


bizhub PRESS C7000/C7000P/C6000


Technical Training Course


Welcome to the bizhub PRESS C7000/C7000P/C6000 Technical Training Course.
This Course will cover Three Lessons of the bizhub PRESS C7000/C7000P/C6000 Engine Differences.

Introduction Module

To download these files, you must have [Adobe Acrobat](#) installed on your computer.

[bizhub PRESS C7000 Workbook \(3.3 mb\)](#) 

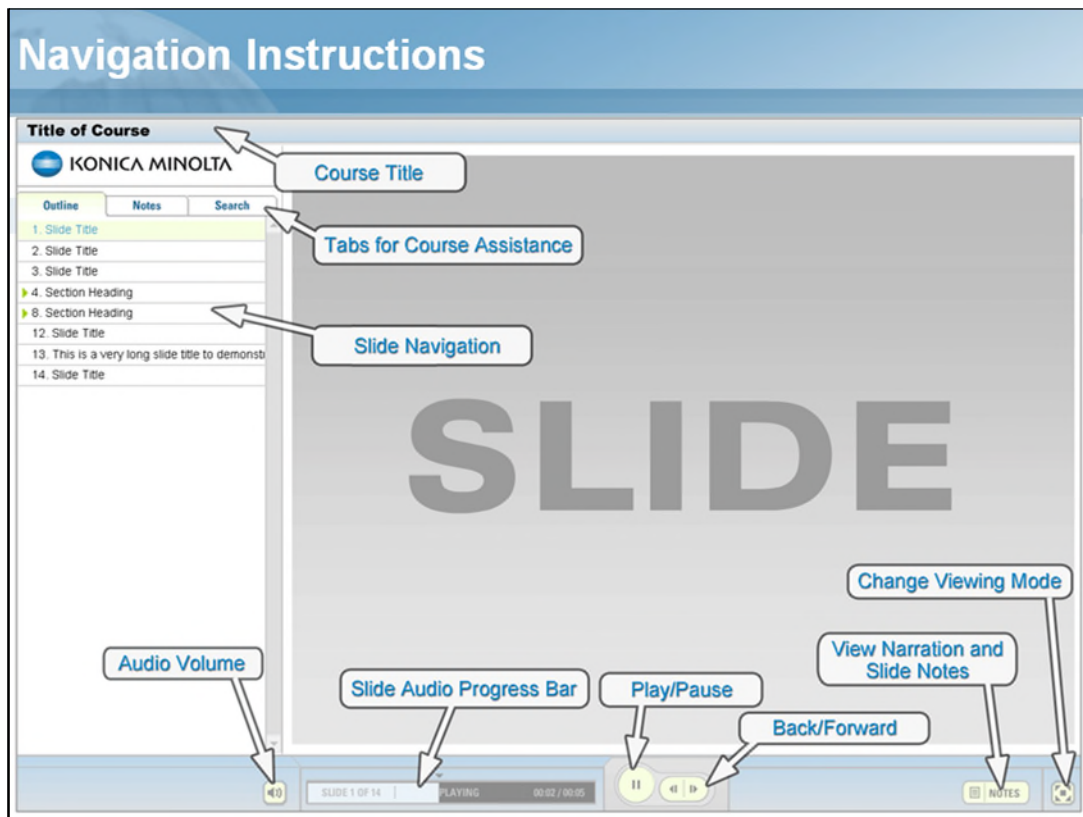
[bizhub PRESS C7000 Workbook \(2.6 mb\)](#) 

 It should take you approximately 60-90 Minutes to complete this course.

 **KONICA MINOLTA**

NARRATION:

Welcome to the bizhub PRESS C7000/C7000P/C6000 Technical Training Course. This WBT Course will cover Three Lessons covering the bizhub PRESS C7000/C7000P/C6000 Introduction Differences. Please take the test after you have completed this course.



Narration:

These are the navigation instructions.

Course Objectives



In this course you should be able to:

1. Product Outline
2. Unpacking and Installation
3. User Operation

NARRATION:

In this course you should be able to Understand the Information in the Product Outline, Perform the Unpacking and Installation Procedures, and Recognize all of the User Operation Changes and Differences.

Lesson 1: Product Outline

Topics covered in the lesson include:

- 1.1 Product Planning
- 1.2 System Configuration
- 1.3 Unit Configuration
- 1.4 Paper Path
- 1.5 Consumables
- 1.6 Lesson Review

NARRATION:

The following topics will be covered in this lesson.

1.1 Product Planning (1/4)

❖ Product Concept

- This is the digital color on-demand press which has the best output stability in the Color Light Production Market.

❖ Marketing Points

- As the core machine of KM On-Demand Color Machines in the Light Production Market, will increase this market share by keeping the MIF of the C500/C6501 Series and taking the MIF Share of other companies.

NARRATION:

Here are the product concept and the marketing points of the C7000 series.

Product Concept

This is the digital color on-demand press which has the best output stability in the Color Light Production Market.

Marketing Points

As the core machine of KM On-Demand Color Machines in the Light Production Market, will increase this market share by keeping the MIF of the C500/C6501 Series and taking the MIF Share of other companies.

Концепция продукта

Это цифровая цветная печать по требованию, которая имеет лучшую стабильность на рынке цветной продукции.

Маркетинговые очки

Будучи основной машиной KM On-Demand Color Machines на рынке легкой продукции, увеличит эту долю рынка, сохранив MIF серии C500 / C6501 и перейдя на долю MIF других компаний.

1.1 Product Planning (2/4)

❖ Commercialization Policy

- Product specifications which can compete with other company's products that counter the C6501 Series.
- Designed as a digital printer for the light production market.
- Reduces the service cost by improving the reliability. Improves the after market profit of the distributor.
- The best quality and stability features from the C8000.
- Uses the common options with the C8000 and the PRO 1200. Maximizes the sales by improving the logistics and sales efficiency.

NARRATION:

Covered here are the commercialization policies of the C7000 series.

Commercialization Policy

Product specifications which can compete with other company's products that counter the C6501 Series.

Designed as a digital printer for the light production market.

Reduces the service cost by improving the reliability. Improves the after market profit of the distributor.

The best quality and stability features from the C8000.

Uses the common options with the C8000 and the PRO 1200. Maximizes the sales by improving the logistics and sales efficiency.

Политика коммерциализации

Спецификации продуктов, которые могут конкурировать с продуктами других компаний, которые противостоят серии C6501.

Разработан как цифровой принтер для рынка легкой продукции.

Снижает стоимость обслуживания за счет повышения надежности. Улучшает послепродажную прибыль дистрибьютора.

Лучшее качество и стабильность у C8000.

Использует общие опции с C8000 и PRO 1200. Максимизирует продажи за счет улучшения логистики и эффективности продаж.

1.1 Product Planning (3/4)

❖ Target Market

- Commercial Printing
- Print Shop (Print For Pay)
- Printing within a company (CRD/In-Plant) – Insurance, finance and Manufacturing Industries, advertisement agencies, government circles, schools and, hospitals
- Facility Management - Collective Contracts of CRD of Large Companies
- Direct Marketing Service Business
- Data Centers

❖ Main Intended Purposes

- Catalogs, sales promotional literatures, direct mailings, TransPromo, newsletters, simple booklets, manuals, business cards, letterheads, photo books

NARRATION:

The target market and the main intended purpose are shown here.

Target Market

Commercial Printing

Print Shop (Print For Pay)

Printing within a company (CRD/In-Plant) - Insurance, finance and Manufacturing Industries, advertisement agencies, government circles, schools and hospitals.

Facility Management - Collective Contracts of CRD of Large Companies

Direct Marketing Service Business

Data Centers

Main Intended Purposes

Catalogs, sales promotional literatures, direct mailings, TransPromo, newsletters, simple booklets, manuals, business cards, letterheads, photo books

Целевой рынок

Коммерческая печать

Типография (Print For Pay)

Печать внутри компании (CRD / In-Plant) - страховая, финансовая и обрабатывающая промышленность, рекламные агентства, правительственные круги, школы и больницы.

Facility Management - Коллективные договоры CRD крупных компаний

Директ Маркетинг Сервис Бизнес

Центры обработки данных

Основные предполагаемые цели

Каталоги, распродажи рекламной литературы, прямые рассылки, TransPromo, информационные бюллетени, простые буклеты, учебные пособия, визитки, бланки, фотокниги

1.1 Product Planning (4/4)

❖ Target PV

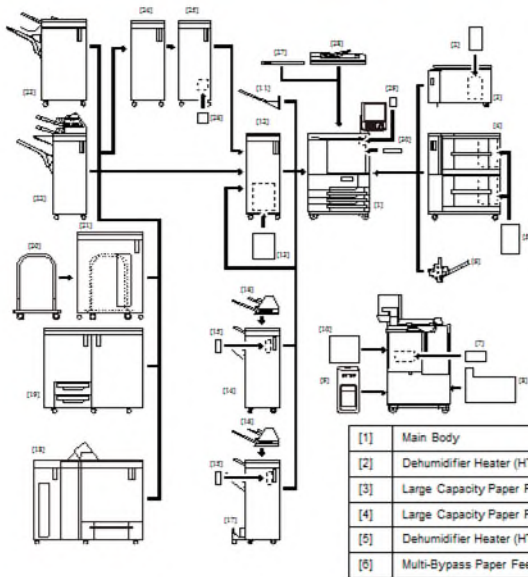
	C7000/C7000P	C6000	C6501
Average PV	40,000 prints/month	22,000 prints/month	30,000 prints/month
Maximum PV (Zones B, C)	150,000 prints/month	150,000 prints/month	150,000 prints/month
Color/Back-and-White Ratio	Color 85: 15 B&W	Color 77: 23 B&W	Color 70: 30 B&W

NARRATION:

This table details the target PV of the C7000 series.

1.2 System Configuration (1/2)

❖ System Configuration Diagram



NARRATION:

The system configuration is shown here.

The MB-504, WT-508, and LU-202 cannot be installed when the PF-602 is installed.

1.2 System Configuration (2/2)

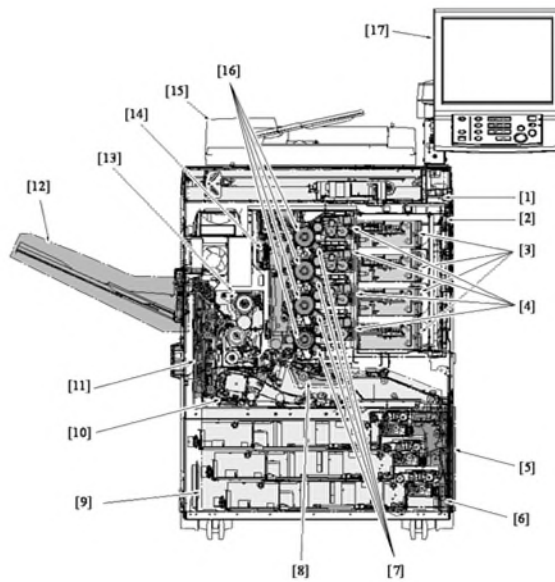
❖ Option Connection Configuration

[Option Connection Combination Table](#) 

NARRATION:

For the combination of options, refer to the attached PDF file.

1.3 Unit Configuration



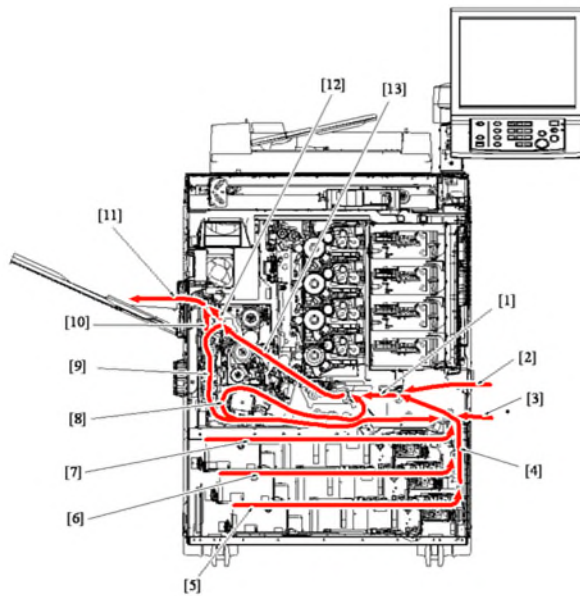
[1]	Scanner Section
[2]	Toner Supply Section
[3]	Write Section
[4]	Developing Section
[5]	Vertical Conveyance Section
[6]	Toner Collection Section
[7]	Charging Section
[8]	Registration Section
[9]	Paper Feed Section
[10]	Duplex section
[11]	Reverse/Exit Section
[12]	OT-502 (Option)
[13]	Fusing Section
[14]	Intermediate Transfer Section
[15]	DF-622 (Option)
[16]	Photoconductor Section
[17]	Operation Panel

NARRATION:

Here is the main unit configuration diagram inside the main body.

The bypass paper feed section is separated from the main body. It is changed to the option as the multi bypass paper feed unit (MB-504).

1.4 Paper Path



[1]	Paper Feed (Common)
[2]	Bypass Tray Paper Feed
[3]	PF Paper Feed, LU Paper Feed
[4]	Vertical Conveyance
[5]	Tray 3 Paper Feed
[6]	Tray 2 Paper Feed
[7]	Tray 1 Paper Feed
[8]	ADU Conveyance
[9]	Reverse Conveyance
[10]	Reverse/Exit
[11]	Paper Exit (Common)
[12]	Straight Paper Exit
[13]	Transfer/Fusing Conveyance

NARRATION:

Shown here is the center cross-section diagram and the paper path.

1.5 Consumables (1/2)

❖ C7000/C7000P

Consumable Name	Useful life or durable time (A4, 5% original, 7 pages/Job)	Name
Toner Bottle /Y	31,000 prints	TN-616Y
Toner Bottle /M	31,000 prints	TN-616M
Toner Bottle /C	31,000 prints	TN-616C
Toner Bottle /K	41,500 prints	TN-616K
Drum	200,000 prints or Drive distance 102 km (drum) or drive distance 130 km (lubricant)	DU-104
Developer /Y	340,000 prints or drive distance 200 km	DV-610Y *1
Developer /M	340,000 prints or drive distance 200 km	DV-610M *1
Developer /C	340,000 prints or drive distance 200 km	DV-610C *1
Developer /K	340,000 prints or drive distance 200 km	DV-610K *1
Toner Collection Box	50,000 prints	A1DUR70W

*1: Materials are the same as the C6501 Series.

NARRATION:

The useful life or durable time of the C7000 Consumables are shown here.

1.5 Consumables (2/2)

❖ C6000

Consumable Name	Useful life or durable time (A4, 5% original, 6 pages/job)	Name
Toner Bottle /Y	31,000 prints	TN-616Y
Toner Bottle /M	31,000 prints	TN-616M
Toner Bottle /C	31,000 prints	TN-616C
Toner Bottle /K	41,500 prints	TN-616K
Drum	180,000 prints or Drive distance 102 km (drum) or drive distance 130 km (lubricant)	DU-104
Developer /Y	300,000 prints or drive distance 200 km	DV-610Y *1
Developer /M	300,000 prints or drive distance 200 km	DV-610M *1
Developer /C	300,000 prints or drive distance 200 km	DV-610C *1
Developer /K	300,000 prints or drive distance 200 km	DV-610K *1
Toner Collection Box	50,000 prints	A1DUR70W

*1: Materials are the same as the C6501 series.

NARRATION:

The useful life or durable time of the C6000 Consumables are shown here.

C7000 Introduction Lesson 1 Quiz

Question 1 of 5

Point Value: 10

Select 2 correct items as Product Concepts of the C7000 that will increase the market share.

- Take away MIF (Machine In Field) of other companies.
- Reduce printing cost
- Keep the MIF of the C500/C6501 Series.
- Printing speed up

PROPERTIES

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Timing, 'Finish' button:

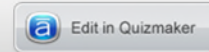
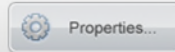
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1.6 Lesson 1: Review

Lesson 1

In this Lesson, you learned about:

- 1.1 Product Planning
- 1.2 System Configuration
- 1.3 Unit Configuration
- 1.4 Paper Path
- 1.5 Consumables

Narration:

In this lesson, you learned about the Product Planning, System Configuration, Unit Configuration and the Paper Path of the bizhub PRESS C7000 Systems.

Lesson 2: Unpacking and Installation

Lesson 2

Topics covered in the lesson include:

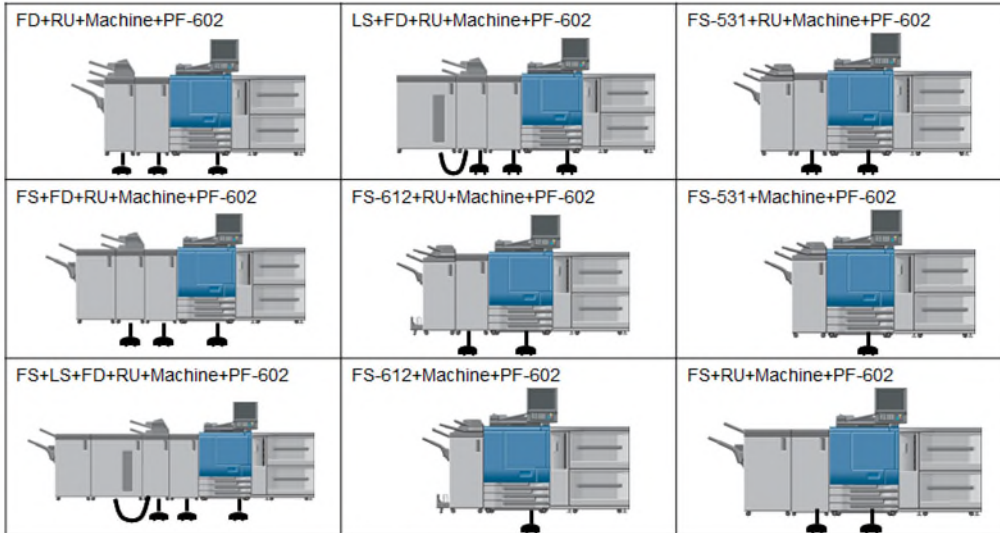
- 2.1 System Configuration/Power Source
- 2.2 PDF Data of Installation Manuals
- 2.3 Lesson Review

NARRATION:

The following topics will be covered in this lesson.

2.1 System Configuration/Power Source (1/5)

❖ System Configuration/Power Source (1/5)

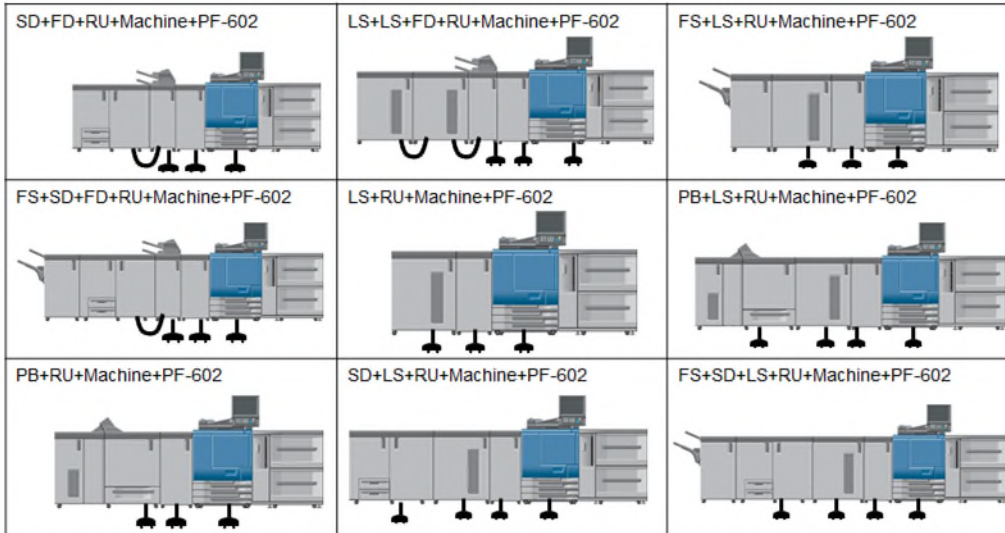


NARRATION:

Shown here are some of the different System Configurations and which of the units will need Power Sources.

2.1 System Configuration/Power Source (2/5)

❖ System Configuration/Power Source (2/5)

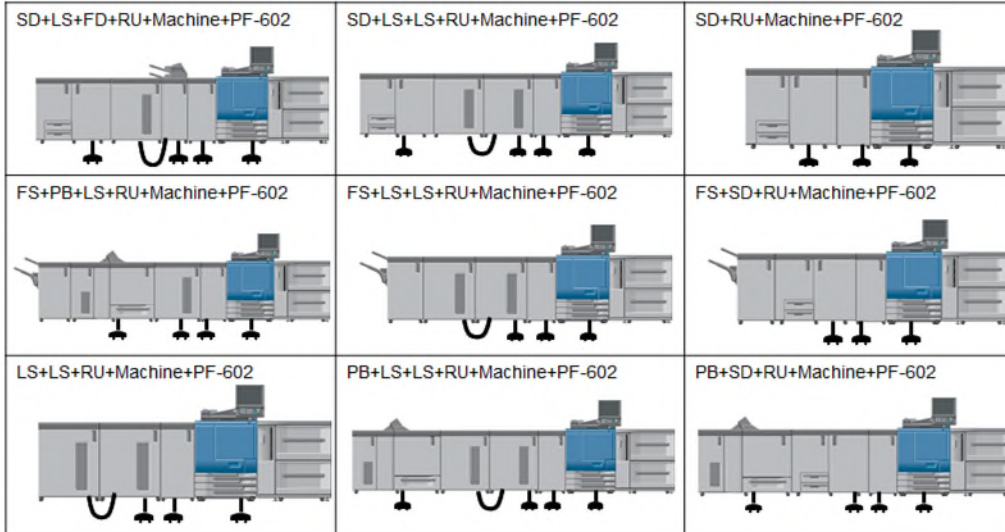


NARRATION:

Here are some additional different System Configurations and which of the units will need Power Sources.

2.1 System Configuration/Power Source (3/5)

❖ System Configuration/Power Source (3/5)

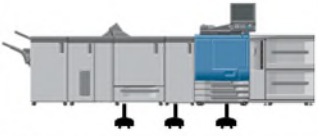


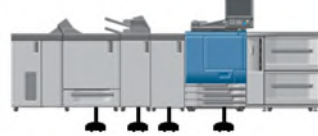
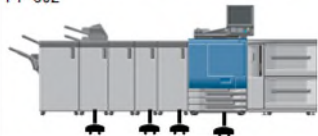
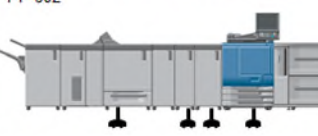





NARRATION:

Here are some additional different System Configurations and which of the units will need Power Sources.

2.1 System Configuration/Power Source (4/5)

❖ System Configuration/Power Source (4/5)

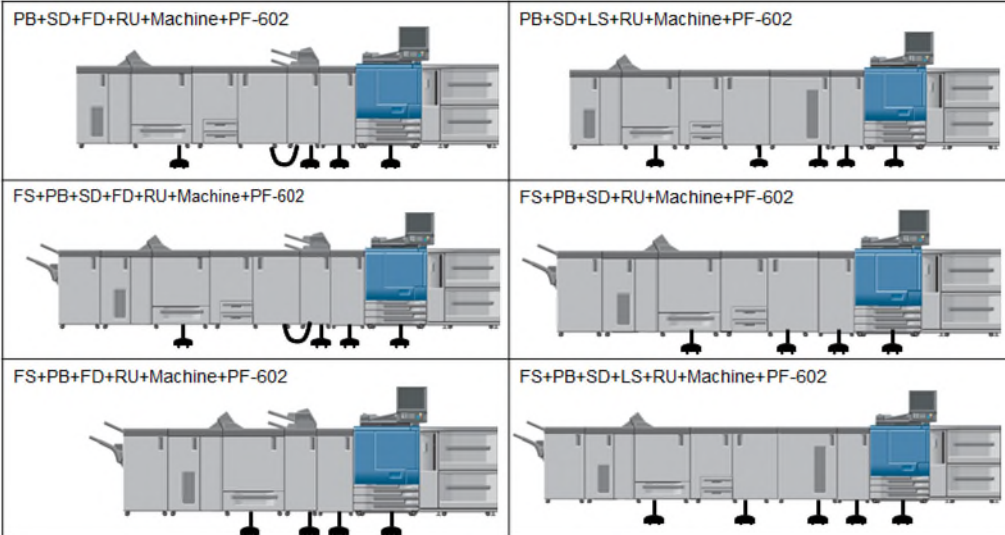
FS+PB+RU+Machine+PF-602 	FS+RU-506+GP+RU-509+Machine+PF-602 	FS+SD+RU-506+GP+RU-509+ Machine+PF-602 
PB+FD+RU+Machine+PF-602 	FS+FD+RU-506+GP+RU509+Machine+PF-602 	FS+PB+RU-506+GP+RU-509+ Machine+PF-602 
PB+LS+FD+RU+Machine+PF-602 	FS+LS+RU-506+GP+RU-509+Machine+PF-602 	PB+LS+RU-506+GP+RU-509+ Machine+PF-602 

NARRATION:

Here are some additional different System Configurations and which of the units will need Power Sources.

2.1 System Configuration/Power Source (5/5)

❖ System Configuration/Power Source (5/5)

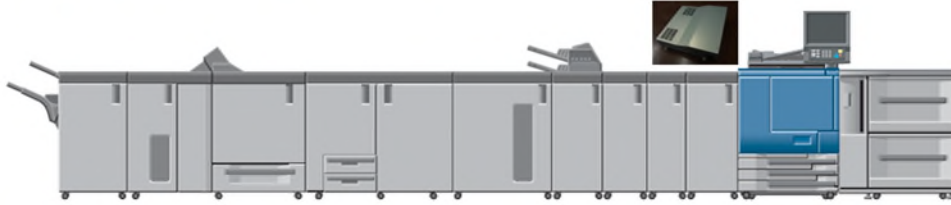


NARRATION:

Here are the remaining different System Configurations and which of the units will need Power Sources.

2.2 PDF Data of Installation Manuals

❖ PDF Data of Installation Manuals



bizhub PRESS 7000/C6000		FS-612		OT-502	
DF-622		FD-503		PF-602	
FS-531		SD-506		LU-202	
RU-509		LS-505		IC-306	
HM-102		PB-503		Accessory Parts	
MB-504		PH-102		IC-601	
FS-521		PI-502		PK-512	
GP-501		RU-506		PK-513	

NARRATION:

Here are the different installation manuals for the C7000 and its additional accessories. Click the PDF Link to review the individual manual.

C7000 Introduction Lesson 2 Quiz

Question 1 of 1

Point Value: 10

Select all items that should be installed as a set.

- PH-102+HD-514
- PF-602+MB-504
- PH-102+HD-514+IC-601

PROPERTIES

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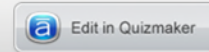
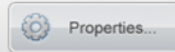
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2.3 Lesson 2: Review

Lesson 2

In this Lesson, you learned about:

- 2.1 System Configurations/Power Sources
- 2.2 PDF Data of the Installation Manuals

Narration:

In this lesson, you learned about the detailed System Configurations, and could review the different Installation Manuals for the bizhub PRESS C7000 System.

Lesson 3: User Operation

Lesson 3

Topics covered in the lesson include:

- 3.1 Main Differences
- 3.2 Copy
- 3.3 Paper Settings
- 3.4 Sample Print
- 3.5 Job List
- 3.6 User/Admin. Settings
- 3.7 Admin. Settings
- 3.8 Adjustments 1
- 3.9 Adjustments 2
- 3.10 Security
- 3.11 Lesson Review

NARRATION:

The following topics will be covered in this lesson.

3.1 Main Differences (1/4)

❖ Add/Change List

Function		C7000/C6000	C7000P	C8000	Add/Change from the C8000
Copy	Glossy	○	○	X	Similar to the C6501
	Hold Setting	○	○	○	Hold Setting
	Output Setting	○	○	○	Offset Setting
Machine Status / Paper Setting	Paper Weight	○	○	○	Paper Weight Changed
	Air Assist	○	○	○	Setting Items changed
	Caution to avoid jam occurrence	○	○	X	Added
	Thickness	○	○	△	If IC-601 and HD-514 are Installed
	Fusing Air Separation Air Level Setting	○	○	X	Added
	Curl Adjustment - Humidifier Setting	○	○	○	Same/Function
	Color Density Control	○	○	○	If RU-509 is Installed

NARRATION:

The Copy and Paper Settings Changes or Additions are covered in this table.

3.1 Main Differences (2/4)

❖ Add/Change List

Function		C7000/C6000	C7000P	C8000	Add/Change from the C8000
Sample Print		○	○	X	Similar to the 1200/1051
Job List	Overnight Output	○	○	△	Similar to the 1200/1051
	Job Edit	○	○	△	If HD-514 is Installed
	Schedule	○	○	△	If IC-601 and HD-514 are Installed
	Hold Job / Lock Release	○	○	○	Same/Function
	Hold Job / HDD Store	○	○	○	Same/Function
	HDD Recall	○	○	○	Same/Function

NARRATION:

The Sample Print and Job List Changes or Additions are covered in this table.

3.1 Main Differences (3/4)

❖ Add/Change List

Function		C7000/C6000	C7000P	C8000	Add/Change from the C8000
User Settings	Operation/Info. Sound Setting	○	○	○	Same/Function
	Language Setting	○	○	○	Same/Function
User/Admin.	Schedule Cross Axis Unit (Initial Value)	○	○	△	If IC-601 and HD-514 are Installed
Administrator	Maximum Density Adjustment	○	○	○	Same/Function
	Toner Density Sensor Speed	○	○	○	Line Speed 1, 3, 4, 5 added
	Stabilization Adj. Setting	○	○	X	Similar to the C6501
	Scattering Filter	X	X	○	N/A
	Fusing Refresh	X	X	○	N/A
	Custom Screen	○	○	○	Same/Function
	Procedure after Changing Custom Screen	○	○	○	Same/Function
	List/Counter, Output All to USB	○	○	○	Same/Function
HDD Restore/Backup	○	○	○	Same/Function	

NARRATION:

The User and Admin Changes or Additions are covered in this table.

3.1 Main Differences (4/4)

❖ Add/Change List

	Function	C7000/C6000	C7000P	C8000	Add/Change to C8000
Adjustment	Stabilization Adj. Setting	<input type="radio"/>	<input type="radio"/>	X	Mounted on C6501
	Belt Refresh Mode	<input type="radio"/>	<input type="radio"/>	X	Mounted on C6501
	Curl Adj. (RU)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Same/Function
	Curl Adj. (Main Body/FS)	<input type="radio"/>	<input type="radio"/>	X	Mounted on C6501
	Density Balance Adjustment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Same/Function
	Color Density Control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Same/Function
	i1 Sis/i1Pro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	How to Use/Measure Spectrophotometer
Security	FW Version	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Same/Function

NARRATION:

The remaining changes or additions of Adjustment and Security are covered in this table.

3.2 Copy (1/4)

❖ Selecting Glossy

Copy > Glossy Setting

Glossy Mode is provided in the Quality Adjustment on the Copy, the Job Ticket, the Mode Check, the Details, and List Print to increase shine on printed images. Also, by selecting glossy, the print speed will be changed accordingly.



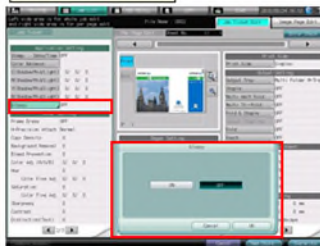
[Glossy Mode](#)

(C7000P is the same as C7000)

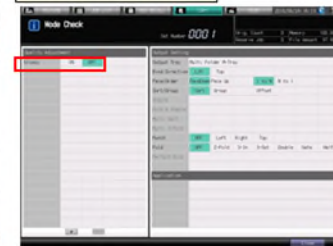
Quality Adj.



Job Ticket



Mode Check



NARRATION:

Glossy Mode was added to increase the shine on Printed Images. When Glossy Mode is selected, the Print Speed will be decreased accordingly. Open the PDF Link to view more details about Glossy Mode.

Глянцевый режим был добавлен для увеличения блеска на напечатанных изображениях. При выборе глянцевого режима скорость печати будет соответственно уменьшена. Откройте ссылку PDF для просмотра более подробной информации о глянцевом режиме.

3.2 Copy (2/4)

❖ Hold Setting

Copy > Hold Setting

Hold Setting is a function to store Copy Jobs and to print those jobs to the 'Hold Job' Folder.
Held jobs will be retained after the power has been turned OFF and will be saved in the 'Hold Job' Folder of the Job List.

Print	Print
Print & Hold	When printing is completed, the job can be stored as a file with an optional file name/ password in the 'Hold Job' Folder
Hold	The job can be stored as a file with an optional file name/ password in the 'Hold Job' Folder



NARRATION:

The Hold Setting is a function to store Copy Jobs and to print those jobs to the 'Hold Job' Folder.

These Held Jobs will be retained after the power has been turned OFF and will be saved in the 'Hold Job' Folder in the Job List.

Настройка удержания - это функция для сохранения заданий копирования и печати этих заданий в папку «Задание удержания». Эти удерживаемые задания будут сохранены после выключения питания и будут сохранены в папке «Hold Job» в списке заданий.

3.2 Copy (3/4)

❖ Offset Setting-1

Copy > Output Setting

When the Offset Setting is ON, the stacking position of the paper is automatically switched by each job set during the Paper Exit Process on FS or LS Main Tray.

Offset Type	Details
By the number of jobs (1-9,999 Default:1)	Stacking position is switched by the specified number of jobs
By the number of prints (1-9,999 Default:1)	Stacking position is switched at the beginning of each job and by the specified number of prints.



	Output Setting (functions when the following keys are ON)			
	Sort	Offset Sort	Group	Offset Group
By the number of jobs*	<input type="radio"/>	-	<input type="radio"/>	-
By the number of prints	-	<input type="radio"/>	-	<input type="radio"/>



*When Utility>Admin. Setting>Common Setting>Offset by Job Unit is ON

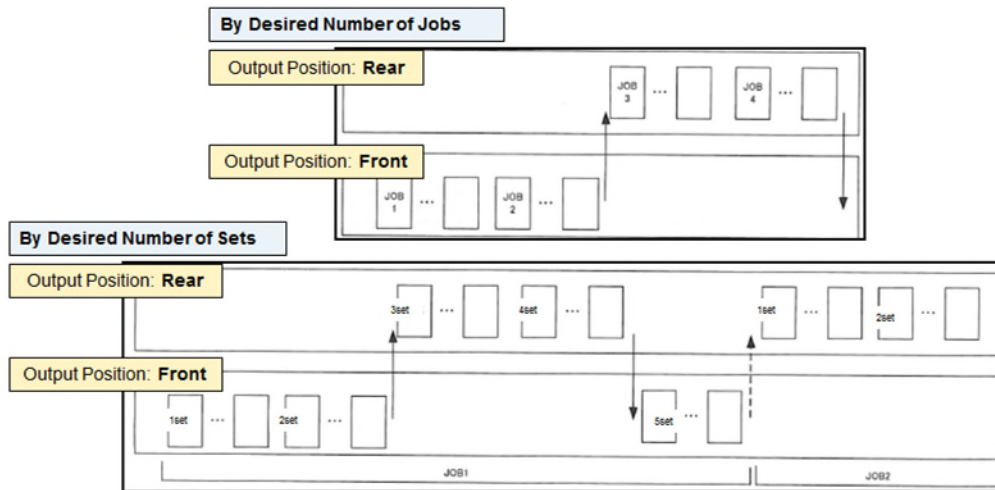
NARRATION:

When the Offset Setting is ON, the stacking position of paper is automatically switched by each job set during the paper exit process on FS or LS Main Tray.

3.2 Copy (4/4)

❖ Offset Setting-2

Copy > Output Setting > Output



NARRATION:

An example of Offset Setting is provided here to show the difference between selection of Offset by the Desired Number of Jobs or the Desired Number of Sets.

3.3 Paper Setting (1/7)

❖ Paper Setting

Machine Status/Copy > Paper Setting

Refer to the table below to check the difference between C7000/C6000 and C8000.

	C7000/C7000P/C6000	C8000
Paper Weight	Max. 300g/m2	Max. 350g/m2 (Only PFU)
	Paper Weight 163-209 g/m2	Paper Weight 163-220 g/m2
	Paper Weight 210-256 g/m2	Paper Weight 221-256 g/m2
Air Assist	Auto / ON (Strong) / ON (Weak) / OFF	Auto/Manual (Lead Edge Air Level Setting, Side Air Level Setting, Lead Edge Nozzle change, Side Duct Up/Down)

NARRATION:

The C7000 has its own unique Paper Weight and Air Assist Capabilities.

3.3 Paper Setting (2/7)

❖ Instructions to Avoid Jams

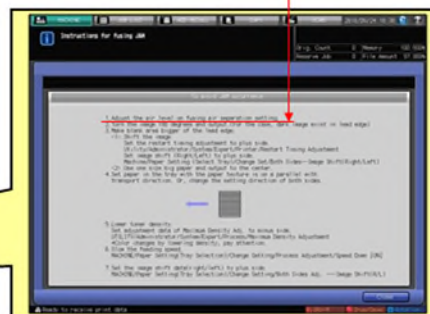
Machine Status/Copy>Paper Setting

When setting DipSW and the following paper type and weight, the Caution Button appears on the lower-left side corner. Press to show the procedures and complete them to avoid Jams.

DipSW:1-1-1(ON) required. Default (OFF)

Paper Type	Paper Weight
Plain/ Fine/ Color	67 g/m ² to 80 g/m ²
Coat	81 g/m ² to 135 g/m ²

"Fusing Air Separation Air Level Setting" for Step 1 was added.



NARRATION:

When Dip Switch 1-1-1 is set to On, a Caution Button appears when using the paper weights shown in the table. If the Caution Button is pressed, a new screen opens up on ways to assist in reducing paper jams.

Когда DIP-переключатель 1-1-1 установлен в положение On, при использовании плотностей бумаги, указанных в таблице, появляется предупреждающая кнопка. Если нажать кнопку «Осторожно», откроется новый экран, помогающий уменьшить застревание бумаги.

3.3 Paper Setting (3/7)

❖ Fusing Air Separation Air Level Setting

Machine Status /Copy > Paper Setting >
Change Individual Set > Process Adjustment

Setting the Air Separation Level on the [Process Adjustment] in the [Paper Setting] Screen can prevent the Paper Wrapping Jam on the Upper Fusing Belt.

Dip SW:1-0-1(ON) is required to
show Process Adj. Default (OFF)

Default Auto (4)	Separation Fan runs at the air level set on the Air Level Setting Table.
Weak	When a Paper Wrapping Jam occurs on the Lower Side.
Strong	When Paper Wrapping Jam occurs on the Upper Side.



NARRATION:

Fusing Air Separation Level can be adjusted when using thin paper to help prevent paper wrapping around the Upper Fusing Belt.

3.3 Paper Setting (4/7)

❖ Fusing Air Separation Air Level Setting

Machine Status/Copy > Paper Setting >
Change Individual Set > Process Adjustment

[Auto] air level differs depending on the Paper Setting.
The air level changes at the time when [Auto] [Weak] [Strong] is set and printing is carried out.

Operation Screen	1	2	3	4	5	6	7
Air Level (%)	20	30-50	60	70	80	90	100

Normal/Fine/Color Specific			
Color Mode	Processing Line Speed	Paper Weight	Air Level
Full Color/ Single Color (Except Black)	High Speed	Less than 80 g/m ²	70
		81 to 105 g/m ²	90
		More than 106 g/m ²	30
	Medium/Low	-	30
Black	-	-	30

Coated GL/Coated ML		
Processing Line Speed	Paper Weight	Air Level
High Speed	81 to 105 g/m ²	100
	More than 106 g/m ²	50
Medium/Low Speed	81 to 105 g/m ²	30
	More than 106 g/m ²	30

Coated GO/Coated MO		
Processing Line Speed	Paper weight	Air Level
High Speed	81 to 105 g/m ²	50
	More than 106 g/m ²	70
Medium/Low Speed	81 to 105 g/m ²	30
	More than 106 g/m ²	30

NARRATION:

These 4 tables provide the details of the different Fusing Air Separation Levels for the different paper types.

3.3 Paper Setting (5/7)

❖ Thickness

Machine Status/Copy > Paper Setting

Selecting [Specify] allows the machine to estimate the remaining amount of paper in the tray with greater accuracy.

Default: 0.1mm
Adj. Range: 0.05-0.500mm (by 0.001mm)
Setting is available in **metric** only.

IC-601, HD-514, and PH-102 are required to show [Thickness].



NARRATION:

To achieve a more accurate estimate for the amount of remaining paper, a Thickness Selection was created. However, the IC-601, HD-514 and PH-102 Options must be installed to access this selection.

Чтобы получить более точную оценку количества оставшейся бумаги, был создан выбор толщины. Однако для доступа к этому выбору необходимо установить опции IC-601, HD-514 и PH-102.

3.3 Paper Setting (6/7)

❖ Curl Adjustment

Machine Status > Paper Setting > Change Individual Set

The Curl Adjustment is available when the RU-509 is installed. Use this setting to reduce paper curl. In addition, by installing the Humidifier HM-102 to the RU-509 can reduce the paper curl by adding humidification back into the paper that has passed through the Fusing Processes. This Adjustment is available also on the Copy Screen and on the Utility Menu Screen.

Note:

Humidifier Setting is grayed out when the weight of either color paper or coated paper is under 135 g/m2.



NARRATION:

The Curl Adjustment is available when the RU-509 is installed. In addition, by installing the Humidifier HM-102, to the RU-509 can reduce the paper curl by adding humidification back into the paper that has passed through the Fusing Processes.

Регулировка скручивания доступна, когда установлен RU-509. Кроме того, установив увлажнитель HM-102, на RU-509 можно уменьшить скручивание бумаги, добавив увлажнение обратно в бумагу, прошедшую процессы закрепления.

3.4 Sample Print (1/2)

❖ Sample Print

A sample image will be delivered when you want to check the quality of the printed image during an output job using either the **PB**, **SD**, **FS** or **LS**.

Execute Sample Print	Press to output and check the image.
Sample Print Setting	Set the Sample Print before starting the output job before starting the output job.

Sample Print Setting		Setting Range
Print Per Sheet Cycle	Sheet Cycles	1 to 9,999 sheets
Print Per Set Number	Interval Set Number: which set number to print	1 to 9,999 sets
	Sheet Page: which page of the set number to print	1 to 9,999 sheets
Do Not Sample Print		-

Execute Sample Print

Machine Status >



Sample Print Setting



NARRATION:

A sample image can be delivered when you want to check the quality of the printed image during and Output Job us either the PB, SD, FS or LS.

Образец изображения может быть доставлен, когда вы хотите проверить качество напечатанного изображения во время и Вывести задание, используя PB, SD, FS или LS.

3.4 Sample Print (2/2)

❖ Sample Print

NOTICE	
1	IC-601 is required.
2	Sample Print uses the same paper tray as used for the current print job.
3	<p>Sample Print is unavailable at the time:</p> <ul style="list-style-type: none"> when the current job uses paper fed from the Post Inserter Tray or Perfect Binder PB-503 Cover Tray. when the current job uses Tabbed Sheets for printing. when a blank original is printed. when the current job is output to the Secondary (Sub) Tray, or when the Secondary (Sub) Tray cannot be used for output. when there is no print job or while the machine is down ([Execute Sample Print Button] is grayed out)

Counters for Sample Print		
Administrator Setting	User Counter in User Authentication / Account Track Counter in Account Track	Administrator setting allows you to specify whether or not to count the sample prints.
Service Mode	Sample Print Counter	Count the sample prints only. Counting conditions are the same as those of the total counter.
	Sample Print Large Size Counter	Counts the sample prints only. Counting conditions are the same as those of the large size counter.

NARRATION:

The tables shown here cover the restrictions and the counters that are used when using Sample Print.

3.5 Job List (1/11)

❖ Overnight Output

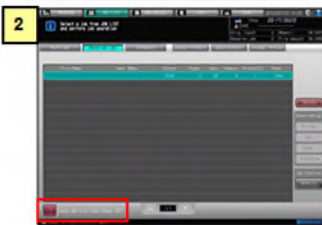
Job List

This function allows you to stop the job currently in progress and restart it on the following day.

HD-514 and PH-102 are required.



	Procedure
1	Press Stop on the Control Panel on the machine status and then select [Temporary Stop] .
2	Select [Job List] . Press [Save the Job List and then Power Off] at the bottom-left corner of the screen.
3	To continue the job next day, press [Yes] . If pressing [No], the job list screen will be restored.
4	Check the message displayed on the dialog, then turn off the Sub Power Switch .
5	To continue the output job, turn on the Sub Power Switch, then operate it from Machine Screen.



NARRATION:

The Overnight Output Function allows you to stop a job currently in progress and allow it to resume the following day. Both the HD-514 and the PH-102 are required for this function to work.

3.5 Job List (2/11)

❖ Lock Release

Job List > Hold Job

The data such as the File Name, Image Preview, and the Page Number is protected by using a Password. When pressing the [Lock Release] at the lower left of the Hold Job Screen and entering the password, the file data can be displayed.



When the Security Strengthen Mode is turned OFF, any data/files with the same password will be released even if different users create different data.
When using HDD RECALL, the locking of the data/files can be released in the same way.

NARRATION:

The data such as the File Name, Image Preview, and the Page Number is protected by using a Password.

When pressing the [Lock Release] at the lower left of the Hold Job Screen, and entering the password, the file data can be displayed.

When the Security Strengthen Mode is turned OFF, any data or files with the same password will be released, even if different users created different data.

When using the Hard Disk Drive RECALL, the locking of the data or files can be released in the same way.

Такие данные, как имя файла, предварительный просмотр изображения и номер страницы, защищены паролем.

При нажатии [Снятие блокировки] в левом нижнем углу экрана удержания задания и вводе пароля могут отображаться данные файла.

Когда режим усиления безопасности отключен, любые данные или файлы с одним и тем же паролем будут освобождены, даже если разные пользователи создали разные данные.

При использовании жесткого диска RECALL блокировка данных или файлов может быть снята таким же образом.

3.5 Job List (3/11)

❖ HDD Store Setting

Job List > Hold Job

- HDD Store Setting is an automatic function to move a job in the 'Hold Job' Folder to a folder in the HDD. Only the Jobs in the 'Hold Job' folder can be stored in the HDD however, scanned images and images in the controller cannot be stored.
The Maximum number of jobs that can be stored is 100 and if the number of the jobs surpasses 100, the [HDD Store] Key will become grayed out and inactive.
- Jobs can be stored in a newly created folder.



Specifies whether or not to delete the hold job after output.

This setting is available also in the following.

Utility>User Setting or Admin.Setting>Common Setting>Hold Job for Outputting (Init. Value)

NARRATION:

The Hard Disk Drive Store Setting is an automatic function to move a job in the 'Hold Job' Folder, to a folder in the Hard Disk Drive. Only the Jobs in the 'Hold Job' folder can be stored in the Hard Disk Drive, however scanned images, and images in the controller cannot be stored.

The Maximum number of jobs that can be stored is 100, and if the number of the jobs surpasses 100, the [HDD Store] Key will become grayed out, and inactive.

Параметр «Хранение жесткого диска» - это автоматическая функция для перемещения задания из папки «Hold Job» в папку на жестком диске. На жестком диске могут храниться только задания в папке «Hold Job», однако отсканированные изображения и изображения в контроллере не могут быть сохранены.

Максимальное количество заданий, которое может быть сохранено, равно 100, и если число заданий превышает 100, клавиша [HDD Store] станет серой и неактивной.

3.5 Job List (4/11)

❖ HDD Recall

HDD Recall is a function to recall the files from the HDD.

HDD Recall



Print	Prints the file
Hold	The Job data will be recalled to the list of the Hold Job Screen without being output.
Print & Hold	The machine will start printing while the job data being recalled to the list of the Hold Job Screen.

The Stored job retains the information of the original specified print quantity, however, you can change it as desired.

NARRATION:

The Hard Disk Drive Recall is a function to recall the files from the Hard Disk Drive. The Stored job retains the information of the original specified print quantity, however you can change it as desired.

Восстановление задания с жесткого диска - это функция вызова файлов с жесткого диска. Сохраненное задание сохраняет информацию об указанном в оригинале количестве отпечатков, однако вы можете изменить ее по своему усмотрению.

3.5 Job List (5/11)

❖ Job Ticket Edit/Image Page Edit

Job List > Hold Job

There are two functions in Job Edit.

Functions	Descriptions
Job Ticket Edit	To check the Basic Setting, Output Setting, Application Setting, Paper Setting, and Quality Adjustment made for a Hold Job and also to partially change them for output. Crop Mark can be specified as well.
Image Page Edit	To check the page by preview image. This function also allows you to insert, move, or copy the images or sheets (covers).

If output conditions (such as option configuration) differ from those of the Hold Job, the symbol mark [X] will be displayed and the Output/Overwrite Save are not available.

HD-514 is required



NARRATION:

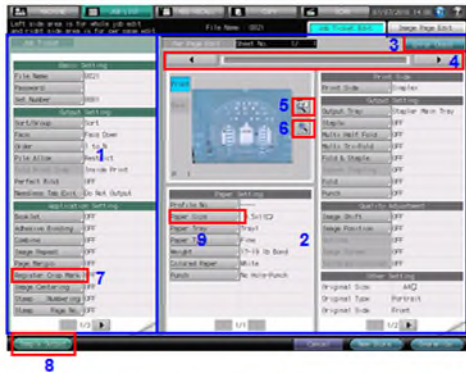
There are two functions in Job Edit, Job Ticket Edit and Image Page Edit.

3.5 Job List (6/11)






❖ Job Ticket Edit Screen

Job List > Hold Job > Job Ticket

This Screen allows you to check the print result by previewing or outputting a sample sheet to change the setting.



* Color Balance (Not shown on this screen)

1	Job Ticket 	To edit the all of job.
2	Per page Edit	To edit each page.
3	Error Check 	Flashes in orange when you made a setting change unavailable for output. Press this key to display the cause.
4		Pressed to scroll the preview image.
5	Rotate View /Output Direction View button	Pressed to rotate the preview image, or to check the output direction of the image.
6	Enlarge Preview 	Pressed to set crop marks or image shift function.
7	Register Crop Mark	To specify a Register Crop Mark.
8	Sample Output	To output a sheet or preview image sheet in order to check the print setting.
9	Paper Size 	To set paper size.

NARRATION:

Shown here is the Job Ticket Edit Screen with a table that covers the functions of the different selections. Click on the PDF Links for additional information regarding that selection.

3.5 Job List (7/11)

❖ Register Crop Mark in Job Ticket Edit

Job List > Hold Job > Job Ticket Edit

Use this function to print the lines indicating the trim size (Corner Crop Marks) along with image data stored in a hold job. Also, lines indicating the center of the image (Center Crop Marks) can be printed on the head and foot of the page.



*User/Admin. Setting > Common Setting
> Center Crop Mark Trim Margin

Functions	Descriptions
1 Corner Crop Mark	The 3 types of marks and OFF buttons are provided. Setting for a scan job is unavailable. The line width: approx. 0.1mm.
2 Center Crop Mark	Specify the space between the center crop mark and image area in the Utility*. (0.0-20.0mm: default: 1.0mm).
3 Print Object	Select one of the Comp. Unit or the Image Unit.
4 Trim Margin	Specify the trim margin by the corner crop mark from 0.1-20mm (by 0.1mm: default 3mm).
5 Offset X/Y-coordinate	The print position of the corner crop mark can be offset. (-20.0+20.0mm by 0.1mm: default 0.0mm)
6 Back Side Printing OFF	Select either both sides or the front side only for the print side of the corner crop mark and center crop mark in duplex printing.
7 Page Margin Synchronize OFF	Specify whether or not to synchronize the print position of the corner crop mark and center crop mark with Page Margin.

NARRATION:

The Crop Mark Function allows lines to be printed that will indicate the trim size along with additional adjustments of how the image will be displayed.

3.5 Job List (8/11)

❖ Image Page Edit Screen

Job List > Hold Job > Page Edit

The preview image of the file selected on the Hold Job Screen is displayed for up to 30 Sheets and the images or covers can be inserted, moved, or copied.



Functions		Descriptions
1	Insertion Point	Designates the point to insert sheets or images. When selected, the triangle turns white on the brighter background.
2	Image Count	Indicates the image count of the file.
3	Continuous	Pressed to select multiple preview images in the image Page Edit operating section.
4	Blank Insert	Insert a blank image into the location specified with the insertion point.
5	Insert Sheet	Pressed to make the paper setting for copy paper or tabbed sheets to be used as insertions.
6	Insert Image	Pressed to insert image data selected from the image file of the hold job.
7	Call Insert Job	Pressed to select the image data to be inserted from the image file of the hold job.
8	Image Only	Selected to insert the image data only.
9	Image+ Page Set	Selected to insert image data along with the page setting of the data.

[Details](#) 

NARRATION:

The preview image of the file selected on the Hold Job Screen is displayed for up to 30 Sheets and the images or covers can be inserted, moved, or copied.

3.5 Job List (9/11)

❖ Schedule (1/3)

Job List > Schedule

The Schedule Screen shows the printing, suspended, or reserved jobs displayed on the Reserved Job Screen using Job Bars. It also allows you to change the order of Reserved Jobs from the job bar display, or to change the Paper Tray specified for a Reserved Job.

The screenshot shows a software interface for managing a print schedule. The main area displays a grid of job bars with columns for job name, start time, and end time. The bars are color-coded: blue for 'Plenty of Paper', yellow for 'Short supply of paper', and orange for 'Lack of paper, no appropriate paper, or tray information is mismatched'. A red box highlights a specific job bar with the text 'IC-601, HD-514 and PH-102 are required.' Below the grid, there are several control panels: 'Unit of Operation Time' (top left), 'Operation Dialog' (top right), 'Paper Mismatch' (middle left), 'Unit Change' (middle left), 'Paper Setting Dialog' (bottom right), and 'Change Tray Paper' (bottom right). A 'Change the scale of the Job Bar display' callout points to the bottom left of the grid. The bottom status bar shows 'Ready to receive print 0024'.

NARRATION:

The Schedule Screen shows the printing, suspended, or reserved jobs displayed on the Reserved Job Screen using Job Bars. It also allows you to change the order of Reserved Jobs from the job bar display, or to change the Paper Tray specified for a Reserved Job.

На экране «Расписание» отображаются задания печати, приостановленные или зарезервированные задания, отображаемые на экране «Зарезервированное задание» с использованием панелей заданий. Это также позволяет изменить порядок зарезервированных заданий на дисплее панели заданий или изменить лоток для бумаги, указанный для зарезервированного задания.

3.5 Job List (10/11)

❖ Schedule (2/3)

Job List > Schedule

Operating Paper Setting Dialog via Operation Dialog

Operation Dialog



Paper Setting Dialog



Functions of the Operation Dialog	
Job Reselect	Displays the Paper Setting Dialog of the desired job.
Tray Select	If the selected job uses more than one tray, the Paper Setting Dialog of the job can be switched from one tray to another.
Order Change	Changes the output order of the selected job. *Changing output order of reserved jobs is also available on the Reserved Job Screen.

To exit the Schedule Screen, press [X] and make it disappear from the screen.

Change Tray Paper

NARRATION:

When scheduling Paper Jobs, you can select the Operation or Paper Setting Dialog Buttons to access additional information about the job.

3.5 Job List (11/11)

❖ Schedule (3/3)

Job List > Schedule

Changing the Paper Setting of the Tray

If no appropriate tray is found for a reserved job, the paper setting of that job needs to be changed. Display the **Change Tray Paper** dialog to change the paper setting.

The required condition for the tray to be changed

The job to change the paper setting is currently **suspended or idling**.

The tray to change the paper setting is **not scheduled for use** in jobs to be output before the job.

The **tray information is mismatched** to make it unavailable for feeding.

If a tray cannot be changed in the Paper Setting (the desired tray selected), the Tray Key appears grayed out to show inactivity.



NARRATION:

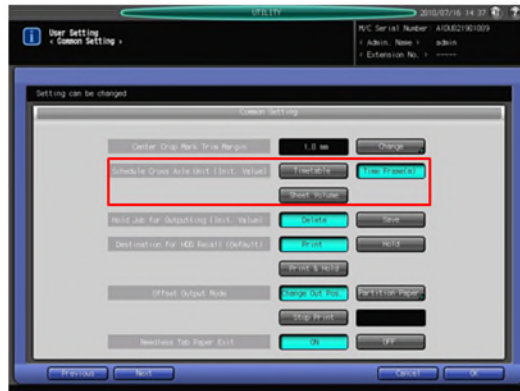
If no appropriate tray is found for a reserved job, the paper setting of that job needs to be changed. Display the Change Tray Paper dialog to change the paper setting.

3.6 User Setting/ Admin. Setting (1/3)

❖ Schedule Cross Axis Unit (Initial Value)

User Setting / Admin. Setting > Common Setting

You can select the Cross Axis Unit on the Schedule Screen.
After turning the Sub Power Switch, OFF/ON, this unit will be displayed.



*Cross Axis Unit
(Operation Unit)

IC-601, HD-514 and PH-102 are required for this setting.

NARRATION:

With Cross Axis Unit Change, you can select the Amount of Paper, when the Job is Scheduled to be completed and how long the job is estimated to take.

С помощью функции «Изменение единицы измерения по оси» вы можете выбрать количество бумаги, когда запланировано завершение работы и сколько времени она займет.

3.6 User Setting/ Admin. Setting (3/3)

❖ Language Setting

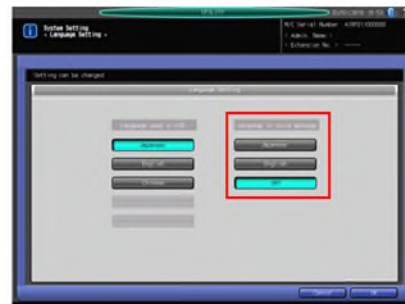
Utility > User Setting > System Setting >

Users can select the User Interface Language and the Information Voice Language on this screen.

The Language options for the Information Voice are only [Japanese] or [English].

If the Information Voice does not support [Japanese], the Language Key will just show [----].

	North America	Europe
Language in LCD	English (default)/ French /Spanish/ Japanese	English (default)/ German/French/Italian/ Spanish
Language in Voice	English (default)/ Japanese	English only (default)
	If Info. Voice is turned OFF, only the Information sound will be available.	



Information Voice Reproduction has the priority over Information Sound Reproduction.

When multiple voice reproductions are requested, the succeeding voice will be reproduced after the preceding voice.

NARRATION:

Users can select the User Interface Language and the Information Voice Language on this screen.

The Language options for the Information Voice are only [Japanese] or [English].

If the Information Voice does not support [Japanese], the Language Key will just show a dotted line.

На этом экране пользователи могут выбрать язык интерфейса пользователя и язык голосовой информации. Параметры языка для информационного голоса: только [японский] или [английский].

Если информационный голос не поддерживает [японский], языковая клавиша просто покажет пунктирную линию.

3.7 Admin. Setting (1/10)

❖ Toner Density Sensor Speed

Admin. Setting > System Setting > Expert Adj. > Process Adj.

Readjust the value of Toner Density Control Voltage in 1,3,4,5 Line Speeds in order to clear the problems such as Image Overlap or Toner Scattering, mainly caused by the Instability the of Toner Density.

	Line Speed
C8000	2, 3
C7000/C7000P	1, 3, 4, 5
C6000	4, 5



NARRATION:

With the Toner Density Sensor Speed Adjustment you can control such image related problems as Image Overlap, and Toner Scattering, that mainly cause the Instability of the Toner Density.

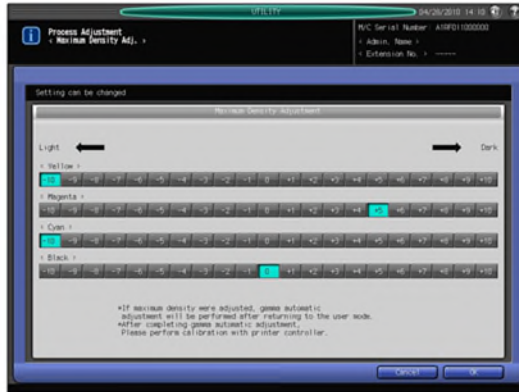
Отрегулируйте значение напряжения управления плотностью тонера в 1,3,4,5 линейных скоростях, чтобы устранить такие проблемы, как перекрытие изображения или рассеяние тонера, в основном вызванные нестабильностью плотности тонера.

3.7 Admin. Setting (2/10)

❖ Maximum Density Adjustment

Admin. Setting > System Setting > ExpertAdj. > Process Adj.

Adjusts the maximum density for the yellow, magenta, cyan, and black toners.



Procedure

1. Adjust Maximum Density
2. The machine will start the Gamma Automatic Adj. after Step 1.
3. Perform Color Density Manual Control
4. Proceed to the calibration with the Printer Controller.

NARRATION:

In the Expert Adjustment Section of Administrator Settings, you can set the Maximum Density for each of the colors individually prior to Calibration.

3.7 Admin. Setting (3/10)

❖ Custom Screen (1/2)

Utility > Admin. Setting > System Setting > Expert Adj. > Quality Adj.

On the Custom Screen, one of each five types of screens can be selected singly for Line 1, Line 2, Dot 1, Dot 2, and Stochastic.

However, when [Restrict] is selected on "Screen" of Image Quality Setting in User's setting, the keys on the Custom Screen will be grayed out.

To change the screen type on the Custom Screen, first you need to select [Permission] on "Screen" of Image Quality Setting.

After changing the screen type on the Custom Screen, adjust each setting by following a flow chart on a later page.



Default for each Screen
Line 1/Line 2: [Restrict]
Dot 1 /Dot 2: [Permission]



Default for each Custom Screen
Line 1: Line 190 Line 2: Line 180
Dot 1: Dot 190 Dot 2: Dot 130
Stochastic: ED1

[Screen Type Details](#)



NARRATION:

Shown here are the different Screen Types and details for what screening process will be applied to the image.

NOTE: Stochastic screening is a halftone process based on the random distribution dots, using a sort of frequency modulation to make a density of dots according to the gray level desired.

The traditional amplitude modification or halftone screening is based on a geometric and a fixed order of dots, which vary in size depending on the tone color represented (for example, from 10 to 200 microns).

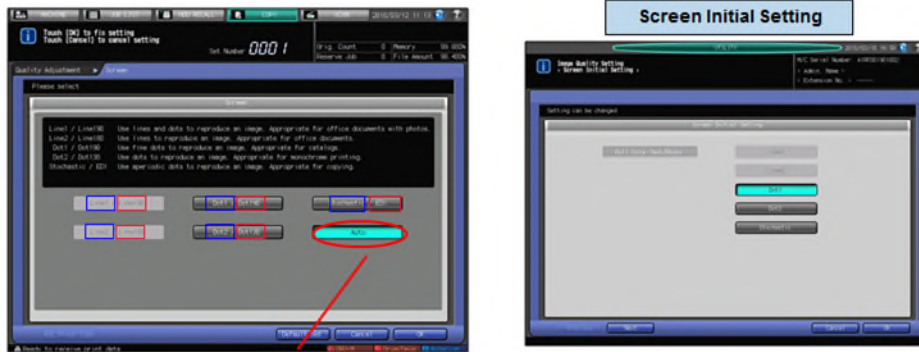
The stochastic screening or frequency modulated (FM) screening, instead uses a fixed size of dots (for example, about 25 microns) and a distribution density that varies depending on the color's tone.

3.7 Admin. Setting (4/10)

❖ Custom Screen (2/2)

Utility > User Setting > Image Quality Setting

As the adjustments to the Custom Screen Setting finish, the changed Screen Type is applied to the Quality Adjustment in the Copy Screen.



Auto

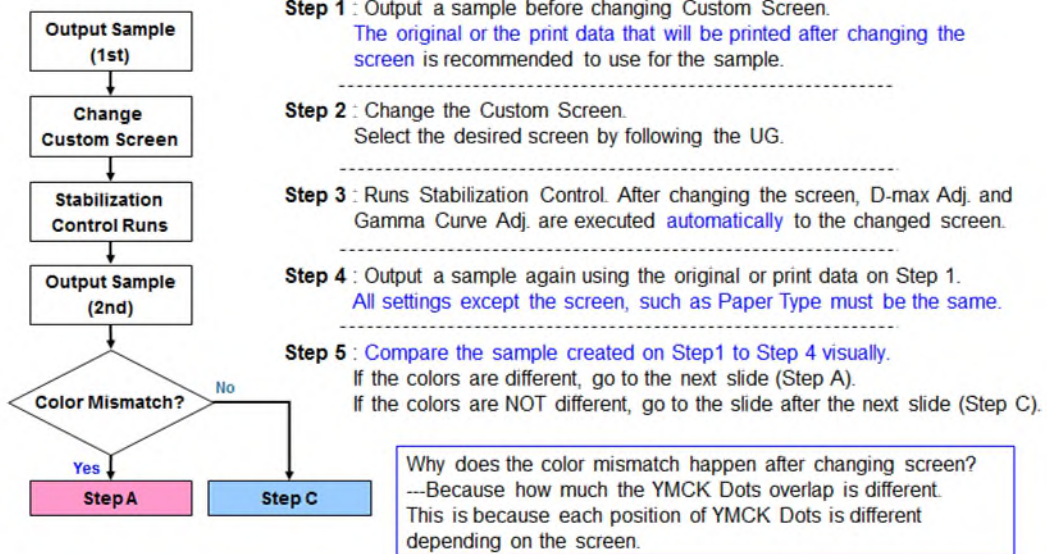
The screens selected on the **Screen Initial Setting** will be selected automatically depending on the Screen Setting on the Quality Adj. and the Color Setting on the Copy Screen.

NARRATION:

As the adjustments to the Custom Screen Setting finish, the changed Screen Type is applied to the Quality Adjustment in the Copy Screen.

3.7 Admin. Setting (5/10)

❖ Procedure after Changing Custom Screen (1/3)

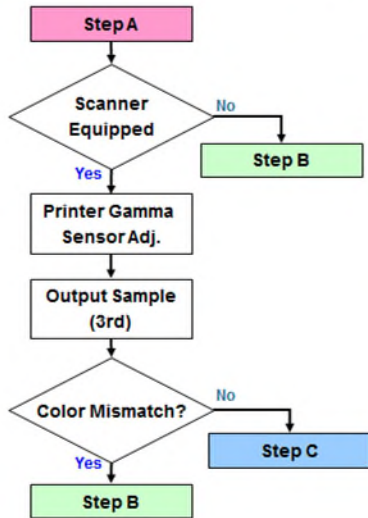


NARRATION:

Shown here over the next three slides are the steps that must be performed after Changing the Custom Screen.

3.7 Admin. Setting (6/10)

❖ Procedure after Changing Custom Screen (2/3)



Step 6 : If equipped with the Scanner, make the Printer Gamma Sensor Adj.
If without the scanner (C7000P), go to Step B to do Controller Calibration.

Step 7 : The procedure for the Printer Gamma Sensor Adj. is the same as bizhub PRO C6501.

Step 8 : Output a sample again using the original or print data on Step 1.
All settings except the screen, such as Paper Type must be the same.

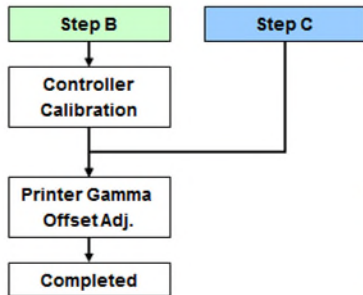
Step 9 : Compare the sample created on Step1 to Step 8 visually.
If the colors are different, go to Step B to do Controller Calibration.
If the colors are NOT different, go to Step C.

NARRATION:

Here are steps 6 thru 9 of the Procedure after Changing the Custom Screen.

3.7 Admin. Setting (7/10)

❖ Procedure after Changing Custom Screen (3/3)

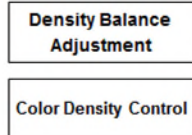


Step 10 : Do the Controller Calibration using ES-1000 (recommended) or others.

Step 11 : The procedure for the Printer Gamma Offset Adj. is the same as bizhub PRO C6501.

Step 12 : Completed.
If necessary, make two other adjustments.

Make the following adjustments if necessary



NARRATION:

The remaining Procedure after Changing the Custom Screen steps 10 thru 12 are covered here. Only if necessary, you and also make the Density Balance Adjustment and the Color Density Control Adjustment.

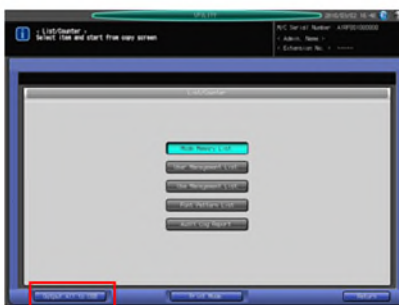
3.7 Admin. Setting (8/10)

❖ Output All to USB

Utility > Admin. Setting > System Setting > List Counter

The Following 5 lists can be saved on a USB Memory Device at the same time by pressing the [Output All to USB] Key.

Mode Memory List / User Management List / Use Management List / Font Pattern List / Audit Log Report



File Name:

[listprintadmin product code + destination code + serial No. _YYYYMMDD _ HHMM. Text

(e.g.)listprintadminA1RF001901002_2010_0305_1449.txt

Files with the same name will be overwritten.

NARRATION:

The Following 5 lists can be saved on a USB Memory Device at the same time by pressing the [Output All to USB] Key.

The lists that can be saved are: the Mode Memory List , User Management List , Use Management List , Font Pattern List , and the Audit Log Report.

It should be noted that file names that are the same will be overwritten.

Следующие 5 списков могут быть сохранены на устройстве памяти USB одновременно, нажав Клавишу [Вывести все на USB].

Можно сохранить следующие списки: список памяти режима, список управления пользователями, список управления использованием, список шаблонов шрифтов и отчет журнала аудита.

Следует отметить, что одинаковые имена файлов будут перезаписаны.

3.7 Admin. Setting (9/10)

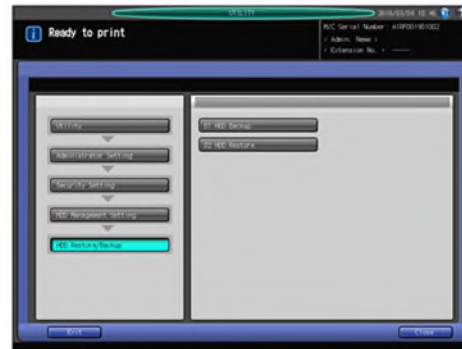
❖ HDD Restore/Backup

Utilities>Admin > Security > HDD Management Set.

All data stored during the “HDD Recall” and the “Hold Job” functions of the HD-514 (Qty of 6 160GB Hard Disk Drives) will be backed up or restored from the USB HDD.

Note

- All functions cannot be used during Restore/Backup Operation
- The machine will start to conserve energy during operation. (ORU-M Mode)
- Up to 25 hours to move the full memory contents



Operation Environment

- Connect the USB-HDD to a Service Port
(Power for the USB-HDD should be supplied from External Power Source.)
- Turn OFF the Security Strengthen Mode

NARRATION:

All data stored during the “Hard Disk Drive Re call”, and the “Hold job” functions of the HD-514, (Qty of 6, 160GB Hard Disk Drives), will be backed up or restored from the USB Hard Disk Drive.

Important notes:

All machine and system functions, cannot be used during Restore or Backup Operation.

The machine will start to conserve energy during the operation, and it can take up to 25 hours to move the full memory contents.

Все данные, сохраненные во время «Повторного вызова жесткого диска» и функций «Задание на удержание» HD-514 (кол-во 6, жесткие диски емкостью 160 Гб), будут сохранены или восстановлены с жесткого диска USB.

Важные заметки:

Все функции машины и системы не могут быть использованы во время операции восстановления или резервного копирования.

Машина начнет экономить энергию во время работы, и может потребоваться до 25 часов, чтобы переместить все содержимое памяти.

3.7 Admin. Setting (10/10)

❖ Stabilization Adjustment Setting

Admin. Setting > System Setting > ExpertAdj. > Quality Adj.

Set the Priority to either Output Speed or Image Quality Stability for each of Copy and Print Job. Selecting the Image Quality Stability allows you to specify the Frequency of Gamma Correction and Maximum Density Correction individually for Copy and Print Jobs.

	Setting Items		
C8000	Maximum Density	None, -2, -1, 0	
	Medium Density	None, -2, -1, 0	
C7000/7000P (Printer only) / C6000	Copy	Speed	-
		Stability	Gamma: None, -2 to +2 Max. Density: -2 to +2
	Printer	Speed	-
		Stability	Gamma: None, -2 to +2 Max. Density: -2 to +2



NARRATION:

The Stabilization Adjustment Setting will set the Priority to either Output Speed or Image Quality Stability for each copy and print job.

Set the Priority to either Output Speed or Image Quality Stability for each of Copy and Print Job.

Selecting the Image Quality Stability allows you to specify the Frequency of Gamma Correction and Maximum Density Correction individually for Copy and Print Jobs.

Установите для параметра «Приоритет» значение «Скорость вывода» или «Стабильность качества изображения» для каждого из заданий копирования и печати.

Выбор Стабильности качества изображения позволяет вам задавать частоту гамма-коррекции и максимальную коррекцию плотности отдельно для заданий копирования и печати.

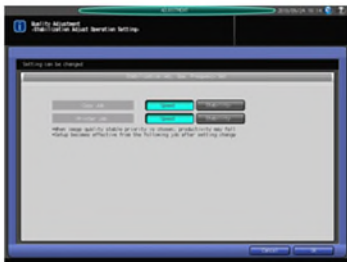
3.8 Adjustment 1 (1/4)

❖ Stabilization Adjust Operation Setting / Belt Refresh Mode

Machine Status > Adjustment

Stabilization Adjust Operation Setting

- Set priority to either the output speed or the Image Quality Stability for each of copy job and printer job.



Belt Refresh Mode

- Perform this setting when white streaks on the image appears on the same places of all YMCK in the paper feed direction due to the use of a lubricant.
- While a toner is supplying to the Intermediate Transfer Cleaning Unit, the toner removes the lubricant to lose the streaks.



NARRATION:

The Stabilization Adjust Operation the choice of Output Speed or Image Quality settings for each copy and printer job. While the Belt Refresh Mode Settings allows to help remove white streaks on the image from the lubricant by allowing the Intermediate Transfer Belt to rotate, thereby removing the streaks by the lubricant.

Операция регулировки стабилизации - выбор параметров скорости вывода или качества изображения для каждого задания копирования и принтера. В то время как Настройки режима обновления ремня позволяют удалить белые полосы на изображении из смазки, позволяя вращать Промежуточный ремень переноса, тем самым удаляя полосы смазкой.

3.8 Adjustment 1 (2/4)

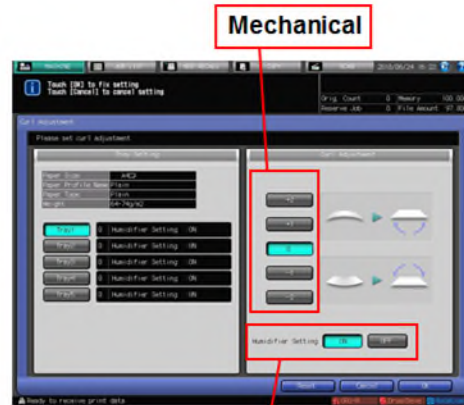
❖ Curl Adjustment (RU-509)

Machine Status

The Curl Adjustment using RU-509 provides two methods.

Method	
Mechanical	Mechanical method: Decurl Section strokes the paper to reduce curl. Select one of five Curl Correction Strength Levels.
Humidification	Use the Decurl Unit of Humidifier HM-102 to humidify the paper and adjust the amount of moisture contained in the paper after printing to reduce curl. *HM-102 required.

Effective Method	
Coated Paper	Mechanical
Other papertypes	Mechanical, Humidification



In addition to the Decurl Unit of the RU-509, the **other feeding parts** also help to reduce the curl by cooling the paper after fusing.

NARRATION:

Two methods of removing Paper Curl are used in the Optional RU-509, mechanical and humidification.

3.8 Adjustment 1 (3/4)

❖ Curl Adjustment (RU-509)

Machine Status

With Humidifier HM-102 installed, pressing the [Reset], resets the machine as described in the table below.

Paper Type	Weight	Humidification Curl Adjustment ON/OFF
Plain, Fine	64 g/m2 to 300 g/m2	ON
Color Specific	64 g/m2 to 135 g/m2	Unavailable
Coated- GL/ML/GO/MO	136 g/m2 to 300 g/m2	OFF

The adjustment value goes positive or negative depending on the setting of the Face, in the Output Setting in Simplex/Duplex Printing.

The adjustments for **facedown** are different from C8000.

Simplex/Duplex	Face in Output Setting	Curl ► adjustment direction	Strength level
1→1 2→1	Face Up		[+1], [+2]
			[-1], [-2]
	Face Down		[+1], [+2]
			[-1], [-2]
1→2 2→2	---		[+1], [+2]
			[-1], [-2]

Curl>>Adjustment direction	Strength level
	[+1], [+2]
	[-1], [-2]

NARRATION:

With Humidifier HM-102 installed, pressing the [Reset], resets the machine as described in the below. The adjustment value goes positive or negative depending on the setting of the Paper Face, in the Output Setting in and Simplex/Duplex Printing.

3.8 Adjustment 1 (4/4)

❖ Curl Adjustment (Main Body/FS-531/FS-612)

Machine Status > Adjustment > Finisher Adjustment

Curl Adjustment can be made even though RU-509 is not installed on the machine.

Curl adjustment buttons are displayed on the screen at the time when:

- No finishing equipment is hooked up to the machine.
- FS-531/FS-612 is installed on the machine without the installation of the RU-509.

Main Body



FS-531/FS-612



[Simplex Tri-Fold 64 to 80 g/m2]
[Simplex Tri-Fold 81 to 105 g/m2]
Can not be chosen on FS-531

[Simplex Tri-Fold 64 to 80 g/m2]
[Simplex Tri-Fold 81 to 105g/m2]
Can not be chosen on FS-531

NARRATION:

The Curl Adjustment can also be made on the Main Body or the FS-531/FS-612, when the Optional RU-509 is not installed

3.9 Adjustments 2

- Density Balance Adjustment
- Density Balance Chart Output
- Density Balance Data Register/Delete
- Color Density Control
- Color Density Manual Control
- Register Paper Category
- How to use the Measure Spectrophotometer

Specifications	i1iSis (Paper width 60 mm to 230 mm)	i1iSis XL (Paper width 60 mm to 330 mm)	i1Pro
Density Balance Adjustment (11x17, A3, 12x18, SRA3, 13x19)	X	○	○
Color Density Control	△ A4 □ size of smaller only	○	○

*Recommended to purchase i1iSis XL (A3 + Compatible version) rather than i1iSis.

*Eye-One = i1 *RU-509 is required.

NARRATION:

The following Density and Color Adjustments will be covered in this section, along with the Use of the Spectrophotometer.

Density Balance Adjustment

❖ Density Balance Adjustment

Adjustment

The Density Balance Adjustments adjusts the density gradient of the Scanning Direction of the Image, so that the Image Control Data is corrected evenly.

	bizhub PRO C6501	bizhub PRESS C7000
How to Adjust	On Manual Adjustment (Visual)	On Manual Adjustment (Visual) Automatically (measured by Measure Spectrophotometer)
Number of Correction Points	9	32
Correction Setting at each gradation	Disable	Enable
Target Data for correction	Screen after the adjustment (Pulse Width)	Screen before the adjustment (Gradation Data)
Correction Value Setting at each screen	Disable	Enable

NARRATION:

The Density Balance Adjustments adjusts the density gradient of the Scanning Direction of the Image, so that the Image Control Data is corrected evenly.

Density Balance Chart Output

❖ Density Balance Chart Output

1. Select the type of chart which suits your Measure Spectrophotometer.
2. Press [Print Mode], then specify on Quality Adj. Screen and paper setting and then press [Start] Key.

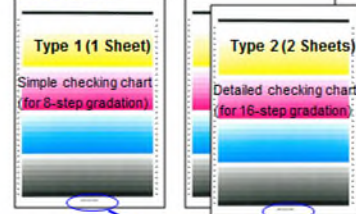
Adjustment > Density Balance Adj.



Paper Size for Output Chart 11x17, A3, 12X18, SRA3, 13x19

*Recommend to purchase i1iSis XL(A3 + Compatible version).
(i1iSis does not support for 11x17, A3, 12X18, SRA3, and 13x19.)

i1iSis XL



ID No.

i1Pro



ID No.

NARRATION:

First the type of chart must be selected that matches the Spectrophotometer that you are using.

Density Balance Data Register/Delete (1/4)

❖ Density Balance Data Register/Delete (1/4)

Adjustment > 04 Density Balance Adj.

Adjustment Data can register up to 10 entries.

Adjustment Data Profile Name
When registering the data measured by Measure Spectrophotometer the desired profile names are displayed. When setting the data manually, "NEW PROFILE" will be displayed.

To use the adjustment data, turn to [Enable]. Only one adjustment data is able to turn to [Enable] if all conditions such as Screen, Paper Type and Weight are the same.

Measured Data Load
Loads measured data into the Main Body.

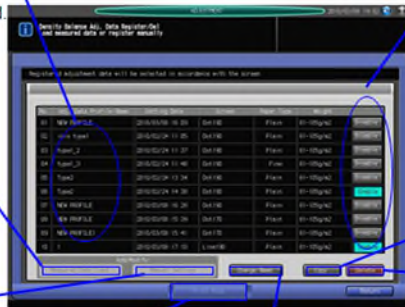
Manual Setting
Registers Correction Data manually. Also, adjusts the finely measured data which is loaded and registered.

Print Mode
Outputs a chart corrected with the selected adjustment.

Change Name
Changes the Adjustment Data Profile Name

Copy
Copies the selected adjustment value. Duplication is unavailable. If 10 pieces of adjustments data has already been registered, delete one from the list.

Delete
Deletes an Adjustment Data Profile



NARRATION:

Up to 10 different Density Balance Adjustment Data can be registered.

Density Balance Data Register/Delete (2/4)

❖ Density Balance Data Register/Delete (2/4)

Under the following conditions, the Registered Data cannot be used or changed, even if it is "Enabled", the data is grayed out and is not available.

- When [Restrict] is selected on the Screen of the Image Quality Setting in the User Setting for the type of screen.
- When the different type of screen is displayed on the Quality Adj. in the Copy Screen because the screen was changed on the Custom Screen in the Admin. Setting.



NARRATION:

Under the following conditions, the Registered Data cannot be used or changed, even if it is "Enabled", the data is grayed out and is not available.

First, when [Restrict] is selected on the Screen of the Image Quality Setting in the User Setting for the type of screen.

Second, when a different type of screen is displayed on the Quality Adj. in the Copy Screen. This is because the type of screen was changed on the Custom Screen in the Admin. Setting.

При следующих условиях зарегистрированные данные не могут быть использованы или изменены, даже если они «включены», данные отображаются серым цветом и недоступны.

Сначала при выборе [Ограничить] на экране настройки качества изображения в настройках пользователя для типа экрана.

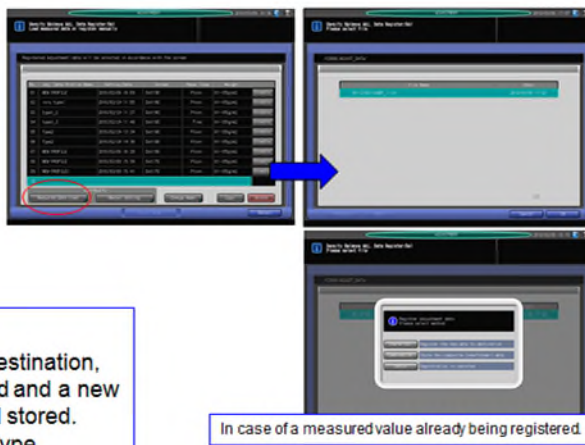
Во-вторых, когда на Quality Adj отображается другой тип экрана. на экране копирования. Это связано с тем, что тип экрана был изменен на пользовательском экране администратора. Настройка.

Density Balance Data Register/Delete (3/4)

❖ Load Measured Data

Adjustment > Density Balance Adj. >

1. Select a blank to register a Correction Value and then press [Measured Data Load].
2. Connect a USB Memory Device to a Service Port and select the desired measured data.
3. Press [OK] to register the Measured Data.



Composition of New or Stored Data

If the Registered Line is selected as a destination, the correction value is already registered and a new registration value can be composed and stored. However, the values of Screen, Paper Type, and Weight must be the same.

In case of a measured value already being registered.

NARRATION:

To Load the Measured Data, follow these steps.

1. Select a blank to register a Correction Value and then press [Measured Data Load].
2. Connect a USB Memory Device to a Service Port and select the desired measured data.
3. Press [OK] to register the Measured Data.

Чтобы загрузить измеренные данные, выполните следующие действия.

1. Выберите (пустую строку), чтобы зарегистрировать значение коррекции, а затем нажмите [Измеренная загрузка данных].
2. Подключите запоминающее устройство USB к сервисному порту и выберите нужные данные измерений.
3. Нажмите [OK], чтобы зарегистрировать измеренные данные.

Density Balance Data Register/Delete (4/4)

❖ Manual Setting



1. Select the destination to register the Measured Value and press [Manual Setting].
2. Select the color to correct and [All x 9 points] or [16 x 32 points].
3. Press [Screen] to select the desired Screen Type.
4. Enter the number and then press [Set].
5. Press [Print Mode].
6. Select the Tray Set for the proper paper and specify the Paper Setting if necessary.
7. Press [Start] Key.
8. Press [Exit Print Mode] and then touch [OK].

Adjustment > Density Balance Adj.

By touching one of the column numbers, the whole column is highlighted. Enter a number, and the number is inputted into the cells of the whole column at the same time.



Press [Screen] and select the desired screen type when adjusting manually.

Press [OK] to register the measured value after output a chart.

NARRATION:

The Density Balance Data can also be entered manually.

Color Density Control

❖ Color Density Control

Adjustment

The Gamma Adjustment is done by measuring the patch density with the Density Sensor on the RU-509. Measure Spectrophotometer: i1iSis XL or i1Pro are required when registering the Paper Category.

	Details	Scope	Default
Use Color Density Control*	[No]: Color Density Control is inactive. All the gamma adjustments are made by the Internal Sensor.	-	No
Adjustment Level	Adjustment Level can be controlled to ease the effects of rapid gamma correction when an adjustment is made while running a job. When the level is set to '1', about a 10% gamma Correction Curve is applied to the previous measured value.	1-10 (1=10%, 10=100% gamma correction)	8
Automatic Adjustment	Setting to switch OFF/ON the Automatic Adjustment. When this setting is set to 'OFF', 'Adjustment Level', 'Adjustment Interval' and 'Adjustment While Job Running' are inactive.	-	OFF
Adjustment Interval	Setting to specify the interval between each adjustment.	100-99,999 sheets	1,000
Adjustment While Job Running	[Yes]: Correction is made while running a job. [No]: Correction is made after the current job is completed.	-	No

* If you select [Yes], be sure to perform Color Density Manual Control before starting any job operation.

NARRATION:

The Gamma Adjustment is done by measuring the patch density with the Density Sensor on the RU-509. Measure Spectrophotometer: i1iSis XL or i1Pro are required when registering the Paper Category.

Color Density Manual Control

❖ Color Density Manual Control

Adjustment > Color Density Control

1. Press [02 Color Density Manual Control].
2. Press [Print Mode].
*If the data already registered is selected, [Print Mode] is then not available.
Therefore, press the data again to clear the selection.
3. Select the tray which is the desired paper is set to be adjusted and then press [Paper Setting].
*If the Color Density is OFF, selecting the tray is not available.
Touch [Paper Setting].
4. Press [Change Set] to select either the [Default Adj. Data] or [Paper Category] for the Color Density.
5. Press [Quality Adj.] on the Print Mode Screen and select the desired Screen Type.
6. Press [Start] Key.

- If all 15 entries are already made, the oldest entry will be overwritten. If there is an entry with the same Paper Category, Paper Type and Screen Type, that entry will be overwritten.
- With [Yes] specified for Use Color Density Control, this manual adjustment is required and should be performed before starting any job operation.

NARRATION:

When using the Color Density Manual Control, up to 15 entries can be made.

Register Paper Category (1/2)

❖ Register Paper Category (1/2)

Adjustment > Color Density Control

The Measured Data of the Color Charts are required to perform the Color Density Control. In addition to the measured data stored in the RU as the default values, there are a maximum of 10 density adjustment data sets, corresponding to each paper type, can be registered.



1. Press [Register Paper Category].
Prior to this setting, 'User Color Density Control' should be set to [Yes].
2. Select (Highlight) a line in the 'Paper Category List' to register the measured data and then press [Print Mode].
3. Input the Paper Category Name.

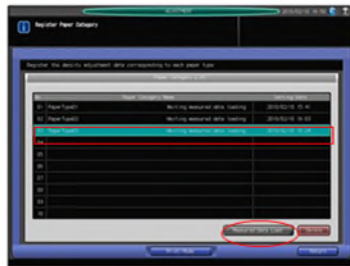


NARRATION:

The Measured Data of the Color Charts are required to perform the Color Density Control. In addition to the measured data stored in the RU as the default values, there are a maximum of 10 density adjustment data sets, corresponding to each paper type, can be registered.

Register Paper Category (2/2)

❖ Register Paper Category (2/2)



Adjustment > Color Density Control



4. Select which tray to register the Paper and Screen Type, and then output the chart.
*The Default Chart will be output as 'Dot 1'.
5. Measure the chart with Measure Spectrophotometer and save the measuring results in a USB Memory. Insert the USB Memory into the Main Body.
6. Select the Paper Category Name inputted in the Step 3, and then press, [Measured Data Load].
7. The data saved in the USB Memory will appear. Select the Target File.
*When a file is selected, all other required data will be highlighted.
8. Press [OK] to complete the registration. The message 'Loading Measured Data' will then disappear.

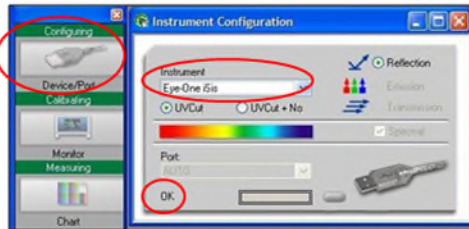
NARRATION:

Here are the remaining steps 4 thru 8 for Registering a Paper Category.

How to use the Measure Spectrophotometer (1/3)

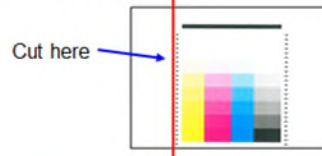
❖ How to use the Measure Spectrophotometer (1/3)

Use "ProfileMaker Measure Tool" of X-rite.



Prerequisite

To register **the Color Density Control** using **i1iSis XL**, cut off the paper 1 cm apart from the dotted line on the left side before inserting the chart.



1. Click the [Device/Port].
2. Select the device (Eye-One iSis or Eye-One Pro) from the Instrument.
*Select [Eye-One iSis] for i1iSis XL.
3. Check that the device status is OK.

NARRATION:

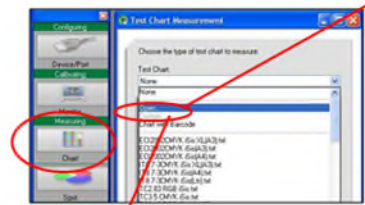
The use of the X-Rite Profile Maker Measurement Tool is covered over the next three slides.

How to use the Measure Spectrophotometer (2/3)

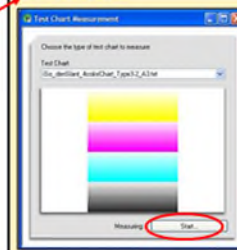
❖ How to use the Measure Spectrophotometer (1/3)

4. Click the [Chart].

5. Choose the type of Test Chart.



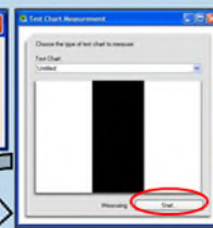
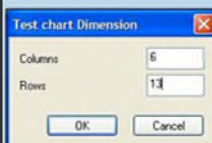
i1iSis XL



- (1) Click the [Open...] and select Test Chart file for i1iSis XL.
- (2) Click the [Start].
- (3) Insert the Chart into i1iSis XL.



i1Pro



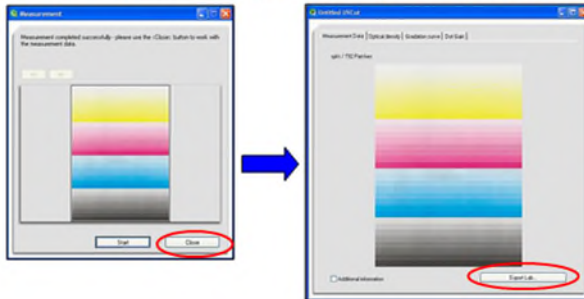
- (1) Click the [Custom...]. The Chart Dimension Screen will be displayed.
- (2) Enter the number of Columns and Rows.
- (3) Click [OK]. Test Chart Measurement Screen will be displayed.
- (4) Click the [Start].
- (5) One patch is finished and then move to the next patch on the right.

NARRATION:

You must select the type of chart and these steps are different for the i1iSis and the i1Pro.

How to use the Measure Spectrophotometer (3/3)

❖ How to use the Measure Spectrophotometer (1/3)



6. Click the [Close] when measurement completed.

7. Click the [Export Lab...] to save file.

8. Create a folder and files named as follows.

	Folder Name	File Name
Density Balance Adjustment	C7000\ADJUST_DATA	ID Number*_desired name.txt**
Color Density Control	C7000\ADJUST_DATA	ID Number.txt

* ID No. is at the lower left of a chart. Refer to "Density Balance Chart Output".

** When selecting Chart Type 2 from Measure Spectrophotometer-1 (i1-iSis), the ID numbers of file name are different but the desired name must be the same.

e.g)11111111111111111111_original1.txt
11111111111111111112_original1.txt

NARRATION:

After you have exported the data, you must have the folder and file names created to match the examples given here.

3.10 Security

❖ The Control Software Version certified by ISO15408 (EAL 3)

Image Control Program (Image Control I1) Version

bizhub PRESS C7000/C7000P/C6000

A1DU0Y0-0011-G00-10 (Not approved yet)

- In business machines, software is normally upgraded gradually. The certification is applied to the **Current Version Only**, so the Upgraded Version will not be certified automatically. However, the Security Function is maintained in the bizhub PRESS C7000/C7000P/C6000 Control Software even when it is upgraded and **there is no change in the contents**.
- If the Control Software Version of the bizhub PRESS C7000/C7000P/C6000 is upgraded, the Certification in the Current Version of Software is not carried over to the updated version. However the Certified Security Function is maintained in the Successor Version.
- If a Control Software Upgrade is needed when installing or repairing an option at the Customer Site etc., **be sure to explain the above before upgrading the software**.
- * **Enhanced Security Mode can be set without releasing the Overnight Output Function by DIP SW.**

NARRATION:

In business machines, software is normally upgraded gradually. The certification is applied to the Current Version Only, so the Upgraded Version will not be certified automatically. However, the Security Function is maintained in the bizhub PRESS C7000/C7000P/C6000 Control Software even when it is upgraded and there is no change in the contents.

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If the Control Software Version of the bizhub PRESS C7000/C7000P/C6000 is upgraded, the Certification in the Current Version of Software is not carried over to the updated version.

However the Certified Security Function is maintained in the Successor Version.

If a Control Software Upgrade is needed when installing or repairing an option at the Customer Site etc., be sure to explain the above before upgrading the software.

Enhanced Security Mode can be set without releasing the Overnight Output Function by DIPSW.

В бизнес-машинах программное обеспечение обычно обновляется постепенно.

Сертификация применяется только к текущей версии, поэтому обновленная версия не будет сертифицироваться автоматически.

Тем не менее, функция безопасности поддерживается в управляющем программном обеспечении bizhub PRESS C7000 / C7000P / C6000, даже если оно обновлено и содержимое не изменяется.

Если версия управляющего программного обеспечения bizhub PRESS C7000 / C7000P / C6000 обновлена, сертификация в текущей версии программного обеспечения не переносится на обновленную версию.

Однако сертифицированная функция безопасности поддерживается в последующей версии.

Если при установке или ремонте какой-либо опции на Сайте Клиента и т. Д. Требуется обновление Управляющего программного обеспечения, не забудьте объяснить вышеизложенное перед обновлением программного обеспечения.

Режим повышенной безопасности можно установить, не отключая функцию ночного вывода с помощью DIPSW.

3.11 Lesson 3: Review

Lesson 3

In this Lesson, you learned about:

- 3.1 Main Differences
- 3.2 Copy
- 3.3 Paper Settings
- 3.4 Sample Print
- 3.5 Job List
- 3.6 User/Admin. Settings
- 3.7 Admin. Settings
- 3.8 Adjustments 1
- 3.9 Adjustments 2
- 3.10 Security

Narration: In this lesson, you learned about some of the Main Differences and New Adjustments for the bizhub PRESS C7000.

Course Completion

Congratulations, you have completed the bizhub PRESS C7000/C7000P/C6000 Differences Training Course for the Introduction Module.

After reviewing this course you should now have a good understanding of the following Lessons:

- Product Outline
- Unpacking and Installation
- User Operation

NARRATION:

Congratulations, You have completed the bizhub PRESS C7000/C7000P/C6000 Web Based Differences Training Course for the Introduction Module.

After reviewing this course you should now have a good understanding of the following Lessons: Product Outline, Unpacking and Installation and User Operations,.