

This training course contains information on the differences between the D016/G178 series (AG-series) and the new series (D095/M077).

If you are not familiar with the D016/G178 series, you should do some training on those machines before you use this training course.





- □ Model Names: Ricoh Pro C901/C901S
- □ These models replace the AG-C1 and AG-P1 in the product line-up.
- HDD capacity for the Fiery controller is less than for the AG series (was 500 GB). In the AG series, the HDD was supplied by Ricoh. In the Aries series, it is supplied by EFI.



□ The booklet finisher is new for this series (used with Katana-C2).





- □ FACI: Fiery Advanced Controller Interface
- □ The standard controller also has a DVD drive, which the AG-series does not.
- □ There is also a Creo controller for the Aries-P1.5



 $\hfill\square$  This is the same as the AG-C1/P1.



# Scanning The machine is equipped with a GW (Ricoh) scanner and a Fiery scanner as standard features. Both scanner features are available even when GW and Fiery controllers are connected to the network at the same time.





- Duty cycle: Maximum document volume per month that the machine can run. When the machine runs the 580k every month, the 60-month guarantee cannot be applied.
- □ Reliability for AG-series: Max PV 240K, Duty cycle 400k, and Max Life 14,400K
  - PM interval is 400k, same as the AG-series
  - > MCBC is 110k, same as the AG-series







# Other Enhancements More durable Aries-P1.5/C1.5: Max PV 350K, Max Life 21,000K AG-P1/C1: Max PV 240K, Max Life 14,400K More powerful Fiery controller (Pro 80) Enhanced TCRU (ORU), including the fusing unit Enhanced processing power for the controller Energy Star 1.1 compliant Operation panel Call light



□ This slide shows the operation panel for the Aries-C1.5. The Aries-P1.5 is similar, but has fewer keys.







	AG-C1/P1	Aries-C1/P1
Print Speed	90ppm	90ppm
Toner Type	Pulverized Toner	Chemical Toner
Fusing Type	Belt Fusing with Oil	Oil-less Belt Fusing
Print Resolution	1200x1200 dpi	1200x1200 dpi
Max Paper Size	13" x 19.2"	13" x 19.2"
Max Paper Thickness	Simplex: 300 g/m <sup>2</sup> Duplex: 220 g/m <sup>2</sup>	Simplex: 300 g/m <sup>2</sup> Duplex: 300 g/m <sup>2</sup>
Max Paper Thickness by tray (g/m²)	Mainframe: 220 A3/DLT LCT: 300	Mainframe: 220 A3/DLT LCT: 300
Paper Input Capacity	Standard: 2,500 sheets Max: 11,000 sheets	Standard: 2,500 sheets Max: 11,000 sheets
Operation Panel	SVGA	SVGA (New type)

□ Changes are shown in red.

	AG-C1/P1	Aries-C1/P1
Operator Call Light	On operation panel	Call Light Pole
Paper Library	No	Yes
TCRU	Yes	Yes (Added: Fusing unit, feed roller, dust filter, paper dust removal from registration unit
Decurler & Purge Unit	Standard	Standard
Max Monthly Volume	240K	350K
Max Duty	400K	580K
Max Life	14,400K or 5 years	21,000K or 5 years
Energy Star 1.1	No	Yes
Fusing Unit Air Separator Option	No	Yes

- $\hfill\square$  Changes are shown in red.
- $\hfill\square$  Why is the machine life so much longer?
  - > Reason 1: The joints in the paper feed unit are more durable joint
  - > Reason 2: The fusing temperature is lower

	AG-C1/P1	Aries-C1/P1
Controller Specs		
Standard Fiery Controller	Embedded (System 8R2)	External (System 9R2)
FACI Option	No	Yes
Paper Catalog Synchronization	No	Yes
Input Peripherals		·
A4/LT LCT	RT5000	RT5030 (with TCRU) – Aries-P1 only
A3/DLT LCT	RT5020 (Air assistance, Tandem)	RT5050 (Air assistance, Tandem, TCRU, New side fence)
Bypass Tray	BY5000	BY5000

□ Changes are shown in red.

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Output Peripherals100-sheet-staple FinisherSR5000 SR5020Cover InterposerCI5010Booklet FinisherBK5000 (15 sheets)Booklet TrimmerNoneZ-Fold UnitZF5000Zr5000RB5000Ring BinderRB5000Destact RinderCR5000CR5000CR5000		AG-C1/P1	Aries-C1/P1
100-sheet-staple FinisherSR5000SR5000, SR5020Cover InterposerCI5010CI5010Booklet FinisherBK5000 (15 sheets)SR5020 (20 sheetBooklet TrimmerNoneTR5020Z-Fold UnitZF5000ZF5000Ring BinderRB5000RB5000Destact PinderCR5000CR5000	Output Peripherals		
Cover InterposerCI5010CI5010Booklet FinisherBK5000 (15 sheets)SR5020 (20 sheetBooklet TrimmerNoneTR5020Z-Fold UnitZF5000ZF5000Ring BinderRB5000RB5000Destact PinderCR5000CR5000	100-sheet-staple Finisher	SR5000	SR5000, SR5020
Booklet FinisherBK5000 (15 sheets)SR5020 (20 sheetBooklet TrimmerNoneTR5020Z-Fold UnitZF5000ZF5000Ring BinderRB5000RB5000Destact BinderCB5000CB5000	Cover Interposer	CI5010	CI5010
Booklet TrimmerNoneTR5020Z-Fold UnitZF5000ZF5000Ring BinderRB5000RB5000Derfact BinderCB5000CB5000	Booklet Finisher	BK5000 (15 sheets)	SR5020 (20 sheets)
Z-Fold UnitZF5000ZF5000Ring BinderRB5000RB5000Destact BinderCB5000CB5000	Booklet Trimmer	None	TR5020
Ring BinderRB5000RB5000Perfect BinderCB5000CB5000	Z-Fold Unit	ZF5000	ZF5000
Derfect Binder CB5000 CB5000	Ring Binder	RB5000	RB5000
reflect bilder db3000 db3000	Perfect Binder	GB5000	GB5000
5000-sheet Stacker SK5000 (max 2 units) SK5010 (max 2 units)	5000-sheet Stacker	SK5000 (max 2 units)	SK5010 (max 2 units)

□ Changes are shown in red.



	AG-C1/P1 EFI Std.	Aries- C1.5/P1.5 EELStd		AG-C1/P1 QX CTL	Aries- C1.5/P1.8
Base CTL	-	Pro 80	Base CTL	QX100	QX100
System	System8R2	System9R2	System	System8R2	System9
Туре	Integrated	External	Туре	External	External
CPU	Core2 Duo	Core2 Duo	CPU	Xeon Quad	Xeon Qu
	2.16GHz	3.00GHz		3.0GHz x2	2.8GHz x
Memory	DDR2/2GB	DDR2/2GB	Memory	DDR2/2GB	DDR3/4G
HDD	500GB	160GB	HDD	82GB,	250GB,
DVD Drive	None	Yes		250GBx2	500GBx2
Power	From	External	DVD Drive	Yes	Yes
Supply	Mainframe		Power	External	External
FACI Kit	None	Yes	Supply		
			FACI Kit	Yes	Yes

- □ Enhanced hardware for more powerful processing (Standard and QX controllers)
- DVD drive: Used for updating firmware





- □ There is only one completely new peripheral: the RT5050 A3/DLT LCT.
  - 'NEW' in this slide means 'was not used in the AG-series'.
- □ The other peripherals are all used either with the AG-series or the Katana-C2/P1 series.



### Peripherals Compared with AG-P1/C1

	Aries-C1.5/P1.5	AG-C1/P1
A3/DLT LCT	Yes (RT5050, with TCRU)	Yes (RT5020)
A4/LT LCT	Yes (RT5030, with TCRU) Aries-P1 only	Yes (RT5000)
Standard Finisher	Yes (SR5000)	Yes (SR5000)
Z-folder	Yes (ZF5000)	Yes (ZF5000)
Booklet Finisher	Yes (SR5020: Up to 20 sheets)	Yes (BK5000: Up to 15 sheets)
Trimmer	Yes (TR5020)	No
Perfect Binder	Yes (GB5000)	Yes (GB5000)
Ring Binder	Yes (RB5000)	Yes (RB5000)
High Cap. Stacker	Yes (SK5010)	Yes (SK5000)

□ Changes are shown in red.



- □ The bridge unit is required between the LCT and the machine, as for the AG-C1.
- □ The paper capacity (standard, and with all options) is the same as for the AG-C1.



- □ The bridge unit is required between the two LCTs, as for the AG-P1.
- □ The paper capacity (standard, and with all options) is the same as for the AG-P1.
- □ The bypass tray can only be used with the 13 x 19.2 LCT.
- You can install up two 13 x 19.2 LCTs. You cannot install one 13 x 19.2 LCT and one A4 LCT.





- In the diagram, the Aries-P1.5 is shown. The options are the same for the Aries-C1.5.
- □ A Plockmatic booklet maker can be installed instead of the SR5000.
- □ The stacker is not the same as the one used in the AG-C1/P1. It is the one that is used with the Katana-C2 (SK5010).
- Buffer Pass Unit: If the Perfect Binder is installed, then the Transit Pass Unit for the Perfect Binder is installed instead.



- In the diagram, the Aries-P1.5 is shown. The options are the same for the Aries-C1.5.
- Buffer Pass Unit: If the Perfect Binder is installed, then the Transit Pass Unit for the Perfect Binder is installed instead.
- □ The stacker is not the same as the one used in the AG-C1/P1. It is the one that is used with the Katana-C2 (SK5010).
- □ The booklet finisher (SR5020; 100-sheet finisher + 20-sheets saddle-stitching) and trimmer (TR5020) are also used with the Katana-C2.
  - > The booklet finisher for the AG-C1/P1 can only make 15-sheet booklets.



- In the diagram, the Aries-P1.5 is shown. The options are the same for the Aries-C1.5.
- Buffer Pass Unit: If the Perfect Binder is installed, then the Transit Pass Unit for the Perfect Binder is installed instead.
- □ The stacker is not the same as the one used in the AG-C1/P1. It is the one that is used with the Katana-C2 (SK5010).







 $\hfill\square$  This is the same as the Katana-C2.



 $\Box$  This is the same as the Katana-C2.


□ This is the same stacker as the Katana-C2, not the AG-C1.

#### Aries-C1.5/P1.5 Training

#### **RICOH**



□ This is the same stacker as the Katana-C2, not the AG-C1.



#### **Buffer Pass Unit**



- When large volumes of coated paper get stacked, the toner on the front of the paper gets stuck to the back of the sheet that gets stacked on top.
  - When toner adhesion is severe, the image on the paper may be ruined or the paper itself may tear when separating the sheets.
- To prevent this, the Buffer Pass Unit cools the printed paper before it reaches the stacker or finisher.
- The Buffer Pass Unit contains 8 fans.



























No additional notes

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□ This new feature is explained in more detail later in the course.







□ The paper feed roller of this LCT are also replaceable by TCRU. TCRU is covered in more detail in another part of this course.





```
Replacement Guide: TCRU/ORU
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Adjustment Item Menu Guide: TCRU/ORU

- □ This shows the new adjustment settings screen.
- □ The TCRU setting menu has changed a lot since the AG-P1. The next few slides will attempt to explain the most important of these changes.



The next few slides briefly explain the important changes to the TCRU settings. It is best to experiment with these settings on the machine, because there is not a lot of explanation in the manual.









This section describes changes to the installation procedure.



- The toner type has been changed, and the machine is shipped with the sub hoppers empty (in the AG-C1, the sub hoppers contained toner when shipped). So it is necessary to tansfer toner to the sub hoppers during installation.
- **□** Full details are in the installation procedures in the service manual.



□ The next few slides contain a few examples. Check the service manual for details on each installation procedure.



□ Two paper guides are packed with the ring binder. Do not use the short one.


□ Basically the same as the previous model.



□ Basically the same as the previous model.





□ It should be a bit easier to move the new model through tight spaces.



□ The photograph shows the tube, but the controller box is not away from the machine. Anyway, we hope that you get the general idea.



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#### After Turning the Power On

□ The following procedure is new, to transfer toner from the toner bottles to the sub hoppers. This step was not needed for the AG-C1 because the sub hoppers contained toner when the machine was shipped.

- Turn the machine power on.
  » To access this switch, you must open the front left door.
  Enter SP2253-006 with the front left door open.
  - Press "Execute" to transport toner to each subhopper.
    - » It may take several minutes (approximately 5 to 10 min.) to fill the sub-hoppers.
- Exit the SP mode after "Completed" is displayed.
- Close the front left door. Machine warm-up starts automatically, followed by process control.
- If you forget to open the cover, an SC will occur soon after you start SP2253-006. Then turn the machine power off and on, open the cover, and do the SP again.



Field Service Manual > Installation > Mainframe > Installation > Paper Library Setting



Field Service Manual > Installation > Mainframe > Installation > Checking the Print Quality



- □ This section of the manual was rewritten.
- $\hfill\square$  It is basically the same as the previous models, and the Katana-C2.
- □ We will explain everything briefly, not just the changed points. See the descriptions and procedures in the service manual for full details.







□ Procedure: Service Manual > Skew and Side-to-Side Adjustment



No additional notes



- □ LE: Leading edge
- **TE:** Trailing edge

#### To check for skew

- □ Look at the scale when the leading edge comes by and when the trailing edge comes by. Check where the side edge of the paper is on the scale.
- If the side of the paper comes past at the same place on the scale, there is no skew.
- □ If the difference is more than 2 mm, you should adjust the machine.

#### To check for registration shift

- □ Look at the scale when the leading edge comes by and when the trailing edge comes by. Check where the side edge of the paper is on the scale.
- □ If the side of the paper is within 2 mm of the central line on the scale, there is no registration shift.
- □ If the side of the paper is more than 2 mm from the central line on the scale, you should adjust the machine.



- □ If the trailing edge skews towards the rear, insert the spacer at the rear side of the machine.
- □ Spacers are stored inside each peripheral. For the storage locations, see the service manual.



□ If you move the adjustment bracket, you cannot turn the small cross-shaped bracket back 90 degrees at the end of the procedure, so do not try it.





- This slide shows how side-to-side registration can be adjusted at the entrance of the cover interposer.
  - The adjustment is made on the trays, not on the bracket between the peripherals.
- □ There is no skew adjustment here. Skew can only be adjusted at the exit from the cover interposer (see the previous slide)







□ This TCRU setting is an advanced setting, made with the adjustments to the Custom Paper List. This will be described in the section on the Paper Library.





□ For full details, see the PM Table in the field service manual.





This section will explain the new Paper Library feature.



How does it Work?			
Upda	ate Aries-C1.5	Custom Paper List	EFI Controller
Faper 1,000 F Savec GW C	Library Provided Profiles I Paper Library ontroller Board	User Paper List Max 100 Profiles Modified Profiles Selected Profiles	Recall Profiles Profiles Paper Catalog Paper Catalog
	The Paper Library contains 1,00	00 paper profiles.	
	The user can select some of these for the Custom Paper List. The user assigns paper types from this list to the paper trays.		
	<ul> <li>The user can copy the Custom Paper List to a backup area in the Paper Library (called the Saved Paper Library).</li> <li>The Saved Paper Library can be copied onto an SD card for backup, and from there it can be copied to another machine.</li> </ul>		
	A technician can update the Paper Library with an SD Card. This does not overwrite the modifications that were made by the user.		
	The Paper Library is linked with the Paper Catalog of the Fiery controller, and modified profiles will automatically be applied on the Fiery controller.		
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□ The update by SD Card overwrites the Paper Library only. It does not overwrite the Saved Paper Library or the Custom Paper List, so the user's custom settings and backups are not affected.











□ This slide shows the Tray Paper Settings screen for the new series. We will talk about it a bit more later.



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- □ Paper Library: This is the data that was copied ion from the SD card from Ricoh.
- Saved Paper Library: These are the customized paper types that the user has backed up from the Custom Paper List.










Tray Paper Settings	Exit
Program / Change / Delete Custom Paper	Bit
Select a custom paper to program or change.	
Program / Change Delete Saw	to Paper Library
001 ESRAS 300 Gloss	002 DFutura Laser Matte 80lb. Text (118)
003 @Hammermill Fore MP White 201b (75)	004 @Mohawk Color Copy Gloss 521b.Bond (120)
005 Test Nedia001	006 X Not Programmed
007 🗰 Not Programmed	008 X Not Programmed
009   🗰 Not Programmed	010   X Not Programmed
011   X Not Programmed	012 * Not Programmed
013 🗰 Not Programmed	014 X Not Programmed
015 🗰 Not Programmed	016 X Not Programmed
To edit a profile, use the 'Pro	Gram/Change' button.
	3
To delete a profile, use the 'D	elete' button.
None of these functions affect copied to the GW controller f	ct the original data that w rom the SD card.

	Tray Pa	per Settings			Exit	
	Program / Change G	ustom Paper: 005		Cancel	OK	
	Make settings for t	his custom paper or press [Custom	Papers Reference] to recall (	other programmed (	custom papers.	
				Custom Paper	Reference	
	Name	Test Media001				
	Paper Size	8%×11₽				
		Barran and and and and and and and and and a				
	Paper Type	Plain Paper : White Wt.2 (63.1 - 80.0g/m2)	: Not Coated : Duplex On	: Not Pre : Auto Paper S	elect On	
	Advanced Settings					
	Logged in: Machine Admin	istretor	System Status Job List			
This so the Cu	creen appear stom Paper	s if you touch the I List. You can modi	Program/Change ty some of the se	button th	en a paper type the profile.	from
TCRU/	ORU operato	ors can change son	ne advanced set	tings by pi	essing the Adv	anced

 Advanced Settings are explained in the 'Adjustment Item Menu Guide: TCRU/ORU' manual (section 4. Details of Menu Items in Advanced Settings).



#### **Updating the Paper Library**

□ This was explained in the section of this course about Installation.

Field Service Manual > Installation > Mainframe > Installation > Paper Library Setting



### **Backing up the Custom Paper List**

- □ The Saved Paper Library has space for 1000 paper types, but the Custom Paper List is only 100 paper types.
- ❑ So, after backing up the Custom Paper List, you can delete everything and store another 100 paper types, and back these up to the Saved Paper Library. Then you have 200 paper types in the Saved Paper Library.
- □ You can do this until you have 1000 paper types in the Saved Paper Library.
- Then, to assign a paper type from the Saved Paper Library to a paper tray, you have to copy it to the Custom Paper List first.
  - See the slide: Basic Operation 3. To Select a Profile from the Paper Library for the Custom Paper List. Touch the 'Saved Paper Library' tab instead of the 'Paper Library' tab.

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The update by SD Card overwrites the Paper Library only. It does not overwrite the Saved Paper Library or the Custom Paper List, so the user's custom settings and backups are not affected.







Paper Cata	ilog (Total: 6) 🌇 Add New.	. 1	Delete 🛃 Imp	ort 🖂 📴 Expo	et 🐴	Reset to Factory
Show: Al	T Display	nre-define	d engine Media Lib	rary Templates		
Trav	Name	Weight (nsm Paper Size		Feed Direction	Type	TESTOOL
. Trav3	SRA3 300 Gloss	270	SR-A3	Short Edge Feed	Paper	Duplcate Edit
- sets	New Media	80	Letter	Long Edge Feed	Paper	
🛃 Tray2	📥 Futura Las Text (118)	118	Letter	Long Edge Feed	Paper	Description:
	Ammermill201b (75)	75	Letter	Long Edge Feed	Paper	
	A Mohawk C_Bond (120	118	Letter	Long Edge Feed	Paper	Danas Ciras Ad
	TEST001		A4	Long Edge Feed	Paper	Weight (asm): 75
						Color: White
						Type: Paper
						Date of the
						Front Coating: Noor
						Back Coating: None
						Imageable Sides : Neither
						Set Count: 0
						Brightness:
						CIE Tint:
						Lie whiteness:



This section describes changes to the PCDU.



□ The magnetic fields in the development roller were changed for best results with the new developer. But the carrier catcher roller was interfering with the magnetic field, and it is not necessary for the operation of the development unit, so it was removed.



 $\hfill\square$  The new position improves drum cleaning.



□ This could also be a condition for the AG-C1, but was not in the list in the training materials.





□ If you forget to open the cover, an SC will occur soon after you start SP2253-xxx. Then turn the machine power off and on, open the cover, and do the SP again.







No additional notes



This section describes changes to replacement and adjustment for the laser unit.







Field Service Manual, Replacement and Adjustment, Laser Unit, LD Units



This section describes changes to replacement and adjustment for the paper feed section.





This section describes changes to replacement and adjustment for the registration mechanism.





This section describes changes to the transfer unit.











This section describes changes to the fusing unit.



#### The following description is the same as the AG-C1.

- □ The fusing belt system applies heat to the belt at two points: the heating roller and the pressure roller. This allows the use of smaller rollers and conserves space. As less pressure is necessary during fusing, less torque is required.
  - The fusing belt, composed of silicone and Teflon layers, applies heat directly to fuse the toner to the paper.
  - The heating roller is an aluminum roller with three fusing lamps (1,000 W). It applies heat to the fusing belt after it passes the hot roller, and maintains the heat of the fusing belt while the machine is in standby mode.
  - The pressure roller has a metal core to provide rigidity, and is covered with Teflon to prevent toner from adhering to its surface. It applies heat with one fusing lamp (1,000 W) to maintain the temperature of the fusing belt while the machine is in standby mode.
  - The accordion jam sensor detects accordion jams where the paper exits at the nip between the hot roller and pressure roller.
  - The fusing exit sensors detect jams at the fusing exit by checking that paper arrives at the fusing exit at the correct time.
  - > The hot roller is a solid rubber roller that drives the fusing belt.


- $\hfill\square$  Here is the fusing unit of the previous machine for comparison.
- □ The cleaning unit is at the top left, and there is an oil supply unit at the top right.



- □ The hot roller expands with temperature, so the hot roller thermistor is used to control motor speed.
- The fusing temperature for each paper type can be customized by the user program mode. A service engineer can only adjust the warm up, recovery, idle rotation, ready and environmental correction temperatures.
- For details about the temperatures used in fusing temperature control, see the following file in the Reference Material directory: Fusing Temperature Control.doc



- □ Red: Thermostats
- □ Yellow: Thermistors
- Blue: Thermopiles



□ Here is the AG-C1 layout, for comparison.

<b>Detecting device</b>	Software detection	Hardware detection
Heating roller thermistor	225°C	-
Heating roller thermostat	-	260°C
Heating roller thermopile	225°C	230°C
Pressure roller thermistor	215°C	-
Pressure roller thermostat	-	230°C
Pressure roller thermopile	215°C	-

□ These temperatures are slightly lower than for the AG-C1.





This is basically the same as the AG-C1, except that this new machine has more pressure settings (the AG-C1 has 2, this machine has 4). Also, this new machine has 2 sensors (the AG-C1 has only 1).

### Mechanism

- When the pressure roller lift motor rotates clockwise, the pressure roller is lifted. When the pressure roller lift motor rotates counter clockwise, the pressure roller is lowered.
- When a job starts, the pressure roller lift motor switches on and rotates the cams clockwise.
- □ The cams lift the pressure roller arms and pressure roller against the hot roller and fusing belt.
- The pressure lift sensors monitor the actuators. The sensor readings inform the machine how much pressure is applied. For each position, the motor (a stepper motor) stops at a set time after the one of the actuators has activated the pressure roller lift sensors.
- □ At the end of the job, the motor reverses and lowers the pressure roller arm and pressure roller away from the hot roller.
- The hot roller and pressure roller remain separated except during printing. This prevents the pressure roller and hot roller from warping and prolongs their service lives.
- □ The pressure position that is used depends on the paper type.



### **Fusing Unit Pressure**

	Paper 1	Paper 2	Paper 3	Paper 4	Paper 5	Paper 6	Paper 7
Coated	P4						
Matte	-	P4	P4	P4	P4	P4	P4
Glossy	-	P4	P4	P4	P4	P4	P4
Envelopes	-	-	-	-	P4	P4	P4

- This slide shows how the machine automatically adjusts pressure for paper type and weight.
- For example, for coated paper, of weight range 'paper 1' (see the list below), P4 is used.
- **D** No pressure position < P1 < P2 < P3 < P4 (Strongest pressure)
  - Nip widths are as follows:
    - 20.5 mm for P1
    - 22.3 mm for P2
    - 23.6 mm for P3
    - 25.75 mm for P4 (this is the only one that was measured accurately)
- □ The default settings for many of these parameters is P4. Basically, the user should adjust this if necessary.
- □ Paper 1: 52.3 63.9 g/m<sup>2</sup>
- □ Paper 2: 64.0 80.0 g/m<sup>2</sup>
- D Paper 3: 80.1 105.0 g/m<sup>2</sup>
- □ Paper 4: 105.1 163.0 g/m<sup>2</sup>
- □ Paper 5: 163.1 220.0 g/m<sup>2</sup>
- D Paper 6: 220.1 256.0 g/m<sup>2</sup>
- D Paper 7: 256.1 300.0 g/m<sup>2</sup>
- □ All pressure roller lift positions can be adjusted by User Program Mode.



□ The web is applied to the pressure roller (in the AG-C1, it was applied to the fusing belt).

### Other differences

Web near-end: When 81% has been used (adjustable with SP 1902-004, as for the AG-C1)



 $\square$  The yield of the web is the same as the AG-C1.



- $\hfill\square$  This section describes the mechanisms of the new optional air separator unit.
- □ There is no scheduled PM for this unit.

### **Purpose**

This unit is used for improving separation of thin paper from the fusing unit rollers at the exit of the fusing unit.

- □ The compressor unit takes in air, and then blows it into an air tank.
- The air tank holds the compressed air, and an electrical valve unit (at the mainframe side) controls the air flow timing.

No additional notes

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□ We will explain the functions of these components on the next few slides.











□ This section describes the most important changes to the replacement and adjustment procedures in the fusing unit.

# Cverview Susing cleaning unit replacement is simplified. Procedures for parts related to oil supply are removed (there is no oil supply in the fusing unit for this machine). Procedures are added for some parts, such as cleaning web. The air separator unit is heavy, and two technicians should be there if this must be removed from the machine. Small modifications to most of the replacement sourcedures. Refer to the manual for the Aries-C1.5/P1.5 when you work on this machine.













 $\square$  The distance of the strippers from the belt should be 0.2 +/- 0.1 mm.









 $\hfill\square$  This section describes the changes to the paper exit mechanism.



