220 mm or 48″.

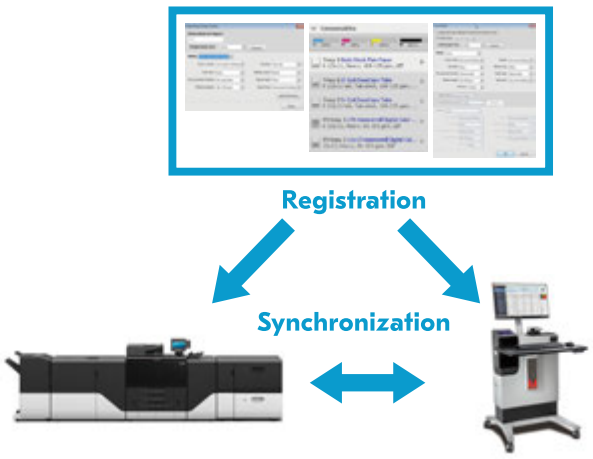
* Throw distance: The distance between inkjet head and media.



Paper Catalog

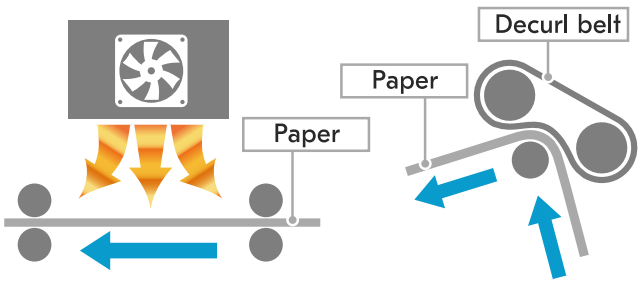
The embedded paper catalog provides Kyocera recommended paper profiles for the TASKalfa Pro 15000c. The paper catalog includes paper information such as type, size, weight and coating. In addition, you can define print engine adjustments for each type of registered paper. You can register printing conditions such as front-end timing adjustment and curl adjustment for each media type in the stock catalog. Paper profile synchronizes with TASKafla Pro' s controller and Fiery Print Server.

*Registration and deletion of media type under Fiery environment can only be done via Fiery Print Server.



Optimal Curl Adjustment

The double decurler system using both a mechanical decurler and a warm-air-heating decurler provides optimal curl adjustment for different media types. The DE-9100 (Inverter and Decurler Kit) uses a high speed hot air drying fan and decurl belt to control paper curl for optimal post-processing.



4 Optimized In-line Options

Optimum versatility with feeding, stacking and finishing options let you customize the system that is right for your business.

Optional Input / Feeder

Up to 14,310 sheets *1

1. Paper Feeder

Total feed capacity of 4,880 sheets using two trays. Configurations with up to 2 Paper Feeders are available. The equipped vacuum feed air pick system lifts and separates paper using airflow from the sides and front to ensure reliable feeding of papers up to 360 g/m^2.

2. Bridge Kit for Paper Feeder

Required when configuring a system with two Paper Feeders.

3. 550-sheet Multipurpose Tray Kit

Feed capacity of 550 sheets. Supports paper sizes up to 330 x 700 mm (13" x 27.56") from the multipurpose tray. Supports banner sheets up to 1,220 mm (48") with the optional banner tray.

4. Bridge Kit for Main Unit to Paper Feeder

Required when configuring a system with a Paper Feeder.

Other Option

5. Status Indicator Light

The optional status indicator light provides diagnostics via green, yellow and red LED lights that are clearly visible from a distance.

Optional Output / Finisher

Up to 15,200 sheets *2

6. Inverter and Decurler Kit

Required when configuring systems with the mainframe and optional output accessories. It dries the media, reducing curling and ensuring consistent output.

7. 5000-sheet Stacker

Stacking capacity of up to 5,000 sheets. The roll-away cart neatly and easily transports finished prints. Configurations with up to 2 connected units are available. 1 roll-away cart is standard with each 5000-sheet Stacker.

8. Bridge Kit for Stacker to Finisher

Required when configuring a system with a 5000-sheet Stacker or 4000-sheet Finisher.

9. 4000-sheet Finisher

Stacking up to 4,000 sheets. Supports offset stacking and stapling, up to 100 sheets.

10. Folding Kit
Optional Finisher module enables inline finishing.
- Saddle Stitch
- Bi-Fold
- Tri-Fold

11. Hole Punch Kit
Optional Finisher module enables 2 or 3 hole punching.

12. Banner Tray
Optional Finisher module Paper Output Tray for Banner.

*1 incl. Standard paper feed tray
*2 incl. Standard paper output tray

5 Selectable Controllers and Applications

Enables efficient production and superior quality with the TASKalfa Pro's controller or with the optional Fiery Print Server.

TASKalfa Pro's Controller *Standard

1. Native PDF Processing

Kyocera's unique High Speed PDF Processing technology directly processes PDF files without conversion. PDF/X and PDF/VT files are processed efficiently to ensure high productivity.

2. Command Center RX

Command Center RX (CCRX) makes daily operations quick and simple. CCRX helps users to look at important job and printer information such as ink levels, paper availability and access device settings via web browser.

3. Variable Data Printing

The TASKalfa Pro's controller supports concurrent processing and printing of PDF/vt 1.0 and PPML 2.0 jobs for optimal productivity when processing large variable jobs.

*Below is the available application software vendors related VDP job making.

Objectif Lune (Vendor Home Page: https://www.objectiflune.com/en/)
Printshop Mail Connect supports to do imposition and VDP. PlanetPress Connect also supports same features, it automates workflow and streamlines transaction and trans promo printing.

Quadient (Vendor Home Page: https://www.quadient.com/)
Quadient Inspire supports making layout e.g., imposition and VDP. It's intuitive and easy-use interface also support to automate workflow. It also supports Transactional and Promotional printing e.g., Transaction, Direct mail and Flyer.

Fiery Print Server *Optional

1. Fiery Print Server

Fiery's unique combination of hardware and software handles high-resolution jobs at high speed. Since sending data to the printing machine is also processed at high speed, productivity and working efficiency are maintained.

2. Adobe PDF Print Engine

Supports APPE 4.4, a high-performance printing environment. Processing PDF job at high speed without converting it to PostScript increase workflow efficiency.

3. Fiery Workflow Suite

Improves work efficiency by automating repetitive work. Supports JDF and enables connection with 3rd vendor products. Unifies various Fiery products to provide high value-added services as a whole.

4. EFI Digital StoreFront Web-to-Print

Automates the flow of sending client jobs to the appropriate printing machine. Simplifies online ordering via website, shortens delivery time and lower the cost.

5. Fiery Impose / Compose / Job Flow

These MakeReady software streamline labor-intensive print preparation tasks. Responds to diverse customer needs such as scanning, page numbering, chapter creation, layout creation, as well as imposition of VDP printing.

6. Fiery Variable Data Printing

Supports most industry standards such as Fiery FreeForm™, PPML 2.0 / 2.5 / 3.0, PDF / VT-1 and 2, Creo VPS, Xerox VIPP. Enables RIP processing of the VDP language at high speed.

7. Fiery Color Profiler Suite

Offers comprehensive support for color management including creation, editing and management of ICC compliant color profiles and color matching of multiple printing machines.

6 Exceptionally Easy to Use

Maximizes productivity by letting you replace key components and consumables in moments.

Short Maintenance Time

The TASKalfa Pro 15000c requires minimal maintenance. The TASKalfa Pro 15000c is designed to make maintenance quick and easy for the press operator. Daily calibration is not required to achieve consistent color.

Full Front Access

Full front access to all key machine components ensures quick and easy maintenance and minimum downtime. All consumables are user-replaceable from the front of the machine.

Intuitive Operation

The standard touch panel (9″) provides a unified and simple to use interface for the most important press and job management functions.

Easy to Notice Indicator Functions

Status Indicator Light

The optional status indicator light provides diagnostics via green, yellow, red LED lights that are clearly visible from a distance and sound.

Cassette Status Indicator

The cassette status indicator lets the operator know which cassettes are in use and which are empty.

Paper Jam Solving Lamp

If paper jam occurs, LED lamps at the jammed part would turn on. Then a flash lamp indicates where you should start to solve the jamming problem.

Professional Settings

The TASKalfa Pro 15000c provides Professional Settings for minimizing machine downtime. After completing training, trained users can perform proactive maintenance and replace key components. Kyocera provides a Professional Settings training program and a Professional Settings service manual for Pro users*1.

*1 Users who are allowed to execute machine maintenance on the condition that the user completes vendor-designated training sessions.

7 Eco-friendly Advantages

The TASKalfa Pro 15000c reflects our decades-long commitment to sustainable products and manufacturing.

Low Power Consumption

Electrophotography requires a lot of energy whereas inkjet printing, which does not require heat to fuse toner, reduces power consumption significantly.

Low Emission

Low temperature operation and water-based pigment inks reduce VOC (Volatile Organic Compounds) and UFP (Ultrafine Particles).

Fewer Replacement Parts

Electrophotography requires consumables, such as developer and drums or belts which need to be replaced on a regular basis. By contrast, inkjet's direct discharging printing does not require consumable parts which substantially reduces waste.

8 Enhanced Security

The TASKalfa Pro 15000c is equipped with various security features.

I/F Block

Blocks unauthorized access routes to the device and prevents information leakage in the device by closing unused network ports and USB ports.

User Authentication Correspondence

Blocks unauthorized use, as well as unauthorized access of the device, and prevents information leakage in the device by identifying the user who operates.

Enhanced Security with Data Encryption

Enables automatic overwriting and erasing of copying, scanning, and printing data remaining on the hard disk or SSD. Prevents the original information from being decrypted, even if the data is stolen due to the unauthorized access by encrypting and writing the data.

TASKalfa Pro 15000c Suggested Configuration

Standard Model

Main Unit
Optional Input
PF-9100 Paper Feeder
AK-9110 Bridge Kit for Main Unit to Paper Feeder
Optional Output
DE-9100 Inverter and Decurler Kit
DF-9100 4000-sheet Finisher

Base Model

Main Unit
Optional Input
DE-9100 Inverter and Decurler Kit
DF-9100 4000-sheet Finisher

Printing Service Provider Model 1

Main Unit
Optional Input
PF-9100 Paper Feeder
AK-9110 Bridge Kit for Main Unit to Paper Feeder
Optional Output
DE-9100 Inverter and Decurler Kit
ST-9100 5000-sheet Stacker

Printing Service Provider Model 2

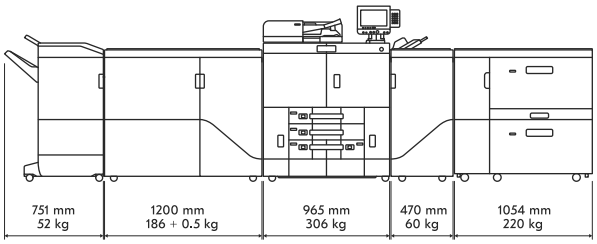
Main Unit
Optional Input
PF-9100 Paper Feeder
AK-9110 Bridge Kit for Main Unit to Paper Feeder
Optional Output
DE-9100 Inverter and Decurler Kit
ST-9100 5000-sheet Stacker

Full System Model

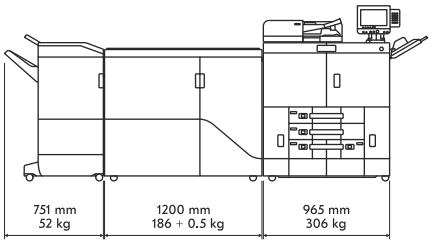
Main Unit
Optional Input
PF-9100 Paper Feeder x 2 units
AK-9130 Bridge Kit for Paper Feeder
AK-9110 Bridge Kit for Main Unit to Paper Feeder
PF-9110 550-sheet Multipurpose Tray Kit
Optional Output
DE-9100 Inverter and Decurler Kit
ST-9100 5000-sheet Stacker x 2 units
AK-9120 Bridge Kit for Stacker to Finisher
DF-9100 4000-sheet Finisher

TASKalfa Pro 15000c Dimensions

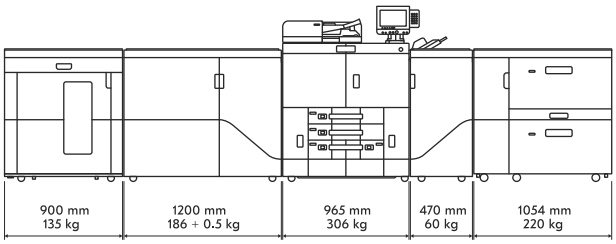
Standard Model



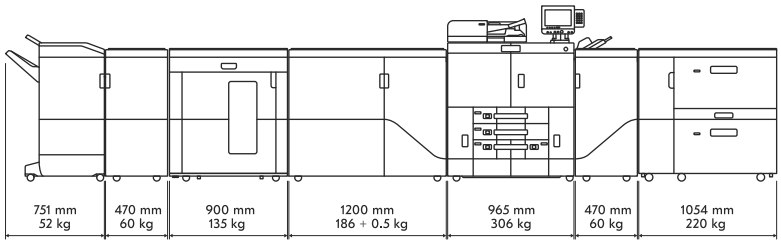
Base Model



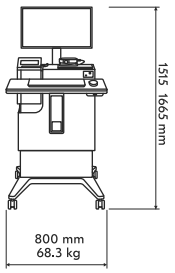
Printing Service Provider Model 1



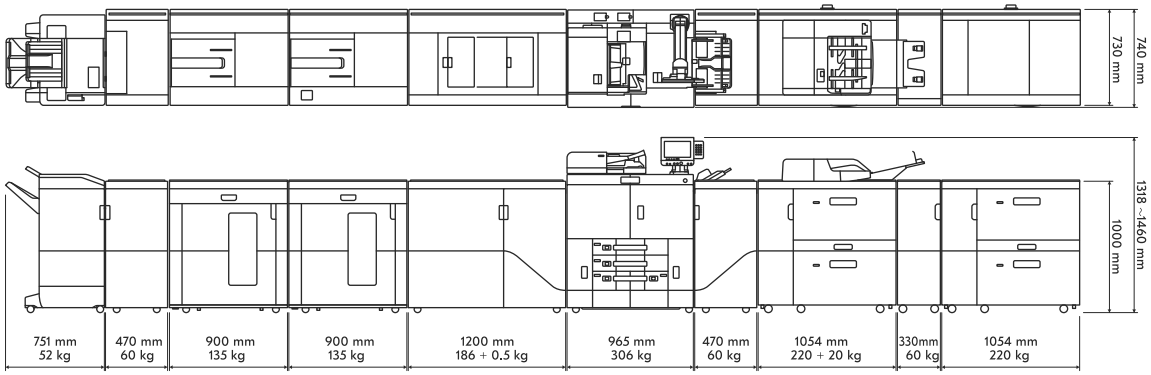
Printing Service Provider Model 2



Fiery Print Server



Full System Model



TASKalfa Pro 15000c Specifications

GENERAL / PRINT FUNCTIONS

Print Type: Line-type inkjet full color system
Ink Type: Water-based pigment ink
(Cyan, Magenta, Yellow, Black)
MDC(Monthly Duty Cycle): 1,000K
Print Speed (Simplex/Duplex):
A4: 150 ppm/150 ppm (75 sheets),
A3: 88 ppm/88 ppm (44 sheets),
SRA3: 75 ppm/75 ppm (37 sheets),
A3W: 74 ppm/74 ppm (37 sheets)
Available Thickness Printing at Rated Speed: Up to 360 g/m²
Print Resolution: 600 x 600 dpi, 600 x 1,200 dpi
Data Processing Resolution: 600 x 600 dpi, 600 x 1,200dpi
Warm Up Time: 120 seconds or less (w/DE-9100 15 minutes)
First Print Time: 5.5 seconds or less
Memory / HDD: 4.5 GB RAM / 32 GB SSD + 1 TB HDD
Control Panel: Full-color 9" touch panel
Electrical Requirements: AC 100 - 240V, 50/60 Hz
Dimensions (W x D x H): 965 x 740 x 1,318 mm
Weight: 306 kg

PAPER HANDLING

Paper Size: Standard trays: A6R to SRA3,
Multipurpose tray: A5 to A3W (330.2 mm x 487.7 mm),
Paper Feeder tray (PF-9100): 100 x 139.7 mm - SRA3
Paper Weight: Standard trays: 52 - 360 g/m²,
Multipurpose tray (PF-9110): 52 - 216 g/m²,
Paper Feeder tray (PF-9100): 75 - 360 g/m²
Paper Input Capacity: Standard tray: 4,000 sheets,
Multipurpose tray (PF-9110): 550 sheets,
Paper Feeder trays (PF-9100):
4,880 sheets x 2, up to 14,310 sheets
Paper Output Capacity: Finisher (DF-9100): 4,000 sheets,
Stacker (ST-9100): 5,000 sheets x 2 , up to 14,000 sheets

COPY FUNCTIONS

Max. Original Size: A3
Single-sided Continuous: A4: 150 ppm
First Copy Time: 5 seconds or less
Continuous Copy: 1 — 9999
Copy Resolution: 600 x 600 dpi

SCAN FUNCTIONS

Scan Type: Color
Original Paper Size: Same as copy functions
Scan Speed (Color & B/W):
Simplex: up to 120 ipm (300 x 300 dpi),
Duplex: up to 220 ipm (300 x 300 dpi)

CONSUMABLES

Ink Container : IK-71XX (C/M/Y/K)
Ink filling amount:1,300ml (C/M/Y/K)
Staples for Folding Kit: SH-10
Capacity: 15,000 staples (5,000 x 3)
Staples for 100-sheet Stapling: SH-14
Capacity: 25,000 staples (5,000 x 5)

PAPER FEED OPTIONS

Paper Feeder: PF-9100
Paper Size: A6R - SRA3
Paper Weight: 52 - 360 g/m²
Input Capacity: 4,880 sheets x 2
Electrical Requirements: AC 100 - 240V , 50/60 Hz
Power Consumptions: 860 W or less
Dimensions (W x D x H): 1,054 x 730 x 1,000 mm
Weight: 220 kg

550-sheet Multipurpose Tray Kit: PF-9110
Paper Size: A5R - SRA3
Paper Weight: 52 - 216 g/m²
Input Capacity: 550 sheets
Power Consumptions: 70 W or less
Dimensions (W x D x H): 690 x 561 x 210 mm
Weight: 20 kg

Banner Tray for 550-sheet Multipurpose Tray Kit: Banner Guide 11
Paper Size: Width: 210 - 330 mm, Length: 139 - 1,260 mm
Paper Weight: 52 - 216 g/m²
Input Capacity: 550 sheets (330.2 x 700 mm),
1 sheet (330.2 x 1,220 mm)
Dimensions (W x D x H): 1,090 x 561 x 210 mm
Weight: 4 kg

Bridge Kit for Main Unit to Paper Feeder: AK-9110
Dimensions (W x D x H): 470 x 740 x 1,000 mm
Weight: 60 kg

Bridge Kit for Paper Feeder: AK-9130
Dimensions (W x D x H): 330 x 730 x 1,000 mm
Weight: 60 kg

CONTROLLER OPTIONS

Fiery Print Server: Printing System 50
Type: External server
System Software: Fiery FS300 Pro
Operation System: Windows 10 IoT Enterprise 2016 LTSB
CPU: I7-6700 (3.4 GHz up to 4.0 GHz w/Turbo)
Memory: 16 GB (2 x 8 GB)
HDD: 1 TB SATA
Resolution: 600 x 600 dpi, 600 x 1,200 dpi
Data Format: PS, PDF, TIFF, EPS
Variable Data Format: FreeForm, PPML, PDF/VT, Creo VPS
Interface: 10BaseT/100BaseTX/1000BaseT
Networking Protocols: TCP/IP, Apple Talk, SMB
Supported OS: Windows 10, Mac OS
PDL: Adobe PostScript 3, APPE, PCL5/PCL6
Available Fonts: 138 fonts for Adobe PostScript 3
Electrical Requirements: AC 100 - 240 V, 50/60 Hz
Power Consumption: 87 W
Dimensions (W x D x H): Print server: 900 x 730 x 1,000 mm,
Furniture stand: 815 x 1,016 x 1,537 mm
Weight: Print server: 20 kg, Furniture stand: 28 kg
Interface Board for Fiery Controller:
Printing System Interface Kit 50
Weight: 1 kg

OUTPUT & FINISHING OPTIONS

4000-sheet Finisher: DF-9100
Stack Capacity: Main tray: 4,000 sheets , Sub tray: 200 sheets
Max. Paper Size: SRA3
Staple Capacity: Up to 50 sheets (SRA3),
up to 100 sheets (A4), 52 - 300 g/m²
Staple Position: 3 positions: top left, bottom left, center bind
Power Consumptions: 300 W or less
Dimensions (W x D x H): 870 x 687 x 1,181 mm (main tray open),
751 x 687 x 1,109 mm (main tray closed)
Weight: 52 kg

Folding Kit For 4000-sheet Finisher: BF-9110
Saddle Stitching: Up to 20 sheets (below 90 g/m²),
up to A3W, center bind (2-position staple)
Folding: Bi-fold: up to SRA3, 60 - 256 g/m²,
Tri-fold: A4R, 60 - 105 g/m²
Electrical Requirements: AC 100 - 240 V, 50/60 Hz
Power Consumption: 115 W or less
Dimensions (W x D x H): 733 x 446 x 431 mm
Weight: 20 kg

Hole Punch Kit for 4000-sheet Finisher: PH-7A
Punching: 2-hole / 3-hole
Power Consumptions: 105 W or less
Dimensions (W x D x H): 82 x 490 x 100 mm
Weight: 3 kg

Paper Output Tray for Banner: PT-9100

5000-sheet Stacker: ST-9100
Stack Capacity: Shift tray: 5,000 sheets,
A5 - SRA3, 52 - 360 g/m², Proof tray: 250 sheets,
A6 - SRA3, 52 - 360 g/m²
Rollaway Cart: Standard, Optional additional carts available
Electrical Requirements: AC 100 - 240 V, 50/60 Hz
Power Consumption: 105 W or less
Dimensions (W x D x H): 900 x 730 x 1,000 mm
Weight: Stacker: 120 kg, Roll Away Cart: 15 kg

Bridge Kit for Stacker to Finisher: AK-9120
Dimensions (W x D x H): 470 x 740 x 1,000 mm
Weight: 60 kg

Inverter and Decurler Kit: DE-9100
Electrical Requirements: AC 100 - 240 V, 50/60 Hz
Power Consumptions: 2,200 W or less
Dimensions (W xD x H): 1,200 x 730 x 1,010 mm
Weight: 186 kg

OTHER OPTIONS

Status Indicator Light : SL-9100
Power Source: USB host of main body
Power Consumption: 1.2 W or less, ready: 0.2 W
Dimensions (W x D x H): 117 x 100 x 256 mm
Weight: 0.5 kg

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