KONICA MINOLTA

bizhub PRO 951
CUSTOMER EXPECTATION GUIDE

bizhub PRO 951

B/W PRODUCTION PRINTING SYSTEM

Giving Shape to Ideas

INDEX

INTRODUCTION

The bizhub PRO 951 is the ideal black & white system for you to grow in digital print production. It combines robust printing capabilities, outstanding quality, a wide range of finishing alternatives and sophisticated connectivity. The bizhub PRO 951 comes with various features and benefits that enable your economic growth from digital printing.

To make sure that the machine configuration and capabilities are meeting customers' expectations, the following CUSTOMER EXPECTATION GUIDE should help to avoid misunderstandings and shall fix agreements made with Konica Minolta and the customer.

Please note:

- All specifications in this Customer Expectation Guide refer to A4 paper size and a grammage of 80 gsm unless there is no other information.
- All specifications refer to the settings which the customer can select on the machine.

PRODUCT OVERVIEW

- The bizhub PRO 951 comes with high-speed print production of 95 A4 black & white pages per minute for peak volumes of up to 1.5 million A4 pages per month.
- The bizhub PRO 951 series offers 1,200 dpi print resolution to reproduce the fine detail in both images and text.
- The schedule management integrated in the LCD touch panel gives operators an overview of the information needed to best handle all queued jobs.
- Our Simitri® HD toner is a smaller more uniform toner particle for spectacular imaging with superior fine detail.
- Tone Curve Utility tool to help you adjust and correct print data to better match customer specifications. These techniques allow the adjustment of image brightness and contrast over a wide range, without affecting text, to still deliver 100% density.
- For jobs that involve the reproduction of colour documents in black and white, the CIE colour space allows the operator to achieve highly accurate colour conversion
- Auto duplexing with paper in weights up to 300 gsm to produce dual-side prints and copies at blazing 100% engine speed up to 216 gsm.
- It has a 9,000-sheet SRA3 maximum paper capacity using 5 cassettes for highest media choices
- Optimised job processing via high speed RIP in order to provide continuous production

Print volume range

The bizhub PRO 951 is designed for an average monthly print volume (AMPV):

	Monthly Volume	Peak Volume
A4	100,000 – 300,000	1.5 million
A3	50,000 – 150,000	750,000

Customer expectations on print quality, run length, applications and substrates used may influence the Main Prints Between Service Calls.

If customers attend an official Konica Minolta key operator training, this generally leads to an improved performance of their equipment, which helps to raise productivity and reduce service calls.

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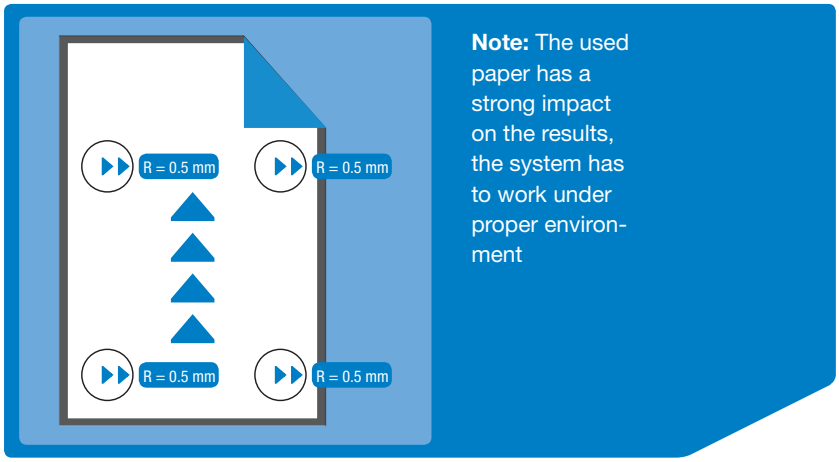
EXPECTATION ON SERVICE

- **Service performance**
  Please note: The following numbers are averages and not guaranteed. Machine performance will vary depending on volume and application. In general the product maintenance intervall is 750,000 A4 prints.

- **Service time**
  The utilisation of the production printing device has an impact on the required service time. Therefore, it has to be considered that downtimes can occur.

- **Paper jams**
  While paper jams are inevitable there are many precautions that can be taken to help reduce the occurrences of these jams.

- **Registration**
  - Image-to-paper placement on a simplex print or the first side of a duplex print can vary up to ± 0.5 mm in the feed direction and ± 0.5 mm cross-feed.
  - Image-to-paper alignment on the second side of automatically duplexed prints can vary up to ± 0.5 mm in the feed direction and ± 0.5 mm cross-feed.
  - Front-to-back alignment can vary up to a maximum of ± 0.5 mm in the feed direction and ± 0.5 mm cross-feed, up to the maximum paper size. This results in a front-to-back paper registration ➜ Less than 1 mm.



- **Speed variations**
  Based on environmental (temperature/humidity), application, paper size, paper thickness, user settings, used data stream and others your machine will vary in output speed.

Special note

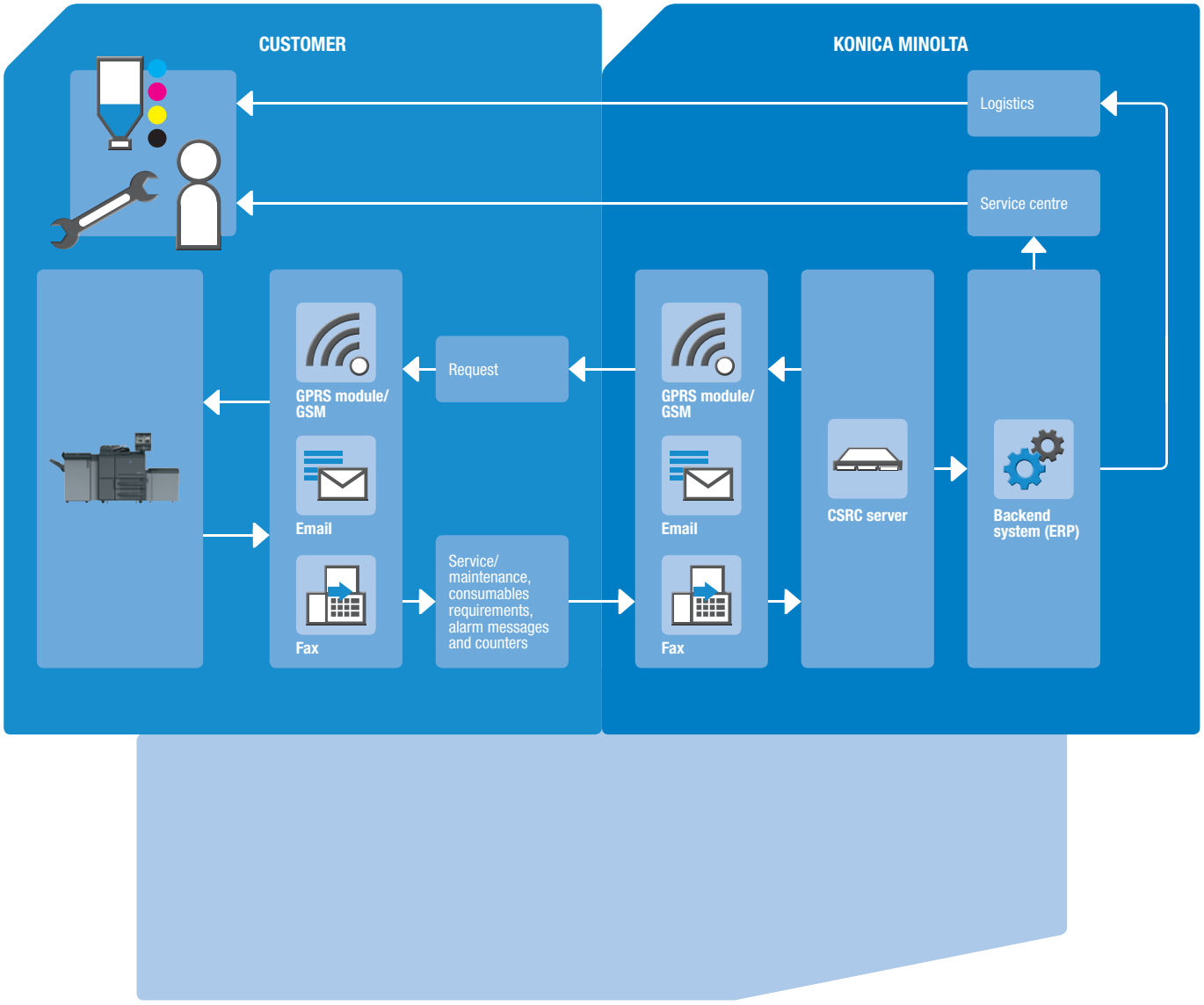
Items that will negatively affect the above expectations:
- Experience of operators
- Quality of input material
- Accessories
- 3rd party devices
- Environment
- Application software and printing related
- Power issues

CS REMOTE CARE (CSRC)

CS Remote Care is an application which enables remote monitoring for maximised performance on each Konica Minolta production printing device. By providing state-of-the-art machine-to-machine communication between output devices and the Konica Minolta service organisation, all relevant system data are relayed in real time. This advises the service side early of routine maintenance or any other required intervention.

The most important transmitted data are malfunction and maintenance notification, automated consumable ordering, copy/print click and periodic counter reading.

Workflow



INSTALLATION

Please note:

– The installation process depends on organisation and contract and could differ from the following explanations.

Konica Minolta responsibilities

Before, during, and after the installation of your production printing device, there will be different teams involved in ensuring your machine is installed as successful as possible. Below is listed up what you can expect from Konica Minolta production printing representatives.

– **Onsite inspection**
  – Power configuration, space requirements, networking and others
  – Review expectations

– **Installation team**
  – Monitor installation activities
  – Schedule the delivery of the hardware
  – Install your production printing device

– **Training / introduction**
  – Provide key operation training
  – Assist you in the ordering process
  – Provide information and assistance on further needs

– **Service**
  – Review preventive maintenance schedules and service procedures
  – Provide ongoing production printing maintenance
  – Assist in resolving hardware and software problems as soon as possible

– **Installation guidelines**
  – The bizhub PRO 951 should not be exposed to direct sunlight, external heat sources, excessive dust and vibration.
  – The bizhub PRO 951 must not be operated in a poorly ventilated room.
  – The bizhub PRO 951 must be located on a stable level floor.
  – Once installed the bizhub PRO 951 is a non-movable unit for all installations on all floor types.
  – Machine faces with ventilation holes must be kept clear from obstacles and objects so that airflow is not impeded.
  – Any special site requirements must be communicated to Konica Minolta prior to the commencement of installation. Additional charges may apply if special equipment is required.
  – Konica Minolta is not responsible for the load bearing capacity of floors, walls, ceilings, fixtures and fittings specific to the Installation site.
  – Konica Minolta is not responsible for any additional building or civil engineering work carried out, prior to, during or after the completion of installation.

– **What to expect during the installation**
  – The Konica Minolta production printing technician will inspect your production printing equipment for damage that may have occurred during transportation.
  – The installation engineer will position the machine into the predetermined location.
  – The installation engineer will install supplies, parts and accessories.
  – The installation engineer will now begin the “copy quality” setup.
  – Once the installation engineer is satisfied with the performance and quality of your machine, they will test some documents of your choice for your inspection.

Constant quality control

A constant product quality is one of the most important conditions for an optimal operation with a new production printing device. Especially new products have to be monitored to eliminate weak points as soon as they occur. Therefore, Konica Minolta service is controlling the field quality of newly launched products regularly, so that counteractions can be taken immediately.

ENVIRONMENTAL AND ELECTRICAL REQUIREMENTS

To minimise down time it is the responsibility of the customer to assure that the production printer's environmental requirements are within the recommended range.

Environmental	**Minimum**	**Maximum**
Temperature	10 °C	30 °C
Relative Humidity (% RH)	10 %	80 %
Better performance is achieved when conditions are maintained between 18–23 °C and 40–60 % RH. (Q Zone)		
Power Consumption (for printer only)		
Maximum	3,300 W or less	
Average	2,038 W	
Standby	445 Wh without energy save 306 Wh with energy save 42.9 Wh sleep mode 0.309 Wh plug in mode	
Current Loads	230 VAC assumed	
Printing	15 Amps	

IMAGE QUALITY

Our perception of image quality varies depending on such factors as ambient light conditions, paper quality, texture and moisture content, all of which have an influence on the image quality. The print quality might also change with time. In case the output quality of a Konica Minolta system is questioned, this should be checked using a standard Konica Minolta print test page.

Some common image quality issues that are experienced by all printers are:

- When printing large area of high toner coverage a small variance across the area may be seen. This will be dependent on toner density and paper stock.
- Depending on the paper qualities used, the paper finish (surface) might be responsible for a “grainy” appearance in the halftone areas. In some cases an alternative media may need to be sought. A slight background may be visible when viewed through a loupe on some papers.
- Heavier paper weights and high toner coverage may produce output with visible roller marks. This effect can be reduced by using face-up single sided output options.
- Small random variations of density may occur in the form of slight bands or lines throughout the image area. There may also be very small shifts in density over a period of time. When producing the second side of a two-sided print, there may be patchiness in density and break up of fine line work. To minimise the occurrence of this issue, it is recommended that the first side of the print is the side with less density.
- Slight banding is normal in all electro-photographic processes and may be noticeable in some areas of an image.
- For an optimum output quality it is recommended to print high quality digital paper. Please refer to the recommended paper list.
- White spot or debris centred deletion is a very common issue in all dry toner/cut sheet fed printing devices. The machine may periodically deliver output that contains white spots caused by paper dust or other miscellaneous particles. This can be minimised by keeping the machine in a dust reduced environment and regularly wiping paper transport areas with an anti-static dust free cloth. If cutting paper, ensure the cut edge is dust free.
- After longer runs of black and white only jobs are printed in process mode, quality may show higher variation over the course of the job.

Duplex printing

The bizhub PRO 951 will automatically duplex paper weights of 40–300 gsm on sizes up to A3, A3+, SRA3 and custom sizes. Manual duplexing on heavy paper weights (greater than 300 gsm and a maximum of 350 gsm) is possible using the middle tray of the PF-706. Special considerations need to be made when printing duplex output on heavy weight paper as the image quality and consistency of the front side might not equal that of the back side. A combination of high toner coverage on the first side, and high paper weights will compound the adverse effects of duplexing on heavy weight papers.

Factors that can improve heavy weight job performance are:
- Lowering toner area/density coverage
- Non-standard size duplexing is supported as long as the paper dimensions are input by the operator and assigned to the tray being used

Image alignment

- Front-to-back image alignment for duplex output has a registration accuracy of +/- 0.5 mm over the document length per side or less. Chart adjustment is available from the operator set up for each individual paper stock for correcting image alignment.
- Factors affecting image alignment include paper type, paper weight, paper moisture content, paper outer shape accuracy, machine setup and feed direction.

Reprint capabilities

- Output of bizhub PRO 951 should not be reprinted, but can be used for post insertion.
- Prints produced on bizhub PRESS or other devices should not be reprinted on bizhub PRO 951.

PAPER SPECIFICATIONS

Paper setting

This section describes how to make a paper setting for each tray. Feature descriptions and usage of “Auto Paper” and “Image Rotation” are also provided.

Paper settings outlines

The paper setting offers two types of usage depending on what the setting is intended for. One is to make the setting for a paper tray which needs paper conditions specified. The other is to register paper conditions for the paper to be used. This section describes how to make the setting for a paper tray.

Paper trays weight

Paper trays	Weight
Mainbody trays (trays 1 to 2)	40–300 gsm; some paper type may not show feeding or printing performance as satisfactory as described in specifications even though its weight is within the above range.
Large capacity tray A4, LU-409 (tray 3)	40–300 gsm
Large capacity tray SRA3, LU-410 (tray 3)	40–300 gsm
Paper feeder unit PF-706 (trays 3–5)	40–350 gsm
Post insertion unit PI-502 (optional for FS-532)	50–200 gsm
The setting or registration/deletion of paper weight to be specified for each paper tray is available in the paper setting from the machine screen. NOTICE: Be sure to use paper only of the weight specified for the tray; otherwise copy quality may be deteriorated or machine trouble may occur.	

Reference

For the paper setting to register paper conditions for the paper to be used, see section 6 of the User's Guide — Main Body. Paper conditions specified for a paper tray can also be registered. That procedure is provided in this section. The paper setting can be made for the following trays:

- Mainbody trays (trays 1 to 2)
- Trays of paper feed unit PF-706 (trays 3 to 5)
- Upper tray/lower tray of post inserter PI-502 mounted on staple finisher unit FS-532

The paper setting for a paper tray is configured with the following 5 paper conditions:
- **Paper type:** Plain, Book/News, Embossed, Fine, Blank Insert
- **Paper size:** Standard, custom, tab paper
- **Weight:** 40–49 gsm, 50–61 gsm, 62–74 gsm, 75–91 gsm, 92–135 gsm, 136–162 gsm, 163–216 gsm, 217–244 gsm, 245–300 gsm, 301–350 gsm
- **Coloured paper:** White, transparent, yellow, pink, blue, green
- **Punch:** Pre-punched, no hole-punch

Additional settings which can be made for each paper type:
- **Both sides adjustment:** Specify magnification ratios (vertical, horizontal) and image shift amounts (up/down, right/left) for both front and back pages, in order to align the images printed on front and back pages in duplex printing. Also, adjust the amount of registration loop. Chart adjustment can be performed for both front and back pages.
- **Air Assist:** Required for paper feed unit PF-706 (trays 3-5).

Paper size

With the tray specified as standard, the machine automatically detects the standard size loaded in that tray.

Paper weight equipment

Paper trays		Weight
ADU		40–300 gsm
Stapling unit FS-532	Primary (main) tray	40–350 gsm; staple: 50–300 gsm
	Secondary (sub) tray	40–350 gsm
Punch kit PK-522		60–300 gsm punch mode; 40–350 gsm straight mode
Post inserter PI-502		50–200 gsm PI mode
Saddle stiching kit SD-510 (for FS-532)		Fold & staple: Content sheet: 50–216 gsm Cover sheet: 50–300 gsm (depending on media type) Saddle sticher tray: 50–61 gsm: 25 sheets (24 sheets + 1 sheet) 62–80 gsm: 20 sheets (19 sheets + 1 sheet) 81–91 gsm: 16 sheets (15 sheets + 1 sheet) 92–216 gsm: 5 sheets (4 sheets + 1 sheet) 217–244 gsm: Cover only 245–300 gsm: Cover only Letter fold-in mode: 50–91 gsm: 3 sheets; 92–105 gsm: 1 sheet Centre-fold mode: 50–216 gsm: 1–5 sheets; 217–300 gsm: 1 sheet
Z-Fold unit ZU-608		40–350 gsm straight paper exit Punch mode: 60–91 gsm Fold mode: 60–91 gsm
Multi (GBC) punching unit GP-501		40–350 gsm straight paper exit Punch mode: 75–216 gsm plain; 120–216 gsm other
Auto ring binding unit GP-502		Content sheet: 75–120 gsm Cover sheet: 163–216 gsm Insert: 75–120 gsm Numbers of sheets per book: 7–102 sheets

bizhub PRO 951 PRODUCTIVITY

Productivity per hour

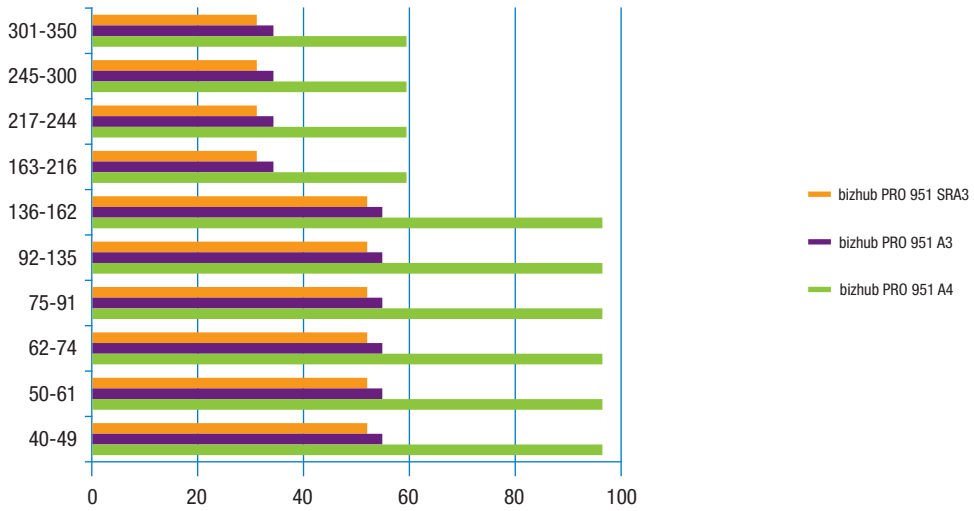
- 95 ppm is the maximum speed per 1 minute for A4 LEF size.
- Many functions keeping image quality are performed during print jobs.
  - Toner supply for transfer belt cleaning
  - Maximum density
- Productivity per an hour can vary upon internal machine adjustments.

Paper size	Pages per hour
A4	up to 5,790 pph
A3	up to 3,300 pph
SRA3	up to 3,120 pph

Simplex production speed

The following chart shows the bizhub PRO 951 simplex production speeds as related to paper weight. Data represents A4 LEF, A3 and SRA3 paper in standard mode.

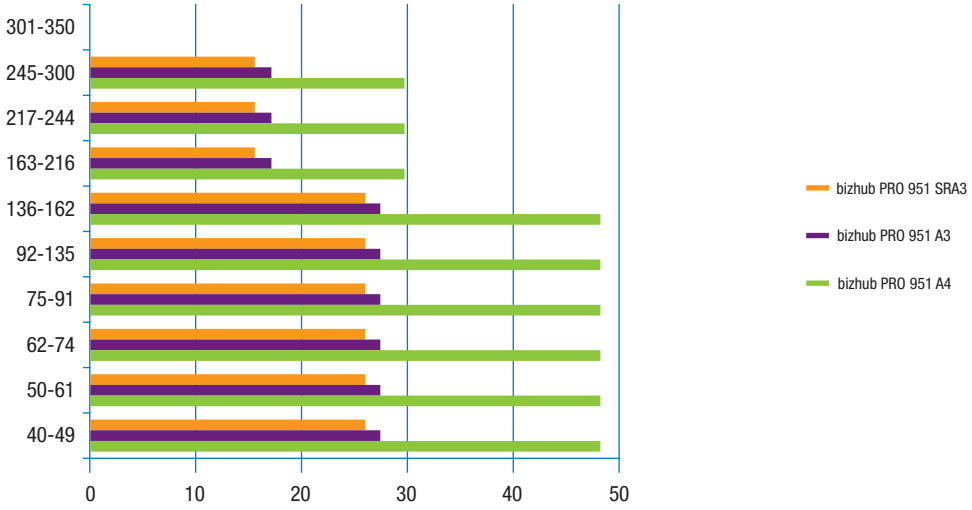
bizhub PRO 951 simplex production speed



Duplex production speed

The following chart shows the bizhub PRO 951 duplex production speeds as related to paper weight. Data represents A4 LEF, A3 and SRA3 paper in standard mode.

bizhub PRO 951 duplex production speed



While a digital press does not stop after each print cycle, the paper path must still be cleared in-between jobs. A new job can only be printed after the last page of the current print job has been output. By compiling several jobs with similar settings into batches, the number of job transmissions to the controller can be reduced. Another way to enhance productivity is to employ Gallop features in order to avoid waiting time during printing.

In case of certain faults, the digital press and RIP power must be switched off and on again for recovery. This can possibly mean that a print job will have to be sent and ripped again.

SPACE REQUIREMENTS

In a carpeted room we recommend the use of a metal plate underneath the press to guarantee a completely safe installation of this digital press. If the bizhub PRO 951 is installed in such environments, it will be impossible to move the system at all.

All standard Konica Minolta space requirements apply to this installation, including the space above, in front of and at the back of the system, as well as shared, aisle or hallway, and operator space. Please also refer to the following page, “Calculating the required space”.

Physical dimensions

The following table shows the overall physical dimensions of each module of the bizhub PRO 951 digital press, including space between the modules when connected into a system.

Module	Width mm	Depth mm	Height mm	Weight kg
Engine	990	910	1,454	372
PF-706	809	780	1,038	150
LU-409	436	639	709	30
LU-410	715	639	700	43
ZU-608	169	660	930	38
FS-532 with installed main tray	798	723	1,070	74
GP-501	305	775	1,016	80
GP-502	655	944	1,020	193

Calculating the required space

Use the following instructions and table to calculate the total space required for the installation of your digital press. Please use the diagram provided with the calculation table for a visual impression of the required space.

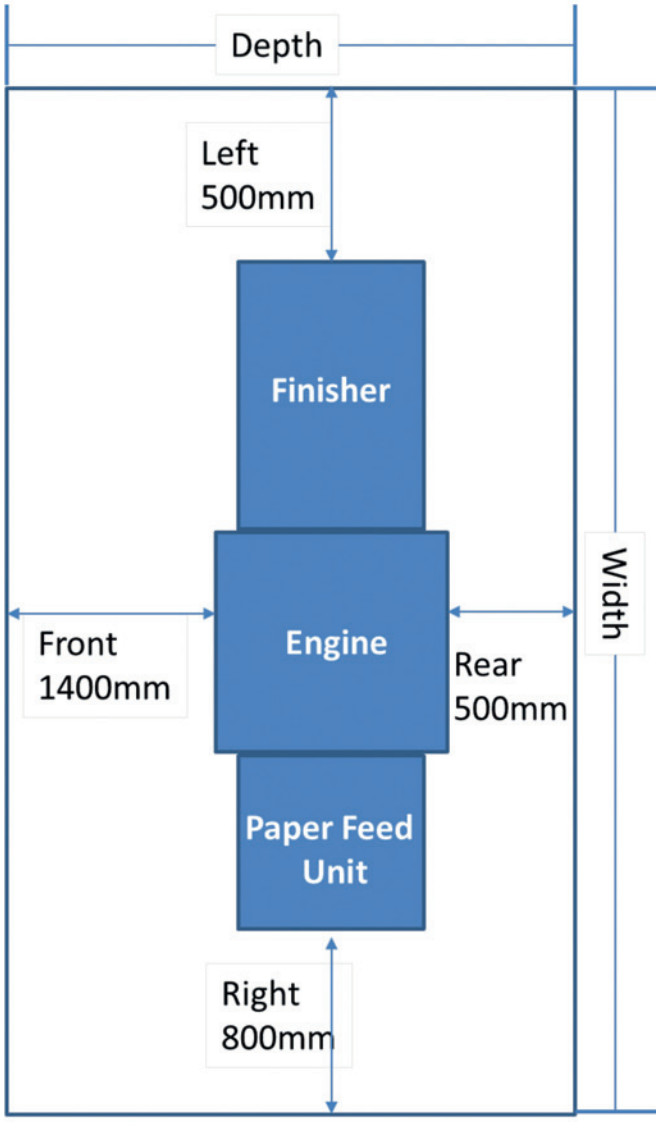
How to calculate the space requirements

- Indicate all modules in the table, which will be installed at the location.
- Add the widths of all marked modules and enter the sum in line two under the width column.
- Add 500 mm for the left and 800 mm for the right space requirement to this total.
- Enter the total width required for the installation in the shaded area in line seven.
- Add 1,400 mm as the front space requirement to the engine depth of 500 mm; also add the rear space requirement, which depends on the system being movable or non-movable.
- Enter the total depth required for the installation in line seven. These figures are the minimum width and depth of the space required for the bizhub PRO 951 system to ensure safe working conditions for operators and the Konica Minolta service representative.

Calculation table

Steps to follow as described above	Module	Width mm	Depth mm
1 Components space	Engine	990	910
	PF-706	809	780
	LU-409	436	639
	LU-410	715	639
	ZU-608	169	660
	FS-532	798	723
	GP-501	305	775
	GP-502	655	944
2 Total space of the system			
3 Left space (recommended)		500	
4 Right space (recommended)		800	
5 Rear space (recommended)			500
6 Front space (recommended)			1400
7 Total workspace requirement			

Customer expectation agreement



TECHNICAL SPECIFICATIONS

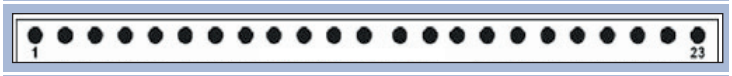
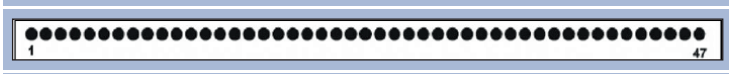
RH-101 - REMOVABLE HDD KIT	
Type	HDD housing to mount machine's original HDDs on top of engine
Dimension (W x H x D)	230 x 110 x 270 mm
Power source	From mainbody

HD-511 - INNER CASE KIT WITH HDD	
Type	Rack with 160 GB HDD for multiple HDD use
Power source	From mainbody

LU-409 - LARGE CAPACITY TRAY	
Type	Large capacity Tray A4
Capacity	4,500 sheets
Paper weight	40 – 300 gsm
Paper format Min.	250 x 176 mm
Paper format Max.	314 x 229 mm
Dimension (W x H x D)	436 x 709 x 439 mm
Weight	30 kg
Power source	From mainbody
Max. power consumption	82 W or less

LU-410 - LARGE CAPACITY TRAY	
Type	Large capacity Tray SRA3
Capacity	4,000 sheets
Paper weight	40 – 300 gsm
Paper format Min.	195 x 203 mm
Paper format Max.	324 x 483 mm
Dimension (W x H x D)	715 x 700 x 639 mm
Weight	43 kg
Power source	From mainbody
Max. power consumption	100 W or less

PF-706 - PAPER FEED UNIT	
Type	Paper feed unit
Upper/Lower tray	
Capacity	2,000 sheets
Paper weight	40 – 300 gsm
Paper format	SRA3, A3, B4, ISOB4, SRA4, SRA4S, A4, A4S, B5, ISOB5, B5S, ISOB5S, A5, A5S, B6S *1, ISOB6 *1, A6S *1, A4 tab
Min.	95 x 139 mm*
Max.	324 x 463 mm
Middle tray	
Capacity	2,000 sheets
Paper weight	40 – 350 gsm
Paper format	SRA3, A3, B4, ISOB4, SRA4, SRA4S, A4, A4S, B5, ISOB5, B5S, ISOB5S, A5, A5S, B6S *1, ISOB6 *1, A6S *1, A4 tab
Min.	95 x 139 mm *1
Max.	324 x 463 mm
Dimension (W x H x D)	809 x 1038 x 780 mm
Weight	150 kg
Power source	From mainbody
Max. power consumption	100 W or less
*1 - In case of using less than 140 mm width paper, small size guide is necessary	

GP-501 - MULTI (GBC) PUNCHING UNIT		
Type		GBC puncher
Punch mode		
Media format		A4
Media type		For bypass: Same as mainbody For punching: High Quality, Plain, Book
Media weight		Plain: 75–216 gsm Other: 120–216 gsm
Punch precision		Hole size: + 2% or less Position: + 0.5 mm or less Burr: + 0.3 mm or less
Power performance		Offset: + 2 mm or less Speed change: -30 ms or less Punch trash capacity: 2,500 punches
Other specifications		
Options		DS508 – DS513, DS515 – DS-518
Dimension (W x H x D)		305 x 1,020 x 775 mm
Weight		80 kg
Power source		Own power cord
Power consumption		Less then 500 W
Through pass		50 million or 5 years
Punching operation		20 million
DS-508 to 513 and DS-515 to DS-518		500 K
DS-514		300 K
DIE sets		
Media format		A4
DS-508	Ring Binder 4-hole, 6,5 mm diameter	
DS-509	Plastic Bind Cerlox Standard 21-hole	
DS-510	Wire Bind - 3:1 34 hole 4 mm diameter	
DS-511	WireBind - 2:1 23-hole 6,38 mm diameter	
DS-512	Color Coil - 4:1 47-hole	
DS-513	VeloBind - 1:1 Round 12-hole	
DS-514	ProClick A4 34-hole die set	
DS-515	Ring Binder 2-Hole A4 die set 6,5 mm diameter	
DS-516	Plastic Bind Cerlox 20-Hole	
DS-517	W2 Wire Bind A4 Square hole side set for Australia	
DS-518	W3 Wire Bind A4 Square hole side set for Australia	

GP-502 - AUTO RING BINDING UNIT	
Type	Automatic (GBC) ring binder
Modes	Bind mode, through pass mode
Binding mode	
Media format	A4, A4 tab
Media type	Plain, High Quality, Tab, OHP (front cover only)
Media weight	Content pages: 75 – 120 gsm
	Cover pages: 163 – 216 gsm
	Inserts: 75 – 120 gsm
Numbers of sheets per book (incl. Front and Back cover)	75 gsm: 7 – 102 sheets
	80 gsm: 7 – 96 sheets
	90 gsm: 7 – 85 sheets
	100 gsm: 7 – 76 sheets
	120 gsm: 7 – 64 sheets
Book Tray capacity	7 sheet booklet – 30 books or less
	20 sheet booklet – 25 books or less
	102 sheet booklet – 8 books or less
Other specifications	
Dimension (W x H x D)	655 x 1,020 x 944 mm
Weight	183 kg
Power source	Own power cord
Power consumption	Less then 190 W
Through pass	60 million or 5 years
Punch and binding operation	18 million or 5 years

ZU-608 - Z-FOLD UNIT		
Type		Z-fold and punch unit
Modes		Z-fold, half-fold, punching
Straight mode		
Function		Exit to main tray without process
Media format		A3, B4, A4, A4S, B5, B5S, A5, A5S, B6S, SRA3, SRA4, SRA4S, ISOB5, ISOB5S, ISOB4, free paper, wide paper, standard tab paper
Min.		95 x 139 mm
Max.		324 x 483 mm
Media weight		40–350 gsm
Fold mode		
Function		Z-fold, half-fold
Media format		A3, B4
Media type		Plain, Fine
Media weight		60–91 gsm
Punch mode		
Function		2 hole and 4 hole punching
Media format	2 holes	A3, B4, ISOB4, SRA4S, A4, A4S, B5, ISOB5, B5S, A5, A5S
	4 holes	A3, B4, A4
Media type		Plain; Fine
Media weight		60–91 gsm
Other specification		
Dimension (W x D x H)		169 x 660 x 930 mm
Weight		38 kg
Power source		Own power supply
Power consumption		Less than 120 VA

FS-532 - STAPLING UNIT			
Type	100-sheet staple finisher, with inline clinch and staple cut		
Modes	Straight exit mode, offset mode, staple and sub staple mode, sub tray mode		
Offset group/Offset sort mode			
Function	Exit paper without treatment on the main tray		
Media format	Big: A3, B4, SRA3, SRA4, SRA4S, ISOB4 Small: A4, A4S, B5, B5S, 16KS, ISOB5, ISOB5S Minimum: A5, A5S, B6S,		
Min.	95 x 139 mm		
Max.	324 x 483 mm (sub tray)		
Media type	Plain, Fine, Book/News, Embossed, Tab Paper, Blank Insert		
Media weight	40 – 350 gsm		
Tray capacity	Printing direction length	Paper weight in gsm	Sheets
	320 mm or longer (A3, B4, 11 x 17)	80 gsm	2,000
	250 to 319 mm (A4, B5, 8.5 x 17)	80 gsm	4,200
	249 mm or shorter (A5, 5.5 x 8.5)	80 gsm	750
Staple and subset staple mode			
Function	After staple, exit the paper on the man tray		
Media format	A3, B4, A4, A4S, B5, A5, SRA3, SRA4, SRA4S, ISOB5, ISOB4, free paper, wide paper, standard tab paper		
Min.	203 x 139 mm		
Max.	324 x 483 mm		
Media weight	50 – 300 gsm		
Tray capacity	Staple Mode	182 – 364 mm	Except the left
	2 – 9	150	75
	10 – 20	50	50
	21 – 30	30	30
	31 – 40	25	25
	41 – 50	20	20
	51 – 60	15	15
	61 – 100	10	10
Staple capability	Please see next page		
Staple position	1 in the back (parallel/45 degrees), 1 in the front (parallel), 2 in the centre pitch (pitch: 120 mm, 140 mm and 165 mm)		
Storage capacity for cut staple needles	150k or more		
Sub tray mode			
Function	Exit paper without treatment on the sub tray		
Media format	A3, B4, A4, A4S, B5, B5S, A5, A5S, B6S, A6S, postcard-S, SRA3, SRA4, SRA4S, ISOB5, ISOB5S, ISOB4, free paper, wide paper, standard tab paper		
Min.	95 x 139 mm		
Max.	324 x 483 mm		
Media type	All engine supported		
Media weight	40 – 350 gsm		

Other specifications	
Dimension (W x H x D)	544 x 1.070 x 723 mm (excl. main tray) Width incl. main tray (retracted): 798 mm
Weight	Approx. 74 kg
Power source	From mainbody
Power consumption	144 W or less
Durability	50 million or 5 years

FS-532 – STAPLE CAPABILITY

	Number of staple sheets						
	Plain		Fine			Plain paper/except fine	
Media weight	Less than 400 mm	400 mm or more	320 mm or less	321 to 399 mm	400 mm or more	Less than 400 mm	400 mm or more
49–49 gsm	–	–	–	–	–	–	–
50–61 gsm	100	50	50	20	–	35	35
62–74 gsm	100	50	50	20	–	35	35
75–80 gsm	100	50	30	30	30	35	35
81–91 gsm	60	50	30	30	30	35	35
92–135 gsm	50	50	30	30	30	30	30
136–162 gsm	40	40	30	30	30	25	25
163–216 gsm	25	25	25	25	25	20	20
217–244 gsm	25	25	25	25	25	15	15
245–300 gsm	10	10	10	10	10	10	10
301–350 gsm	–	–	–	–	–	–	–

Staple limitation is based on number of sheets in one set or thickness of one set, whichever is reached first. Max. thickness of one set:
- Paper length 219 mm or less: 23 mm or less
- Paper length 220 mm or more: 20 mm or less

PK-522 - PUNCH KIT	
Type	2/4 holes (selectable)
Compatibility	FS-532
Media format 2 holes	A3, B4, A4, A4S, B5, B5S, A5, A5S, SRA4S
Media format 4 holes	A3, B4, A4, B5
Media type	Plain, Fine, Book/News, Embossed Unable to punch: Label, Tab Paper, OHP, Punched Paper
Media weight	60 – 300 gsm
Hole diameter	2 holes: 6.5 mm/80 mm hole pitch 4 holes: 6.5 mm/80 mm hole pitch
Adjustment	-/+ 5.0 mm
Dimension (W x H x D)	156 x 180 x 592 mm
Weight	Approx. 4.5 kg
Power source	From mainbody
Power consumption	Less than 30 W

PI-502 - POST INSERTER	
Type	Post insert tray (2 trays)
Compatibility	FS-612, FS-607, FS-531, FS-520
Upper tray	
Media format	A4, A4S, B5, B5S, A5, free paper, wide paper
Min.	182 x 139 mm
Max.	324 x 297 mm
Media weight	50 – 300 gsm
Tray capacity	200 sheets or 30 mm height
Lower tray	
Media format	SRA3, A3, B4, A4, A4S, B5, B5S, A5, SRA4S, free paper, wide paper
Min.	182 x 139 mm
Max.	331 x 483 mm
Media weight	50 – 300 gsm
Tray capacity	200 sheets or 30 mm height
Dimension (W x H x D)	511 x 220 x 620 mm
Weight	Approx. 10.5 kg
Power source	From mainbody
Power consumption	30 W or less

SD-510 - SADDLE STITCHING KIT	
Type	Saddle stitching Kit for FS-532
Compatibility	FS-532
Modes	Saddle stitch mode, multisheet half-fold mode, multisheet letter fold-in mode, sub tray mode
Saddle stitch mode	
Function	Exit to saddle stitch tray after fold & stitch process
Media format	A3, B4, A4S, free paper, wide paper
Min.	120 x 240 mm
Max.	324 x 483 mm
Media type	Plain, Fine, Book/News, Embossed
Media weight	Inside paper: 50 – 216 gsm Cover paper: 50 – 300 gsm
Staple page	50 – 61 gsm: 25 sheets 62 – 80 gsm: 20 sheets 81 – 91 gsm: 16 sheets 92 – 216 gsm: 5 sheets 217 – 244 gsm: Cover only 245 – 300 gsm: Cover only 1 sheet of 50 to 216 gsm paper is treated as 1 sheet 1 sheet of more than 217 paper is treated as 5 sheets
Staple position	Changeable (90 – 148,5 mm)
Tray capacity	2 – 5 stapled sheets: 35 sets or more 6 – 10 stapled sheets: 23 sets or more 11 – 20 stapled sheets: 15 sets or more 20 – 25 stapled sheets: 15 sets or more
Tray Capacity FS-532 Main Tray	320 mm or longer (A3, B4, 11x17) 2,000 sheets 250 to 319 mm (A4, B5, 8.5x17) 3,000 sheets 249 mm or shorter (A5, 5.5x8.5) 750 sheets (Paper weight 72 to 81gsm)
Multisheet half fold mode	
Function	Exit to saddle stitch tray after folding 1 or more sheets
Media format	A3, B4, A4S, free paper, wide paper
Min.	120 x 240 mm
Max.	324 x 483 mm
Media weight	50 – 215 gsm
Max. multiple sheets	50 – 216 gsm: 1 – 5 sheets 217– 300 gsm: 1 sheet
Tray Capacity	35 sets (1–5 sheets)
Multisheet letter fold-in mode	
Function	Exit to 3-fold tray after 3-folding 1 or more sheets
Media format	A4S
Media weight	50 – 105 gsm
Max. multiple sheets	50 – 91 gsm: 3 sheets 92 – 105 gsm: 1 sheet
Tray capacity	50 sets (1 sheet) 40 sets (2 sheets) 30 sets (3 sheets)
Other specifications	
Dimension (W x H x D)	281 x 530 x 597 mm (installed within FS-532)
Weight	Approx. 22.6 kg (excl. output tray) (output tray: 3.8 kg)
Power consumption	40 W or less

RECOMMENDED PAPERS

List of Recommended Papers from BT R&D

Paper type	Product name	Recommendation *1
Business	Clairefontaine Clairalfa Whilte (80 gsm)	Recommended paper A
	Konica Minolta Original (80 gsm)	Recommended paper A
	Konica Minolta Profi (80 gsm)	Recommended paper A
	Mondi IQ premium (80 gsm)	Recommended paper A
	Mondi BIO TOP 3 extra (80 gsm)	Recommended paper A
	Stora Enso Berga Superior (100 gsm)	Recommended paper A
	Mondi Color Copy (90 gsm, 120 gsm)	Recommended paper A
	Mondi Color Copy (200 gsm, 300 gsm, 350 gsm)	Recommended paper B
	Clairefontaine Clairmail (60 gsm)	Recommended paper A
	Konica Minolta Color+ (90 gsm)	Recommended paper A
	Mondi MAESTRO supreme (60 gsm)	Recommended paper A
	Mondi MAESTRO supreme (160 gsm)	Recommended paper B
	Stora Enso 4CC (100 gsm)	Recommended paper A
	Stora Enso 4CC (220 gsm, 280 gsm)	Recommended paper B
	Xerox Colortech+ (280 gsm)	Recommended paper B
	Stora Enso Zoom Image (80 gsm)	Recommended paper A
	Mondi IQ Selection Smooth (160 gsm)	Recommended paper B
	Atlantic feinpost (50 gsm)	Paper for original through check
Eco-friendly	Mondi MAESTRO TRIOTEC TCF (80 gsm)	Recommended paper A
Recycled	Mondi NAUTILUS SuperWhite (80 gsm)	Recommended paper A
	Glassic White (80 gsm)	Recommended paper A
Coated	SchneidersoehneColor Copy Gloss (120 gsm)	Recommended paper B
Transparency	Folex X475 (92 gsm to 135 gsm) *2	Paper for original through check
Label	Avery L7169 (92 gsm to 135 gsm) *2	Paper for original through check
	Avery L7160 (136 gsm to 216 gsm) *2	Paper for original through check
Tab Paper	Konica Minolta Divider Cards (160 gsm)	Recommended paper B
NCR	Xerox Premium Digital (82 gsm) *2	Recommended paper B
	Carbonless Paper (83 gsm) *2	Recommended paper B

*1 Recommended paper A: Evaluation standard paper for Japan, North America and Europe
Recommended paper B: Paper which can be fed (Reliability evaluation is not target). Long grain paper is recommended for 49 gsm or less, and short grain paper is recommended for 217 gsm or more.
Paper for original through check: Q zone is recommended

*2 Only for simplex

The bizhub PRO 951 supports a wide range of media. Exclusively using Konica Minolta-recommended media can help maximise this system's reliability and paper-handling capabilities. Konica Minolta representatives can give more details on media selection and processing as well as recommendations.

- It is typical for heavy weight papers to show increased deviations in formation and surface smoothness, which may result in a lesser image quality.
- Stretching is something that occurs to all paper qualities during printing. Ambient conditions and the paper type determine the amount of stretch, which is most noticeable on coated stocks and can affect front-to-back image registration.
- Custom-cut paper can cause problems with image registration, image quality (i.e. white spots), and machine reliability. This is particularly likely if the paper is of poor quality or has been badly cut; also if loose fibers remain on the edges after cutting.
- Image registration, image quality (i.e. white spots), and machine reliability might suffer if poor-quality punched or drilled paper is used. This is particularly likely if loose hole plugs remain in the paper ream.