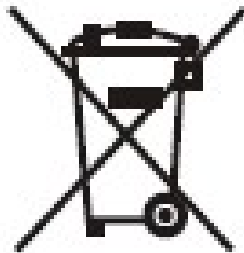


**Waste Electrical and Electronic Equipment
Directive (WEEE)
Compliance Assessment Report**



Introduction

Manufacturer: AVISION INC.

Address: No. 20, Creation Rd. 1 Science
Park, Hsinchu, Taiwan 300, R.O.C

Equipment: Printer

Type Designation: AP43 Plus

Report Date: 2025/7/29

Description

The product as described in this report was found to based the requirements of recast WEEE directive (2012/19/EC) Article 11-Recovery and Article 15-Information treatment facilities to disclose Recycle, Reuse and Recovery rate and its disassembly information.

This report are including below contents:

- (1) Product information
- (2) Product disassembly method
- (3) Recycle, Reuse and Recovery rate evaluation

Assessment Result:

Reuse and recycling	
Rate =	96.03%
Recovery Rate =	99.88%

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1. Product Information:

	
Dimension(W×D×H): 402×380×258 mm Weight : 8.7kg	Accessories: USB Cable Power Cord

2. WEEE Category

The products falling under categories 6 of WEEE directive Annex III,

- the rate of recovery shall be increased to a minimum of 75 by an average weight per appliance, and
- component, material and substance reuse and recycling shall be increased to a minimum of 55 by an average weight per appliance;

3. Dismantling Process

Print engine Ass'y

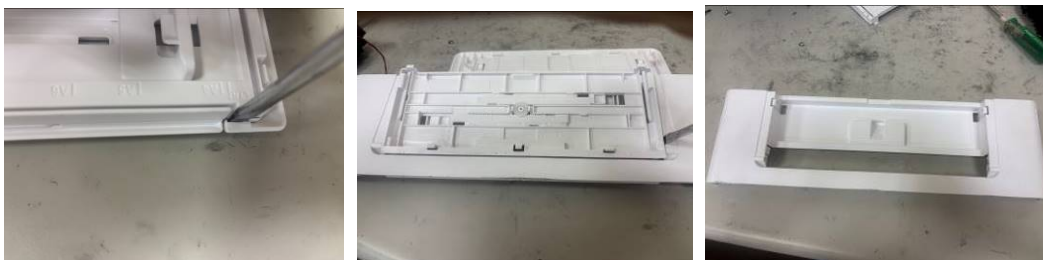
Step 1: Take out the Cassette.



Step 2: Open the Front Cover and unloosen the tenon to remove Front Cover Ass'y.



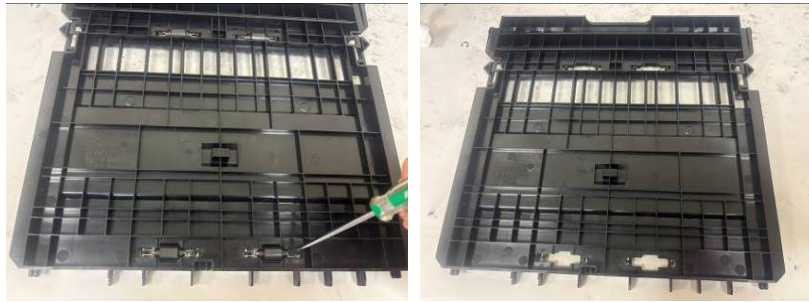
Step 3: Unloosen the tenon to take out Front Cover(051-8528-0)



Step 4: Take out Duplex Module Ass'y.



Step 5: Unloosen the tenon to take out Roller and Duplex Tray(051-A208-0)



Step 6: Turn the scanner over and Pry out the Rubber Stands with a flat screw driver.



Step 7: Unloosen the tenon to take out Cover Left(051-B086-0)



Step 8: Unloosen the tenon to separate Bottom Cover REAR CAP and Cover Right(051-B085-0).



Step 9: Use the screwdriver to take out Button and FFC Cable.



Step 10: Unloosen the tenon/ disconnect the cables to take out Cover Panel and PCBA(UIA282/ 004-3633-9)

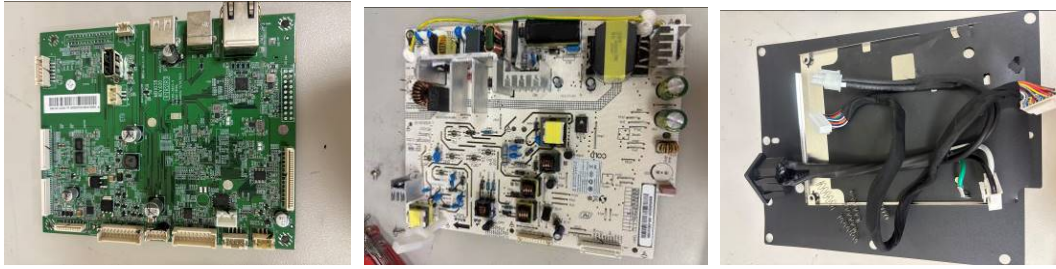


Step 11: Use the screwdriver to take out Upper ID Housing(051-9754-0).



Step 12: Use the screwdriver/ disconnect the cables, and cut the ties to take out PCBA(MBA1038/004-3823-9, Power Supply Board/ 005-3153-09).





Step 13: Use the screwdriver, disconnect the cables to take out Shell and Ground Wire.



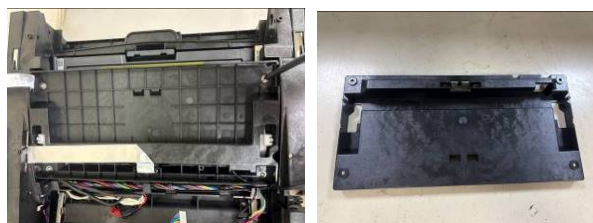
Step 14: Open the Front Cover and unloosen the tenon to remove Rear Path Ass'y.



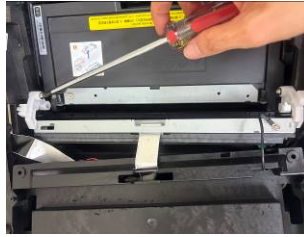
Step 15: Unloosen the tenon/use the screwdriver to take out Fan and Case Rear Path(051-B312-0).



Step 16: Use the screwdriver to remove LPH Case(051-7881-0).



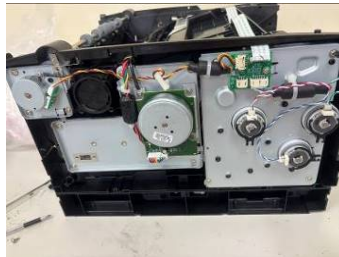
Step 17: Use the screwdriver to remove the LPH.



Step 18: Take out the Drum & Toner.



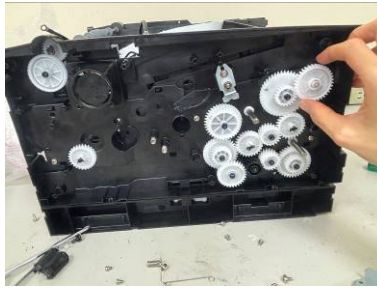
Step 19: Use the screwdriver, disconnect the cables, and cut the ties to take out Motors/Mounts/PCBA(IFA99/004-2786-9).



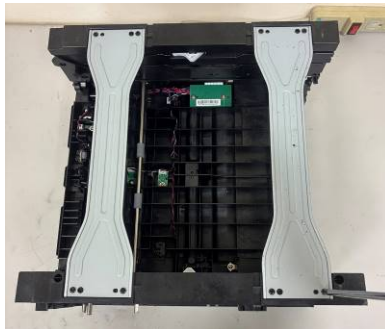
Step 20: Pry out the Clutch with a flat screw driver.



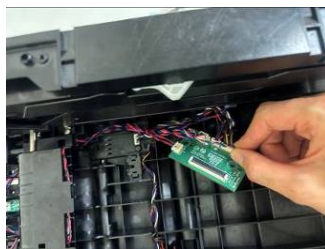
Step 21: Take out the Gears.



Step 22: Use the screwdriver to take out Beam Bases.



Step 23: Use the screwdriver/ disconnect the cables to take out PCBA(IFA133/004-3315-9)



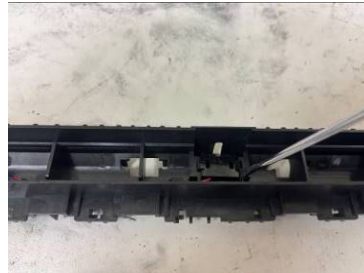
Step 24: Use the screwdriver to remove Heat Cover.



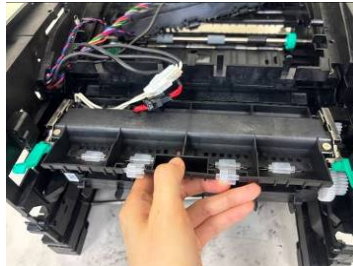
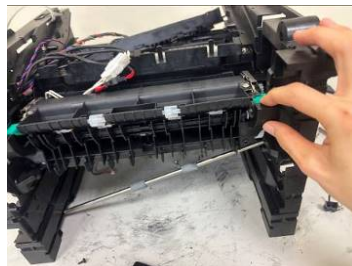
Step 25: Use the screwdriver to remove Exit path



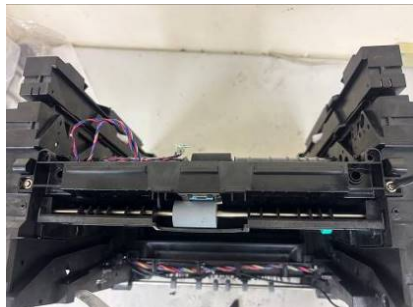
Step 26: Unloosen the tenon to take out Rollers, Sensor and Guide.



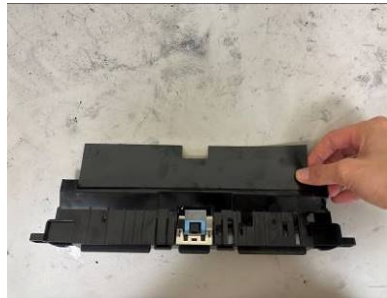
Step 27: Take out the Fuser.



Step 28: Use the screwdriver to remove Manual path



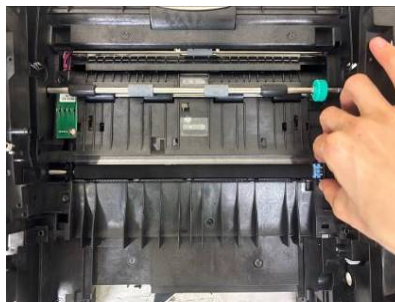
Step 29: Take out the Mylar.



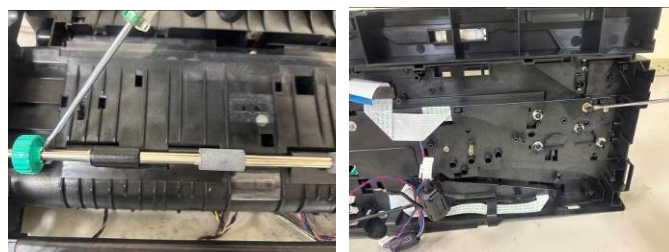
Step 30: Unloosen the tenon to take out the Guide.



Step 31: Take out the Roller.



Step 32: Take out the Roller.



Step 33: Unloosen the tenon to take out Duplex Guide(051-B369-0)



Step 34: Use the screwdriver to remove Frame (051-9956-0/051-9958-0)



Step 35: Unloosen the tenon to remove the Roller.



Step 36: Use the screwdriver to remove PCBA and Middle Frame(051-A665-0).



Fuser

Step 1: Use the screwdriver/unloosen the tenon to take out Case(051-B490-0)



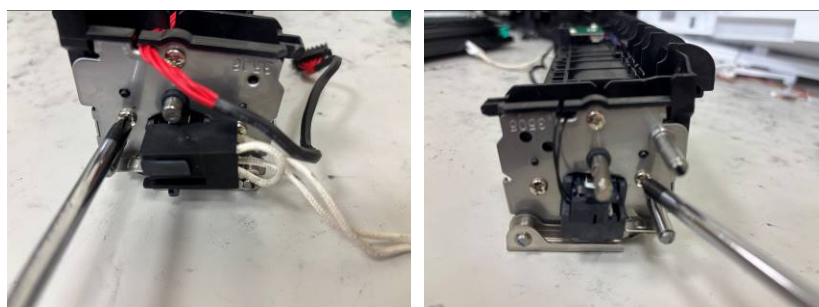
Step 2: Unloosen the tenon to remove Gear.



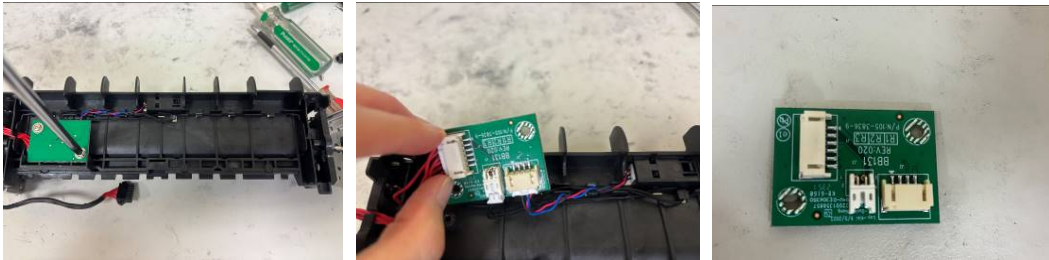
Step 3: Unloosen the tenon to remove ARM and Link Plate



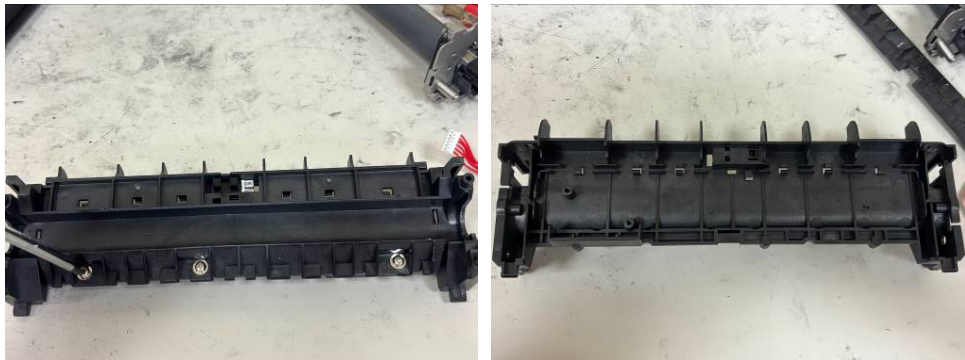
Step 4: Use the screwdriver to take out Plate.



Step 5: Use the screwdriver/ disconnect the cables to take out PCBA(BBA131/004-3836-9)



Step 6: Use the screwdriver to take out Guide and Case(051-B476-0)



Cassette

Step 1: Unloosen the tenon/ use a screwdriver to take out Case Cassette and Cover Cassette(051-B356-0)



Step 2: Use a screwdriver to take out Extended Tray(051-B362-0)



Step 3: Unloosen the tenon to take out Plate



Step 4: Take out Gear and Guide Paper R/L.



Step 5: Take out a Spring.



Step 6: Unloosen the tenon to take out Holder and Cassette Tray(051-B943-0)

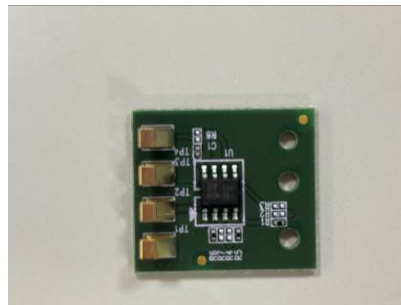
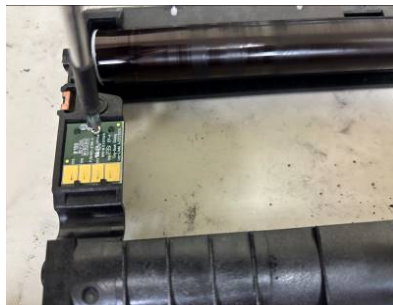


Drum & Toner

Step 1: Take out toner.



Step 2: Use a screwdriver to take out PCBA



Step 3: Take out Holder



Step 4: Pry out the Spring and Metal Sheet to take out EP Case(051-A207-0)



Step 5: Use a screwdriver to take out Blade



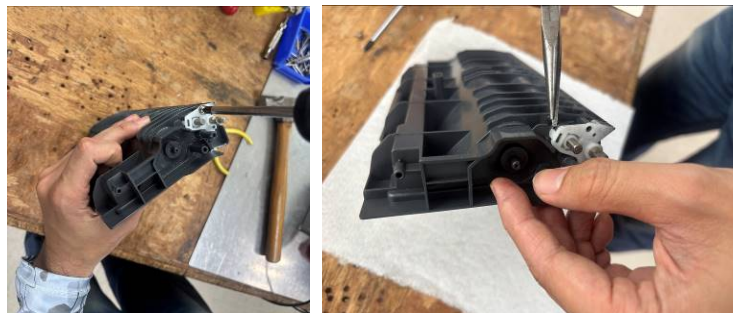
Step 6: Remove the Spring



Step 7: Take out the Gears

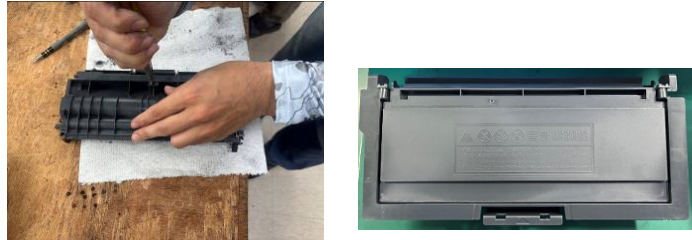


Step 8: Use a screwdriver/ unloosen the tenon to take out Roller





Step 9: Remove the Light Bar and take out the toner(051-B270-0)



4. Disassembly Tool

(1)



Screwdriver

(2)



Screwdriver

(3)



Pliers

5. Part List

No.	Name	Material	Qty.	Weight (g)	Characteristic
1	STOPPER,OUTPUT TRAY	PC	1	2.20	Recycle
2	LIGHT BAR,LED	PC	1	0.19	Recycle
3	ROLLER,IDLE PULLEY	POM	4	7.60	Recycle
4	IDLE PULLEY	POM	1	0.45	Recycle
5	SPACER	POM	1	0.58	Recycle
6	BUSH,OPC	POM	1	4.20	Recycle
7	HOLDER,SPONGE	POM	1	0.65	Recycle
8	SHAFT,AGITATOR,PRINTER	HIPS	1	9.10	Recycle
9	HOUSING, UPPER,ID COVER	PC+ABS	1	68.00	Recycle
10	BUSH,CONTACT TRANSFER ROLLER	PA	1	0.93	Recycle
11	BUSH,TRANSFER ROLLER	POM	1	0.98	Recycle
12	HOLDER,IDLE	POM	1	3.50	Recycle
13	ROLLER,IDLE DUPLEX	POM	10	11.00	Recycle
14	ROLLER,IDLE MANUAL	POM	1	1.75	Recycle
15	ROLLER,SEPARATION CLAW	POM	4	0.16	Recycle
16	CASE,LPH	ABS	1	125.20	Recycle
17	FIXER,LPH,HOLDER BOARD SIDE	POM	1	3.10	Recycle
18	FIXER,LPH,HOLDER GEAR SIDE	POM	1	2.85	Recycle
19	BUSH,ROLLER	POM+20%PTFE	15	4.20	Recycle
20	BUSH,FUSEROUT ROLLER	POM	1	0.14	Recycle
21	FIXER,FRANGE	POM	1	1.30	Recycle
22	CASE,RELEASE WHEEL	ABS	1	1.40	Recycle
23	FIXER,SLIDER	POM	1	0.20	Recycle
24	COVER,REAR PATH FAN	PC+ABS	1	14.28	Recycle
25	COVER,FRONT,PRINTER ENGINE	ABS	1	130.00	Recycle
26	TRAY,MPT	ABS	1	66.00	Recycle
27	TRAY, EXTEND,MPT 1ST	ABS	1	43.00	Recycle
28	TRAY, EXTEND,MPT 2ND	ABS	1	35.40	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
29	TRAY, EXTEND,MPT 3RD	ABS	1	14.40	Recycle
30	HOOK,CASSETTE	POM	2	3.40	Recycle
31	TRAY, EXTEND,OUT PUT STOP	ABS	1	23.00	Recycle
32	LIGHT BAR,LED	PC	3	0.30	Recycle
33	BUTTON,UP	ABS	1	0.70	Recycle
34	BUTTON,SFP POWER	ABS	1	1.07	Recycle
35	BUTTON,DOWN	ABS	1	0.70	Recycle
36	HOUSING, UPPER,ID	ABS	1	314.00	Recycle
37	COVER,TONER CARTRIDGE SEALING	HIPS	1	38.20	Recycle
38	FIXER,THERMOSTATE	LCP+30%GF	1	3.00	Recycle
39	ARM,RELEASE,LEFT	PC+ABS	1	2.90	Recycle
40	ARM, SENSOR,FUSER OUT	POM+Teflon	1	0.55	Recycle
41	ARM,RELEASE,RIGHT	PC+ABS	1	2.90	Recycle
42	FRAME,PCB SIDE	PC+20%GF	1	320.00	Recycle
43	FRAME,GEAR SIDE	PC+20%GF	1	330.50	Recycle
44	CAP,TONER	PE	1	0.65	Recycle
45	CASE,CERAMIC HEATER PLUG	PA66+25%GF	1	4.00	Recycle
46	BEARING,PRESSURE ROLLER SUPPORT	PPS+25%MN+15%CF+10%PTFE	2	0.32	Recycle
47	CASE,EP SEPARATION	PC+20%GF	1	130.00	Recycle
48	TRAY,DUPLEX	ABS	1	225.00	Recycle
49	HOLDER,CHARGER SEPARATION	PC+20%GF	1	38.20	Recycle
50	GUIDE,PATH FUSER OUT	PC+20%GF	1	56.20	Recycle
51	ROLLER,CORE,FUSER OUT PATH	PC+20%GF	1	6.70	Recycle
52	CAP,TONER,PRINTER	HIPS	1	0.60	Recycle
53	COVER,REAR CAP,	ABS	1	18.00	Recycle
54	FRAME,MIDDLE,PRINTER	ABS+20%GF	1	565.00	Recycle
55	CASE,CERAMIC,PRINTER	LCP+30%GF	1	23.10	Recycle
56	ROLLER,IDLE FUSEROUT,PRINTER	PFA	4	6.00	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
57	GUIDE,FUSER IN PATH,PRINTER	PBT+35%GF	1	17.00	Recycle
58	COVER,PANEL,PRINTER	PC+ABS	1	15.40	Recycle
59	BUTTON,LEFT	ABS	1	0.50	Recycle
60	BUTTON,RIGHT	ABS	1	0.50	Recycle
61	BUTTON,CANCEL	ABS	1	1.00	Recycle
62	BUTTON,OK	ABS	1	1.00	Recycle
63	BUSH,DEVELOPING ROLLER,PRINTER	POM	1	1.43	Recycle
64	SUPPORT,TONER SEPARATION,PRINTER	POM	1	3.00	Recycle
65	GUIDE,BELT-L,PRINTER	LCP+30%GF	1	5.30	Recycle
66	GUIDE,BELT-R,PRINTER	LCP+30%GF	1	5.00	Recycle
67	GUIDE,PAPER R CASSETTE	ABS	1	21.20	Recycle
68	GUIDE,PAPER L CASSETTE	ABS	1	23.00	Recycle
69	GUIDE,TAIL CASSETTE,PRINTER	ABS	1	9.00	Recycle
70	GUIDE,LIFTUP PLATE R,PRINTER	POM	1	8.90	Recycle
71	GUIDE,LIFTUP PLATE L,PRINTER	POM	1	8.80	Recycle
72	LATCH,LIFTUP CASSETTE	POM	1	4.60	Recycle
73	LATCH,GUIDE R CASSETTE	ABS	1	3.90	Recycle
74	LATCH,GUIDE TAIL CASSETTE,PRINTER	ABS	1	2.60	Recycle
75	HOLDER,PAD,PRINTER	POM	1	5.58	Recycle
76	FRAME,HV SIDE,PRINTER	PC+20%GF	1	100.00	Recycle
77	FRAME,GEAR SIDE,PRINTER	PC+20%GF	1	99.40	Recycle
78	RIGHT,PRINTER	PC+ABS	1	355.00	Recycle
79	COVER,SFP LEFT,PRINTER	ABS	1	320.00	Recycle
80	COVER,MPT TRAY,PRINTER	ABS	1	68.00	Recycle
81	CASE,TONER CARTRIDGE SEALING	HIPS	1	120.00	Recycle
82	CASE,REAR PATH W/FAN,PRINTER	PC+ABS	1	154.00	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
83	CASE,CASSETTE PATH	ABS	1	91.00	Recycle
84	COVER,CASSETTE,PRINTER	ABS	1	127.50	Recycle
85	TRAY, EXTEND,CASSETTE,PRINTER	ABS	1	178.30	Recycle
86	GUIDE,DUPLEX PATH,PRINTER	PC+ABS	1	100.30	Recycle
87	CASE,CERAMIC FUSER,PRINTER	PBT+35%GF	1	107.50	Recycle
88	CASE,UPPER,PRINTER	PBT+35%GF	1	101.60	Recycle
89	GUIDE,PATH EXIT,PRINTER	PC+20%GF	1	50.20	Recycle
90	COVER,HEAT,PRINTER	ABS	1	53.00	Recycle
91	TRAY,CASSETTE,PRINTER	ABS	1	259.00	Recycle
92	GUIDE,MANUAL PATH,PRINTER	PC+ABS	1	99.00	Recycle
93	HOLDER,PAPER IN SENSOR,PRINTER	ABS	1	1.40	Recycle
94	GUIDE,MPT PAPER L,PRINTER	ABS	1	7.30	Recycle
95	GUIDE,MPT PAPER R	ABS	1	7.30	Recycle
96	HOLDER,PAD MANUAL,PRINTER	ABS	1	1.10	Recycle
97	GEAR	POM	33	136.22	Recycle
98	MAIN MOTOR MOUNT	Metal	1	250.00	Recycle
99	MOUNT,IDLE PULLEY	SECC	1	8.58	Recycle
100	SHEET, METAL,GRID MESH CHARGER	SUS301	1	9.63	Recycle
101	SPRING,PAD MANUAL	SUS301	1	1.06	Recycle
102	HOLDER,LPH,CHARGER	SECC	1	41.96	Recycle
103	SHEET, METAL,EP SEPARATION	Metal	1	0.36	Recycle
104	SHELL,ROLLER GROUND	Metal	1	10.27	Recycle
105	SHELL,GROUND EXIT	SUS304	1	1.09	Recycle
106	PLATE,GROUND EXIT ROLLER	SUS301	3	0.90	Recycle
107	MOUNT,EXIT MOTOR	SECC	1	18.70	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
108	SHELL,GND OPC	Metal	1	0.77	Recycle
109	BASE,BEAM	SECC	2	223.80	Recycle
110	PLATE,GEAR MOUNT	SECC	1	142.19	Recycle
111	HOLDER,CERAMIC	AL	1	3.57	Recycle
112	CLAMP,CERAMIC	SUS301	1	0.14	Recycle
113	PLATE,THERMISTOR	SUS301	1	0.80	Recycle
114	PLATE, LINK,RIGHT	SUS304	1	6.17	Recycle
115	PLATE, LINK,LEFT	SUS304	1	6.19	Recycle
116	CONTACT,CERAMIC HEATER	C5191	2	1.80	Recycle
117	CONTACT,THERMOSTAT R	C5191	1	0.50	Recycle
118	CONTACT,THERMOSTAT L	C5191	1	0.57	Recycle
119	SPRING,GND 2	SUS301	1	0.26	Recycle
120	MOUNT,TONER BLADE,EXTEND,PRINTER	SECC	1	63.26	Recycle
121	BRACKET,CERAMIC,PRINTER	SECC	1	94.90	Recycle
122	PLATE, MAIN,RIGHT SIDE,PRINTER	SUS304	1	31.45	Recycle
123	PLATE, MAIN,LEFT SIDE,PRINTER	SUS304	1	24.70	Recycle
124	SHEET, METAL,NEEDLE DISCHARGER,PRINTER	SUS304	1	0.95	Recycle
125	SHEET, METAL,BLADE TONER,PRINTER	SUS304	1	69.00	Recycle
126	PLATE,LIFTUP CASSETTE,PRINTER	SECC	1	274.50	Recycle
127	SHEET, METAL,EMI SHIELDING,PRINTER	SPTE	1	38.66	Recycle
128	SPRING	Metal	60	185.73	Recycle
129	GASKET,SEAL AGITATOR	RUBBER	1	0.12	Energy Recovery
130	GASKET,SEAL ROLLER SUPPLY	SPONGE	2	0.27	Energy Recovery
131	ROLLER,EXIT	RUBBER	1	75.60	Energy Recovery
132	ROLLER,REGISTRATION	Metal	1	75.40	Recycle
133	ROLLER,PICK UP,MAIN FEED	RUBBER	1	23.80	Energy Recovery
134	ROLLER, FEED,PRINTER	Metal	1	68.65	Recycle

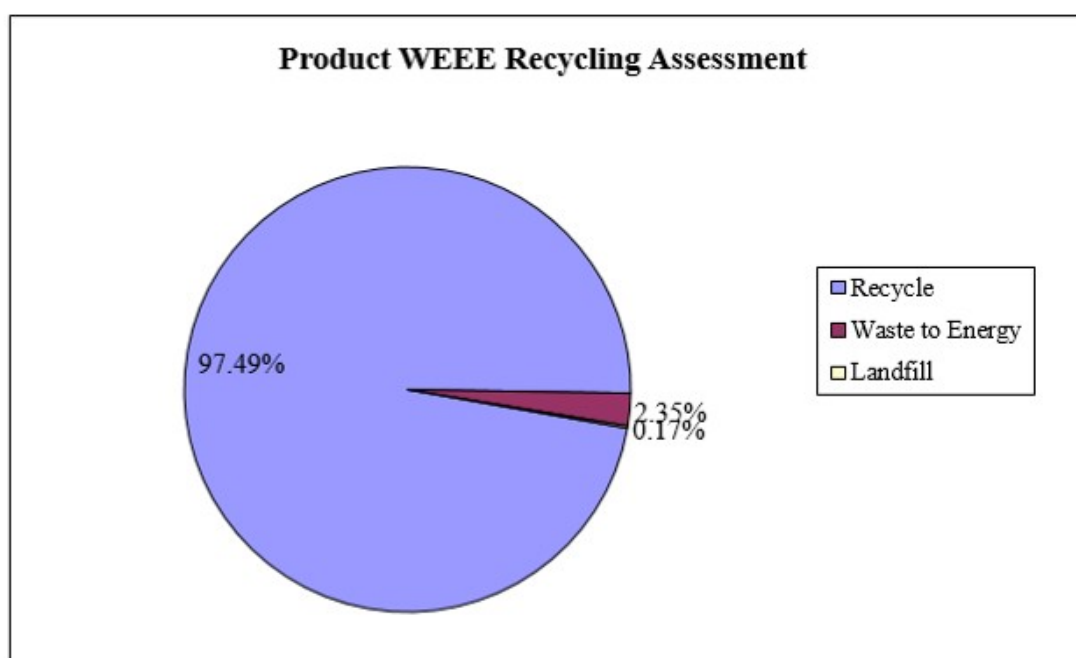
No.	Name	Material	Qty.	Weight (g)	Characteristic
135	PLUG,TONER CARTRIDGE	SILICON	1	0.46	Energy Recovery
136	GASKET,SEAL COVER TONER	RUBBER	1	0.94	Energy Recovery
137	ROLLER,PRESSURE	Metal	1	264.50	Recycle
138	ROLLER,FUSER OUT	SILICON	4	3.60	Energy Recovery
139	ROLLER,TRANSFER	Metal	1	78.73	Recycle
140	ROLLER,DEVELOPING	Metal	1	112.90	Recycle
141	PAD,CASSETTE	SILICONE	1	0.65	Energy Recovery
142	GASKET	SPONGE	1	0.77	Energy Recovery
143	ROLLER,SUPPLY SEPARATION	Metal	1	40.60	Recycle
144	RUBBER STAND	SILICON	4	8.00	Energy Recovery
145	PAD,HOLDER	SILICON	1	0.33	Energy Recovery
146	FAN	Metal	1	29.62	Recycle
147	LED PRINT HEAD	Metal	1	27.50	Recycle
148	MOTOR	Metal	2	299.66	Recycle
149	MYLAR/SHEET	Plastic	20	21.54	Recycle
150	SCREW	Metal	114	68.15	Recycle
151	Cables & Wires	-	26	201.48	Recycle
152	PCBA	PCB Complex	1	1.60	80% Recycle + 20% Energy Recovery
153	PCBA	PCB Complex	1	4.20	80% Recycle + 20% Energy Recovery
154	PCBA	PCB Complex	1	1.40	80% Recycle + 20% Energy Recovery
155	PCBA	PCB Complex	1	7.64	80% Recycle + 20% Energy Recovery
156	PCBA	PCB Complex	1	17.80	80% Recycle + 20% Energy Recovery
157	PCBA	PCB Complex	1	98.40	80% Recycle + 20% Energy Recovery
158	PCBA	PCB Complex	1	5.50	80% Recycle + 20% Energy Recovery
159	PCBA,POWER SUPPLY	PCB Complex	1	315.00	80% Recycle + 20% Energy Recovery
160	Capacitors	-	1	14.50	Landfill

6. 3R Assessment

Item	Main Material	Characteristic	Weight (g)	Percent (%)
1	Metal	Recycle	2578.18	29.55%
2	Plastic	Recycle	5364.12	61.48%
3	Glass	95% Recycle	0.00	0.00%
		5% Landfill	0.00	0.00%
4	CCFL	95% Recycle	0.00	0.00%
		5% Landfill	0.00	0.00%
5	Silicon	Energy Recovery	13.04	0.15%
6	Cables	Recycle	201.48	2.31%
7	Sponge	Energy Recovery	1.04	0.01%
8	Rubber	Energy Recovery	100.46	1.15%
9	PCBA	80% Recycle	361.23	4.14%
		20% Energy Recovery	90.31	1.04%
10	Capacitance over 2.5cm	Landfill	14.50	0.17%
11	LCD	Recycle	0.00	0.00%
Total weight			8724.36 g	100.00%
Recycling Rate (Reuse + Recycle)			8505.01 g	97.49%
Energy Recovery			204.85 g	2.35%
Recovery Rate (Reuse + Recycle + Energy Recovery)			8709.86 g	99.83%

7. WEEE Compliance

Item	Weight (g)	Percentage
Recycle	8505.01	97.49%
Waste to Energy	204.85	2.35%
Landfill	14.50	0.17%



8. WEEE ANNEX VII

—As the following substances, mixtures and components have to be removed from any separately collected WEEE:

No.	Name	Qty.	Weight (g)	Annex VII Materials
1	PCBA	1	4.2	Printed circuit board is greater than 10 square centimeters
2	PCBA	1	7.64	Printed circuit board is greater than 10 square centimeters
3	PCBA	1	17.8	Printed circuit board is greater than 10 square centimeters
4	PCBA	1	98.4	Printed circuit board is greater than 10 square centimeters
5	PCBA	1	5.5	Printed circuit board is greater than 10 square centimeters
8	External Power Cord	2	217.35	External electric cables
9	Capacitors	1	14.5	Electrolyte capacitors with substances of concern

*Materials exhibiting hazardous characteristics or those requiring special handling are those materials defined under Annex VII of the EU WEEE Directive 2012/19/EU and subsequent updates.