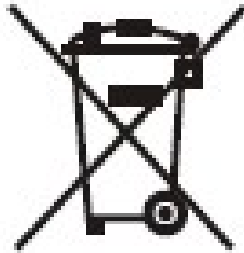


**Waste Electrical and Electronic Equipment
Directive (WEEE)
Compliance Assessment Report**



Introduction

Equipment: Scanner

Type Designation: AD345GN-50

Report Date: 2025/10/28

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 = 96.39%

Recovery Rate = 99.73%

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1. Product



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

Step 1: Use the screwdriver to take out Input Tray Ass'y.



Step 2: Use the screwdriver to take out Output Tray Ass'y.



Step 3: Use the screwdriver to take out Cover Top.



Step 4: Pry out the Rubber Stands with a flat screw driver.



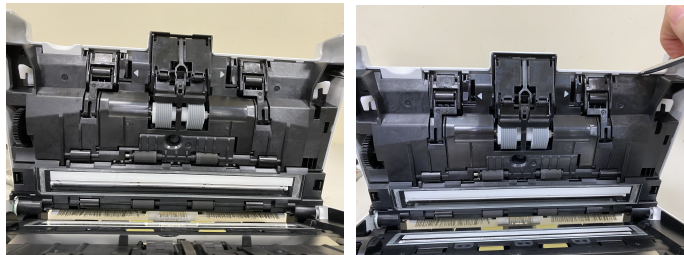
Step 5: Use the screwdriver to remove Cover Rear.



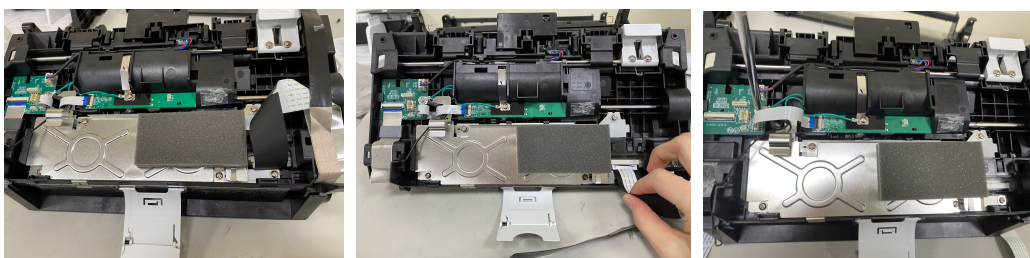
Step 6: Open the Front Cover and unloosen the tenon to remove Cover R/L.



Step 7: Use the screwdriver, unloosen the tenon to separate Upper Cover Ass'y.



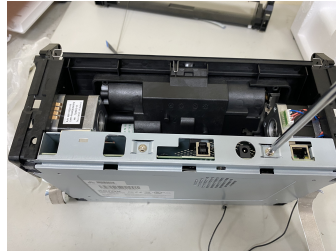
Step 8: Unloosen the tenon, unplug the cables and use the screwdriver to separate Upper Base Ass'y and Bottom Base Ass'y.



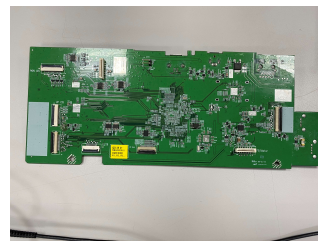
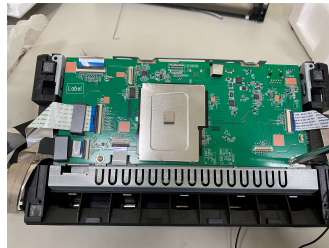


Lower Base Ass'y

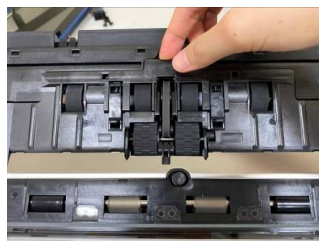
Step 1: Use screwdriver to take out PCBA Cover



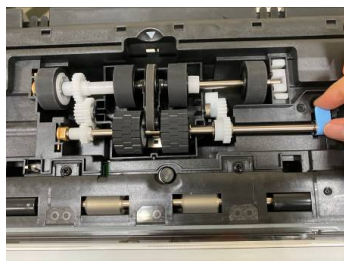
Step 2: Use the screwdriver and Unplug the cable to remove PCBA(MBA966/004-3657-9)



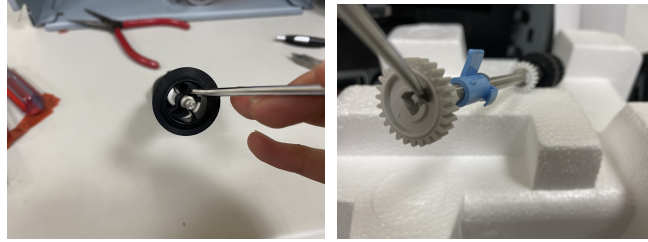
Step 3: Open the Paper Guide, and then unloosen the tenon to take out Paper Guide



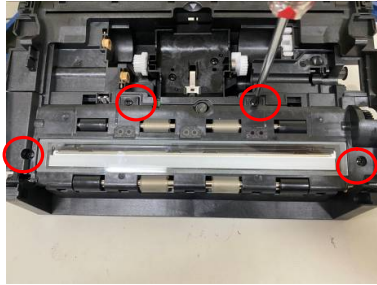
Step 4: Open the blue Clamp to take out Pick up Roller/ADF Roller



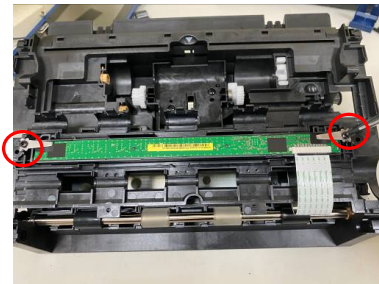
Step 5: Unloosen the tenon to take out Rubber Rollers, Shafts, E-rings and Gears.



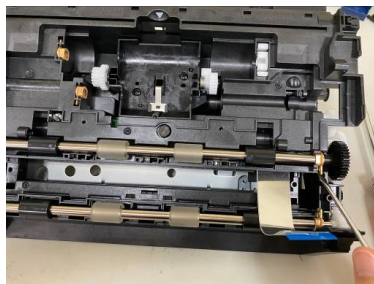
Step 6: Unscrew the joint to remove CIS Module.



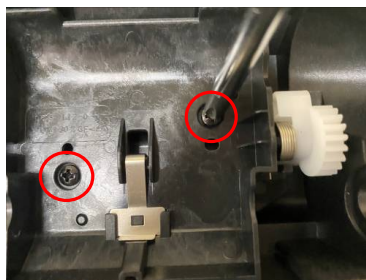
Step 7: Unscrew the joint to remove CIS Module.



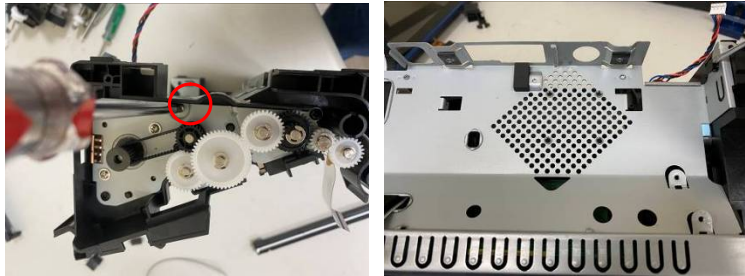
Step 8: Take out the Roller.



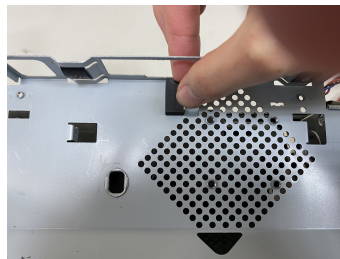
Step 9: Unscrew the joint to remove ADF Pickup Holder.



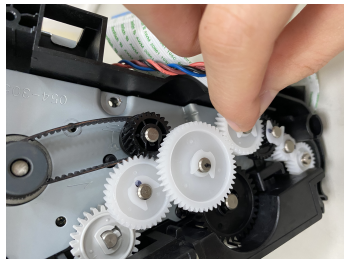
Step 10: Unscrew the joint and insert a flat screw to pry open the Bushing and then take out Mount



Step 11: Take out the PAD



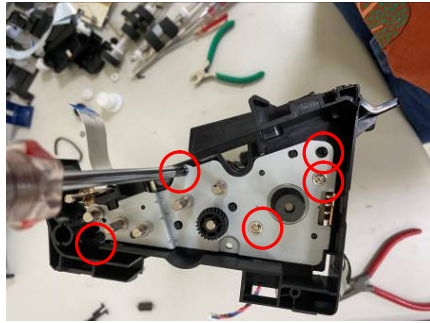
Step 12: Remove E-Ring to loosen gear.



Step 13: Cut the Belt.



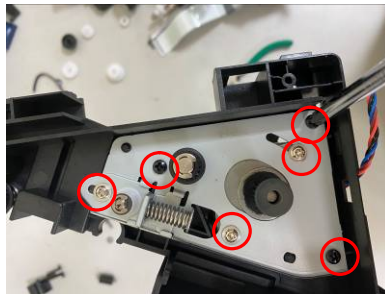
Step 14: Use a screwdriver to take out Motor and Mount.



Step 15: Cut the Belt



Step 16: Use a screwdriver to take out Motor and Mount.



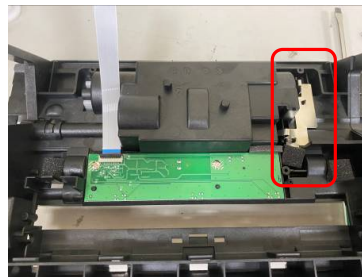
Step 17: Use a screwdriver to take out Support.



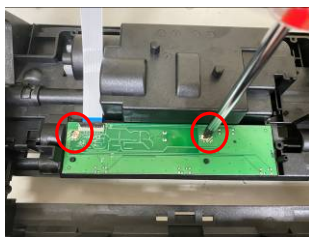
Step 18: Unloosen the tenon to take out Bush.



Step 19: Take out Sponge & Plate.

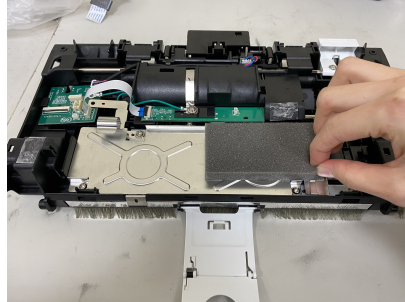


Step 20: Use a screwdriver to take out PCBA(SBA304/004-3467-9) & Lower Case(051-B827-0).

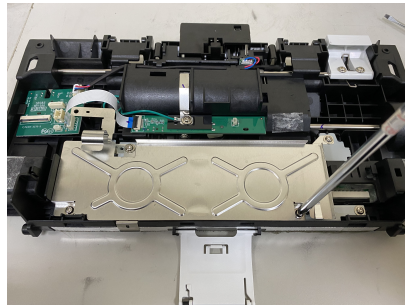


Upper Base Ass'y

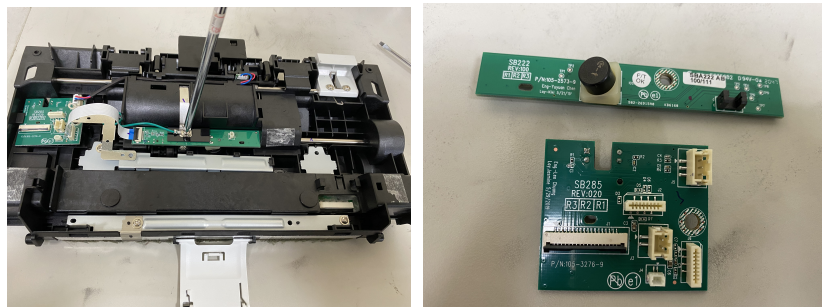
Step 1: Tear off the Sponge.



Step 2: Use the screwdriver to remove CIS Plate.



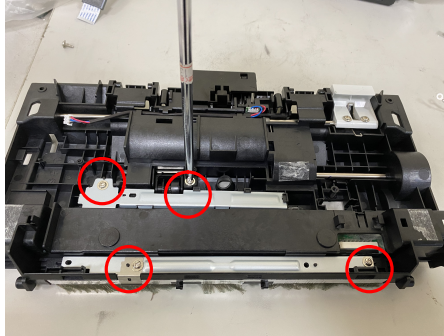
Step 3: Use the screwdriver to remove
PCBA(SBA285/004-3276-9)&(SBA303/004-3466-9)



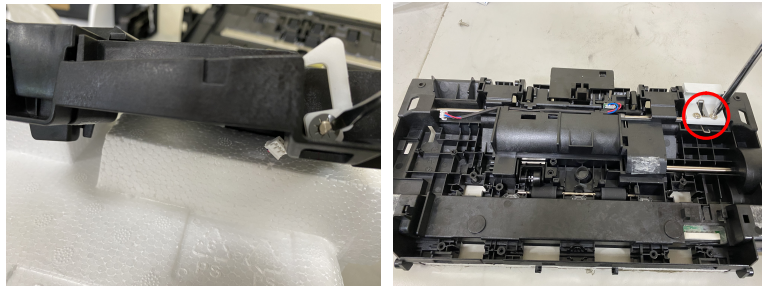
Step 4: Take out Middle Holder Output



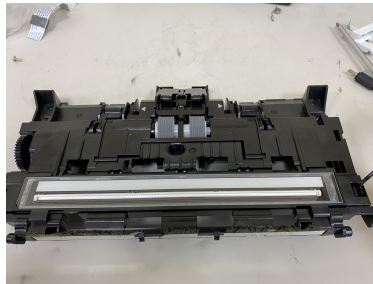
Step 5: Use the screwdriver to remove Plate.



Step 6: Use the screwdriver to remove Shaft, Latch, Hook and Spring.



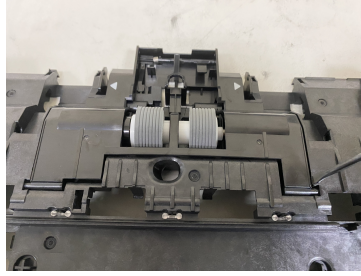
Step 7: Unloosen the tenon to take out CIS Ass'y.



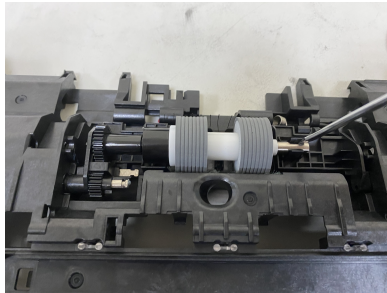
Step 8: Unloosen the tenon to take out Holder.



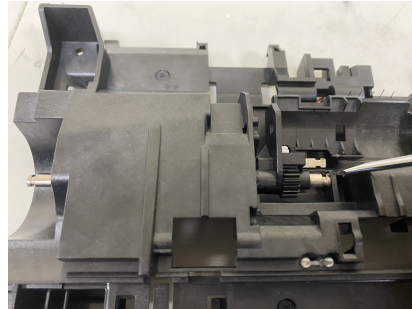
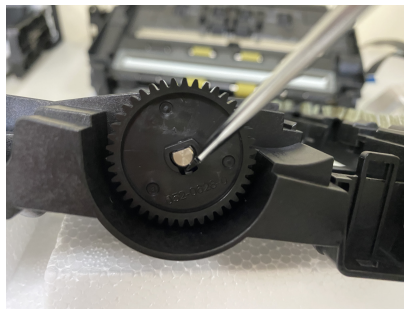
Step 9: Unloosen the tenon to take out Paper Roller Cover.



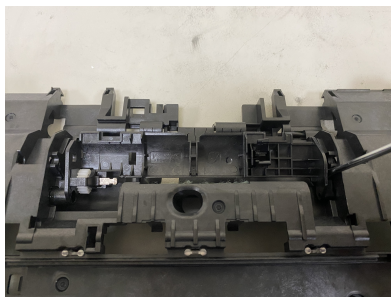
Step 10: Unloosen the tenon to take out Roller.



Step 11: Unloosen the tenon to remove Roller.

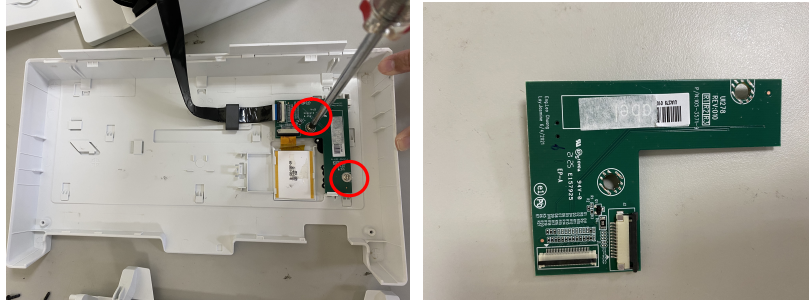


Step 12: Unloosen the tenon to remove Holder and Upper Case(051-B826-0)



Upper Cover Ass'y

Step 1: Use the screwdriver and disconnect the cable to take out PCBA(UIA278/004-3571-9).



Step 2: Take out the Cover Panel to remove Upper Cover(051-A672-0) and LCD Module.



Input Tray Ass'y

Step 1: Tear off the Nameplate



Step 2: loosen the tenon to remove Input Tray Cover(051-9314-0) & Input Tray Case(051-9315-0)

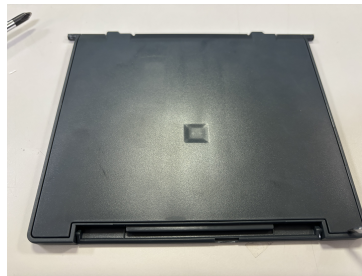


Output Tray Ass'y

Step 1: loosen the tenon to remove Tray Bottom, Output Tray and Output Tray Button



Step 2: loosen the tenon to remove Others.

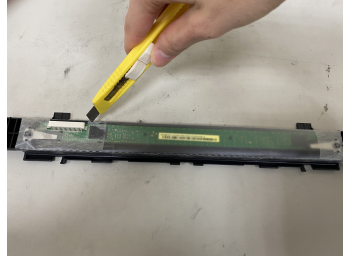


Step 3: Take out Holder.



CIS Module

Step 1: Cut the Tape.



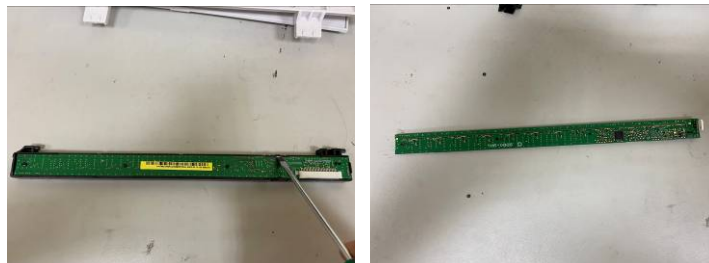
Step 2: Use the screwdriver to remove CIS Holder



Step 3: Take out the Tape.



Step 4: Unloosen the tenon to remove CIS PCBA.



Step 5: Unloosen the tenon to remove CIS Cover & LED.



Power Adapter

Step 1: Pry out Adapter Cover with a flat screwdriver and a hammer.



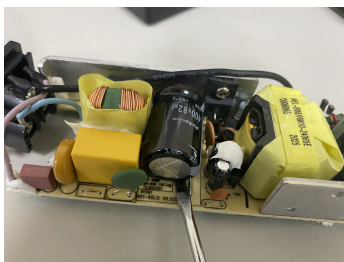
Step 2: Cut the wire.








Step 3: Use a flat screwdriver to pry out PCBA.



Step 4: remove a cap. with flat screwdriver.



4. Disassembly Tool

<p>(1)</p> 	<p>(2)</p> 
<p>Screwdriver</p>	<p>Screwdriver</p>
<p>(3)</p> 	<p>(4)</p> 
<p>Blade</p>	<p>Pliers</p>
<p>(5)</p> 	
<p>Hammer</p>	

5. Part List

No.	Name	Material	Qty.	Weight (g)	Characteristic
1	HOOK,RELEASE	POM	2	2.6	Recycle
2	LOCK,SEPARATION ROLLOER, ADF	POM	1	1.5	Recycle
3	STOPPER,OUTPUT TRAY	PC	1	2.2	Recycle
4	LIGHT BAR,LED	PC	3	0.57	Recycle
5	IDLE PULLEY	POM	1	0.45	Recycle
6	ROLLER,IDLE,INPUT TRAY	POM	4	1.20	Recycle
7	TRAY, OUTPUT	PC+ABS	1	49.00	Recycle
8	ARM, SENSOR	POM	1	0.60	Recycle
9	HINGE,INPUT TRAY,R	ABS	1	2.40	Recycle
10	HOLDER,STOPPER	POM	1	1.9	Recycle
11	SUPPORT,JAM SENSOR	POM+30%GF	1	1.00	Recycle
12	HOLDER,JAM SENSOR	POM+30%GF	1	2.3	Recycle
13	ROLLER,JAM SENSOR	POM	1	1.30	Recycle
14	HOLDER,AUXILIARY ROLLER,L	POM	1	3.80	Recycle
15	HOLDER,AUXILIARY ROLLER,R	POM	1	3.80	Recycle
16	HOLDER,AUXILIARY STAND	POM	2	7.60	Recycle
17	HINGE,INPUT TRAY,L	ABS	1	2.40	Recycle
18	ROLLER,PICKUP,CORE	POM	1	2.5	Recycle
19	SUPPORT,ROLLER SHAFT SLEEVE	POM	1	1.1	Recycle
20	FIXER,LOCK PIN	POM	1	0.7	Recycle
21	SPACER	POM	1	0.2	Recycle
22	ROLLER,ADF CORE	POM	1	2.3	Recycle
23	ARM, SENSOR,JAM	POM	1	1.80	Recycle
24	ROLLER,IDLE,FEEDING	POM	4	8	Recycle
25	TRAY, OUTPUT,STOPPER MIDDLE	POM	1	3.9	Recycle
26	ROLLER, IDLE	POM	4	8.80	Recycle
27	HOLDER,REVERSE ROLLER	PC+20%GF	1	16.60	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
28	ROLLER,CORE,PICKUP	POM	1	2.5	Recycle
29	ROLLER,CORE	POM	4	4	Recycle
30	COVER,PAPER ROLLER BELT	ABS	1	24.10	Recycle
31	HOLDER,PAPER ROLLER	POM	1	7.30	Recycle
32	HOLDER,PAPER PLATE	POM	1	3.80	Recycle
33	ROLLER,IDLE,PAPER	POM	2	0.6	Recycle
34	HOLDER,ONEWAY COUPLING SPACER	POM	1	1.40	Recycle
35	HOLDER,BELT	PC+ABS	1	2.20	Recycle
36	SPACER,GEAR PULLEY	POM	1	0.20	Recycle
37	CASE,SHAFT MOUNT	POM+30%GF	1	22.20	Recycle
38	GUIDE,PAPER LOWER	PC+11%CF	1	43.50	Recycle
39	ROLLER,CORE,PICKUP	POM	1	2.50	Recycle
40	SHAFT,IDLE ROLLER	POM	2	2.60	Recycle
41	ARM, SENSOR,SHAFT	POM	1	1.50	Recycle
42	TRAY, EXTEND,INPUT	ABS	1	44.3	Recycle
43	STOPPER	POM+30%GF	1	5.70	Recycle
44	HOLDER,STOPPER SUPPORT	POM+30%GF	2	2.60	Recycle
45	CASE,UPPER	PC+20%GF	1	265.00	Recycle
46	HOLDER,GLASS LOWER	PC+20%GF	1	69	Recycle
47	HOLDER,GLASS	PC+30%GF	1	37.00	Recycle
48	LOCK,INPUT TRAY	ABS	1	1	Recycle
49	COVER,R	ABS	1	45.00	Recycle
50	CASE,LOWER	PC+20%GF	1	424.70	Recycle
51	COVER,INPUT TRAY	ABS	1	135.00	Recycle
52	COVER,L	ABS	1	44.80	Recycle
53	COVER,UPPER	ABS	1	146.0	Recycle
54	COVER,REAR	ABS	1	68.2	Recycle
55	COVER,TOP	ABS	1	35.00	Recycle
56	COVER,PANEL	ABS	1	90.20	Recycle
57	TRAY, OUTPUT,MIDDLE	ABS	1	59	Recycle
58	TRAY, OUTPUT,MIDDLE BOTTOM	ABS	1	51.80	Recycle
59	TRAY, OUTPUT,END	ABS	1	23.30	Recycle
60	TRAY, OUTPUT,BOTTOM	PC+ABS	1	34.00	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
61	CASE,INPUT TRAY	ABS	1	115.00	Recycle
62	BUTTON,OUTPUT TRAY	ABS	1	5.30	Recycle
63	BUTTON,SCAN	ABS	1	1.00	Recycle
64	BUTTON,CANCEL	ABS	1	1.00	Recycle
65	BUTTON,FUNCTION,UP/DOWN	ABS	2	0.80	Recycle
66	BUTTON,POWER	ABS	1	0.60	Recycle
67	GUIDE,PAPER OUTPUT DOWN	ABS	1	1.8	Recycle
68	GUIDE,PAPER OUTPUT UP	ABS	1	4.30	Recycle
69	GUIDE,HOLDER,L	ABS	1	3.90	Recycle
70	GUIDE,HOLDER,R	ABS	1	3.90	Recycle
71	GUIDE,EXTEND,L	ABS	1	3.73	Recycle
72	GUIDE,EXTEND,R	ABS	1	3.73	Recycle
73	GUIDE	ABS	2	9.60	Recycle
74	LATCH,RELEASE HOOK	ABS	1	5.40	Recycle
75	MYLAR	Plastic	20	5.1	Recycle
76	PLATE,ADF GROUNDING	SUS301	1	1.03	Recycle
77	PLATE,ROLLER GROUNDING	SUS301	1	0.73	Recycle
78	PLATE,ULTRASONIC	SPTE	1	3.48	Recycle
79	PLATE,BRUSH GROUNDING,R	SUS301	1	1.17	Recycle
80	MOUNT,SCAN IDLE	SECC	1	14.02	Recycle
81	PLATE,GROUND IDLE	SPTE	1	0.83	Recycle
82	MOUNT,IDLE PULLEY	SECC	1	8.57	Recycle
83	PLATE,BRUSH GROUNDING,L	SUS301	1	1.00	Recycle
84	PLATE,PAPER GUIDE GROUNDING	SUS301	1	14.4	Recycle
85	MOUNT,SCAN MOTOR	SECC	1	39.4	Recycle
86	PLATE,IDLE ROLLER	SECC	1	22.5	Recycle
87	PLATE,IDLE ROLLER	SECC	2	5.2	Recycle
88	SUPPORT,MAIN FRAME COVER	SECC	1	256.5	Recycle
89	SHEET, METAL,SPRING	SUS301	1	0.22	Recycle
90	MOUNT,ADF MOTOR	SECC	1	63.75	Recycle
91	PLATE,REVERSE GROUNDING	SUS301	1	0.47	Recycle
92	CLAMP,CIS,FIXE	SUS301	4	1.6	Recycle
93	SUPPORT,MAIN FRAME	SECC	1	230	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
94	Rubber Stand	SILICON	4	2.16	Energy Recovery
95	PAD,FEEDING MOTOR	SPONGE	1	5.84	Energy Recovery
96	Glass Lower	Glass	1	15.65	Recycle
97	Glass Upper	Glass	1	12.90	Recycle
98	Motor	Metal	2	662	Recycle
99	Gears	POM	19	35.00	Recycle
100	SPONGE	SPONGE	8	21.20	Recycle
101	Spring	Metal	13	8.10	Recycle
102	Shaft	Metal	12	407.96	Recycle
103	Rubber Roller, IDLE	RUBBER	4	10.56	Energy Recovery
104	ROLLER, IDLE,DOUBLE FOAM	RUBBER	2	30.80	Energy Recovery
105	ROLLER FEEDING TUBE	RUBBER	2	15.00	Energy Recovery
106	ROLLER, IDLE,PICKUP	RUBBER	4	14.00	Energy Recovery
107	SCREW	Metal	51	31	Recycle
108	Cables & Wires	Cables	13	299	Recycle
109	CIS Holder	PC+ABS	2	43	Recycle
110	LED	Plastic	2	6.8	Recycle
111	PCBA,CIS	PCB Complex	2	22	Recycle
112	LCD	LCD	1	5	Recycle
113	Adapter Top Cover	PC	1	25.50	Recycle
114	Adapter Bottom Cover	PC	1	25.50	Recycle
115	CAPACITANCE	-	1	10.00	Landfill
116	PCBA, Adapter	PCB Complex	1	113.00	80% Recycle+20% Energy Recovery
117	Cable, Adapter	-	1	56.00	Recycle
118	PCBA	PCB Complex	1	7.4	80% Recycle+20% Energy Recovery
119	PCBA	PCB Complex	1	21.2	80% Recycle+20% Energy Recovery
120	PCBA	PCB Complex	1	147.6	80% Recycle+20% Energy Recovery

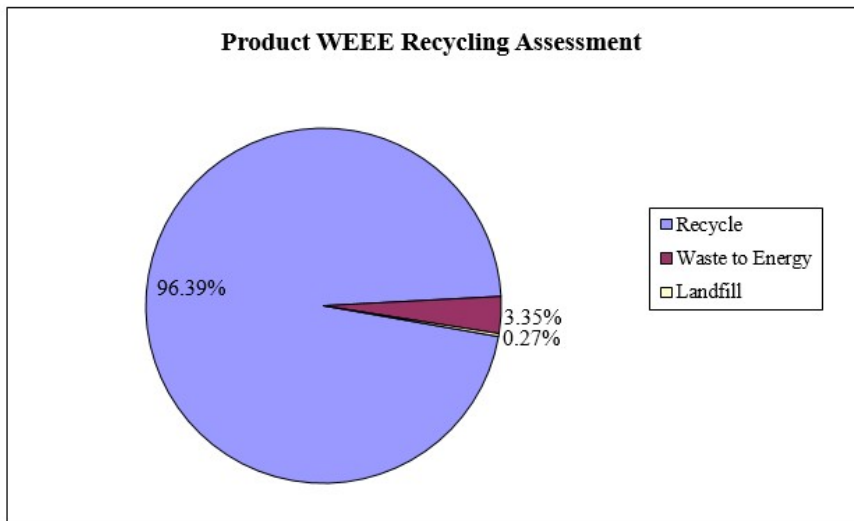
No.	Name	Material	Qty.	Weight (g)	Characteristic
121	PCBA	PCB Complex	1	4.69	80% Recycle+20% Energy Recovery
122	PCBA	PCB Complex	1	13.3	80% Recycle+20% Energy Recovery

6. 3R Assessment

Item	Main Material	Characteristic	Weight (g)	Percent (%)
1	Metal	Recycle	1773.93	41.57%
2	Plastic	Recycle	2098.38	49.17%
3	Glass	95% Recycle	27.12	0.64%
		5% Landfill	1.43	0.03%
4	CCFL	95% Recycle	0.00	0.00%
		5% Landfill	0.00	0.00%
5	Silicon	Energy Recovery	2.16	0.05%
6	Cables	Recycle	36.20	0.85%
7	Sponge	Energy Recovery	27.04	0.63%
8	Rubber	Energy Recovery	70.36	1.65%
9	PCBA	80% Recycle	172.95	4.05%
		20% Energy Recovery	43.24	1.01%
10	Capacitance over 2.5cm	Landfill	10.00	0.23%
11	LCD	Recycle	5.00	0.12%
Total weight			4267.81 g	100.00%
Recycling Rate (Reuse + Recycle)			4113.58 g	96.39%
Energy Recovery			142.80 g	3.35%
Recovery Rate (Reuse + Recycle + Energy Recovery)			4256.38 g	99.73%

7. WEEE Compliance

Item	Weight (g)	Percentage
Recycle	4113.58	96.39%
Waste to Energy	142.80	3.35%
Landfill	11.43	0.27%



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	CIS PCBA	2	22	Printed circuit board is greater than 10 square centimeters
2	PCBA, Adapter	1	113	Printed circuit board is greater than 10 square centimeters
3	PCBA	1	7.4	Printed circuit board is greater than 10 square centimeters
4	PCBA	1	21.2	Printed circuit board is greater than 10 square centimeters
5	PCBA	1	147.6	Printed circuit board is greater than 10 square centimeters
6	PCBA	1	4.69	Printed circuit board is greater than 10 square centimeters
7	PCBA	1	13.3	Printed circuit board is greater than 10 square centimeters
8	External Power Cord	3	318.8	External electric cables
9	Cap.	1	10	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.