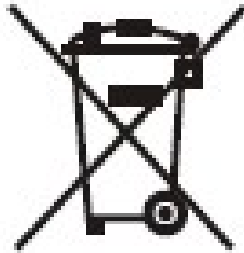


**Waste Electrical and Electronic Equipment
Directive (WEEE)
Compliance Assessment Report**



Introduction

Equipment:	Scanner
Type Designation:	AD345GN-AEG
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%

INDEX

1.	Product	3
2.	WEEE Category	3
3.	Dismantling Process	4
	Lower Base Ass'y	7
	Upper Base Ass'y	12
	Upper Cover Ass'y	15
	Input Tray Ass'y	16
	Output Tray Ass'y	17
	CIS Module.....	18
	Power Adapter	20
4.	Disassembly Tool	21
5.	Part List	22
6.	3R Assessment.....	27
7.	WEEE Compliance	28
8.	WEEE ANNEX VII	29

1. Product



2. WEEE Category

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

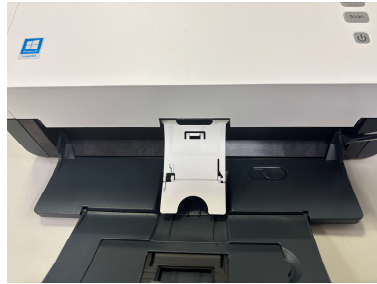
- the rate of recovery shall be increased to a minimum of 75 by an average weight per appliance, and
- component, material and substance reuse and recycling shall be increased to a minimum of 55 by an average weight per appliance;

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.



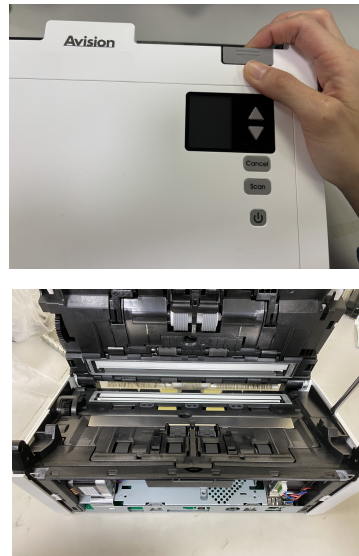
Step 4: Pry out the Rubber Stands with a flat screw driver.



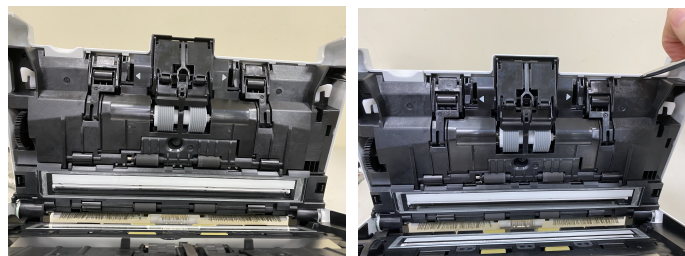
Step 5: Use the screwdriver to remove Cover Rear.



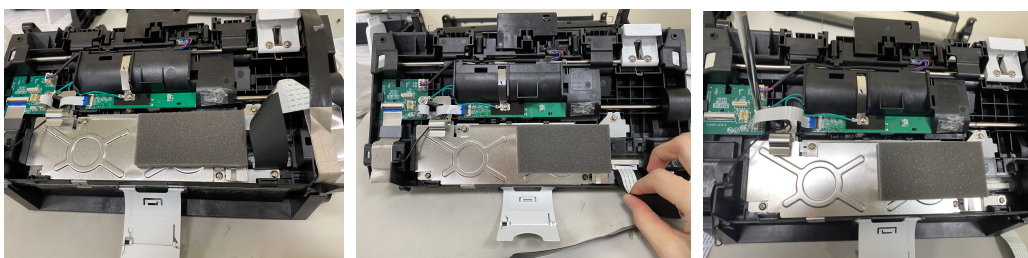
Step 6: Open the Front Cover and unloosen the tenon to remove Cover R/L.



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



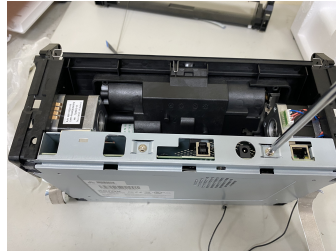
Step 8: Unloosen the tenon, unplug the cables and use the screwdriver to separate Upper Base Ass'y and Bottom Base Ass'y.



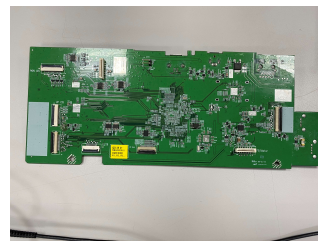
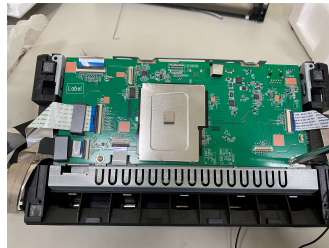


Lower Base Ass'y

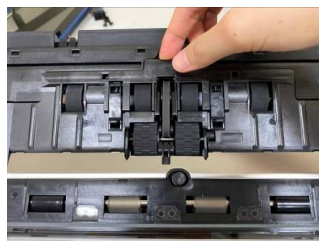
Step 1: Use screwdriver to take out PCBA Cover



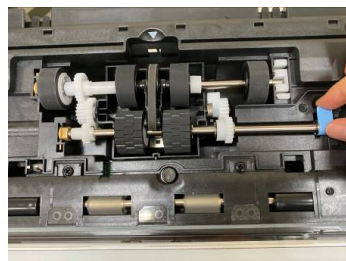
Step 2: Use the screwdriver and Unplug the cable to remove PCBA(MBA966/004-3657-9)



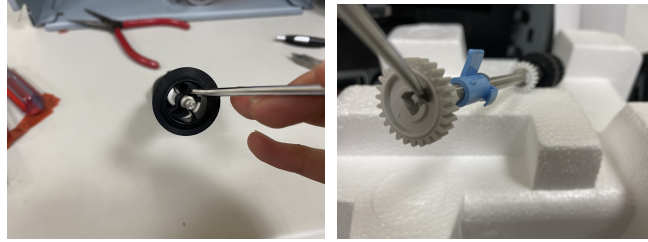
Step 3: Open the Paper Guide, and then unloosen the tenon to take out Paper Guide



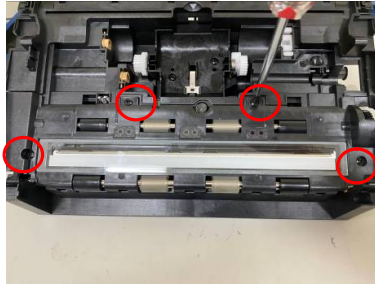
Step 4: Open the blue Clamp to take out Pick up Roller/ADF Roller



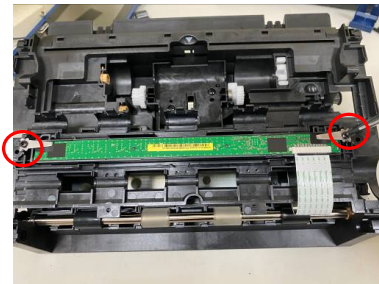
Step 5: Unloosen the tenon to take out Rubber Rollers, Shafts, E-rings and Gears.



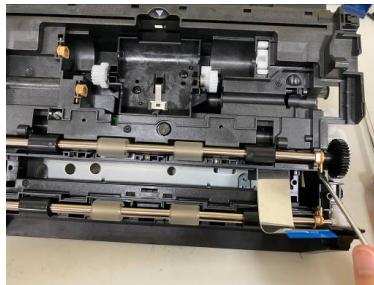
Step 6: Unscrew the joint to remove CIS Module.



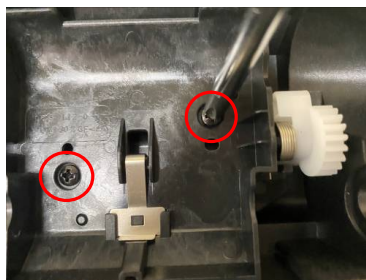
Step 7: Unscrew the joint to remove CIS Module.



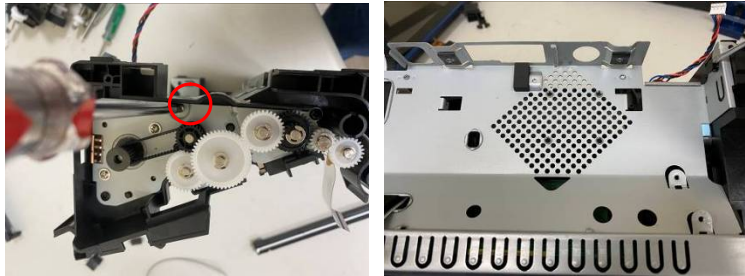
Step 8: Take out the Roller.



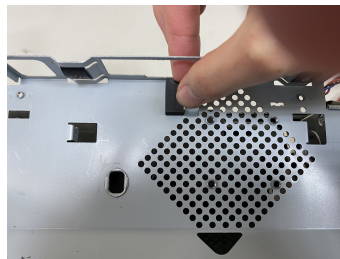
Step 9: Unscrew the joint to remove ADF Pickup Holder.



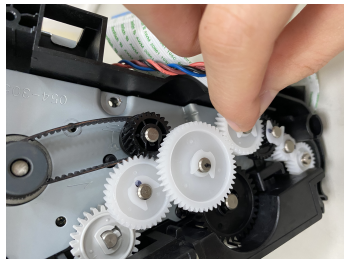
Step 10: Unscrew the joint and insert a flat screw to pry open the Bushing and then take out Mount



Step 11: Take out the PAD



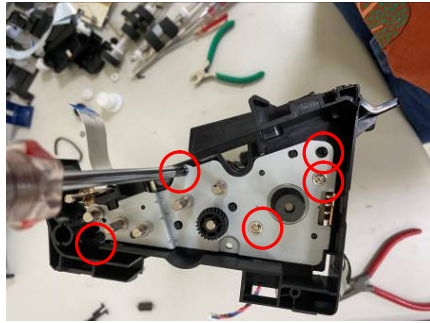
Step 12: Remove E-Ring to loosen gear.



Step 13: Cut the Belt.



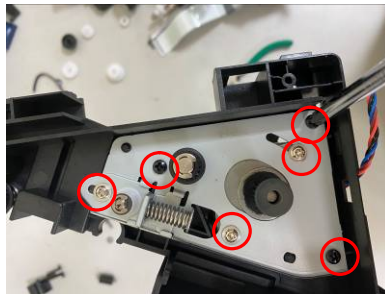
Step 14: Use a screwdriver to take out Motor and Mount.



Step 15: Cut the Belt



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



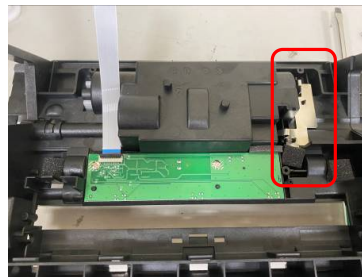
Step 17: Use a screwdriver to take out Support.



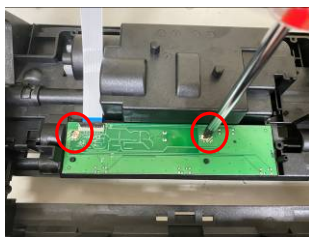
Step 18: Unloosen the tenon to take out Bush.



Step 19: Take out Sponge & Plate.

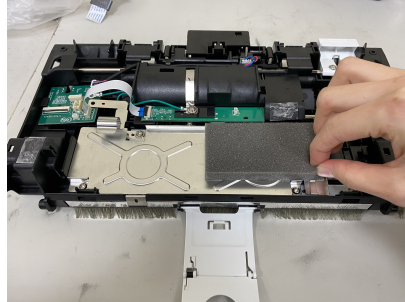


Step 20: Use a screwdriver to take out PCBA(SBA304/004-3467-9) & Lower Case(051-B827-0).

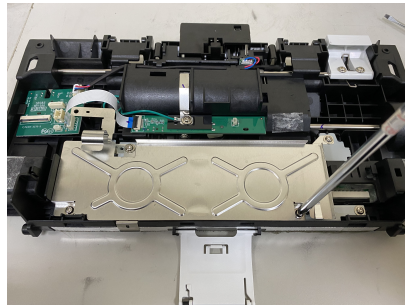


Upper Base Ass'y

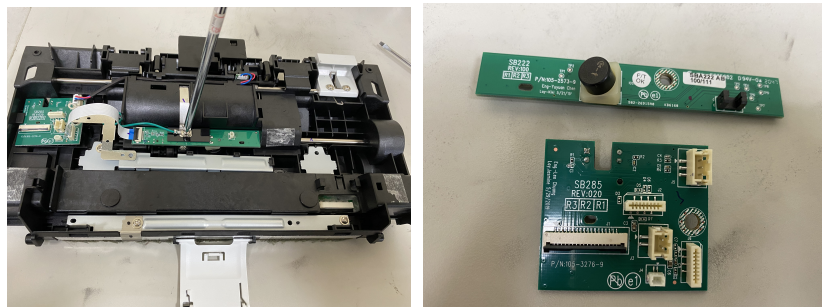
Step 1: Tear off the Sponge.



Step 2: Use the screwdriver to remove CIS Plate.



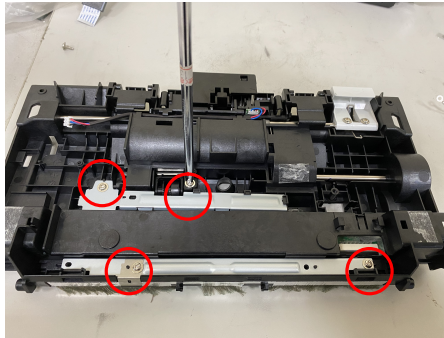
Step 3: Use the screwdriver to remove
PCBA(SBA285/004-3276-9)&(SBA303/004-3466-9)



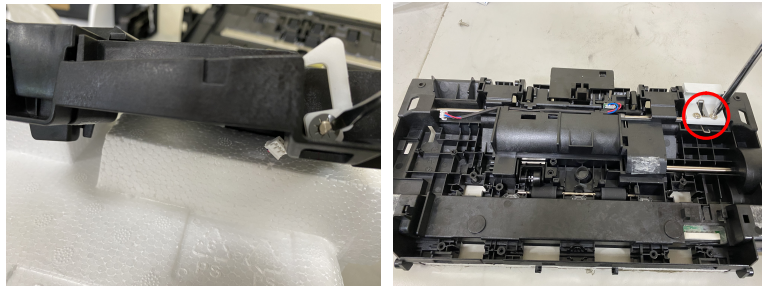
Step 4: Take out Middle Holder Output



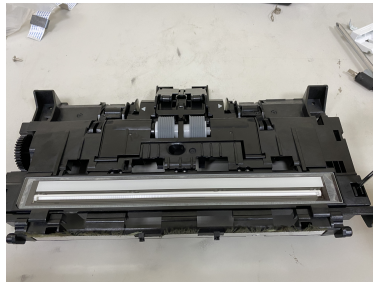
Step 5: Use the screwdriver to remove Plate.



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



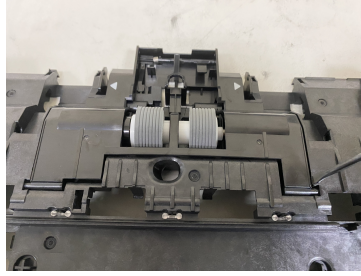
Step 7: Unloosen the tenon to take out CIS Ass'y.



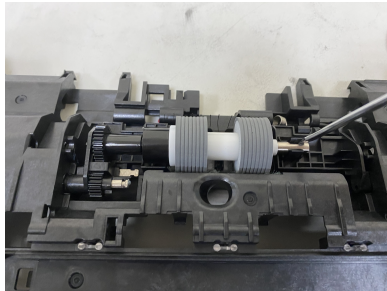
Step 8: Unloosen the tenon to take out Holder.



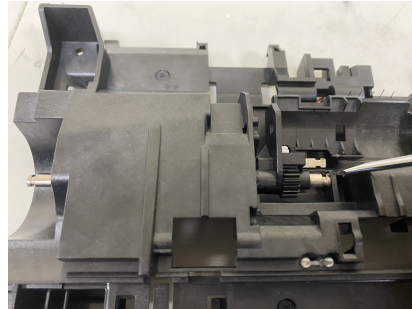
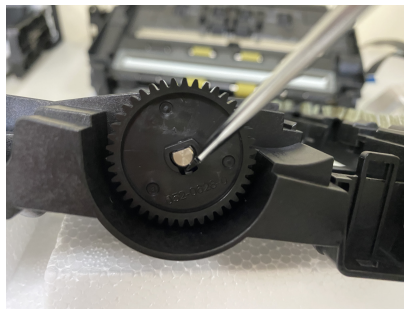
Step 9: Unloosen the tenon to take out Paper Roller Cover.



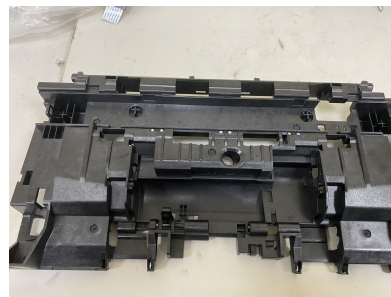
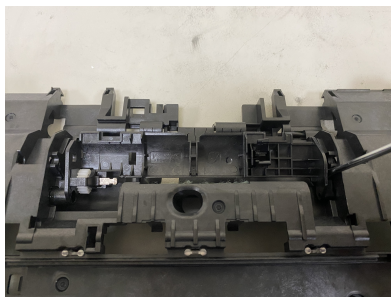
Step 10: Unloosen the tenon to take out Roller.



Step 11: Unloosen the tenon to remove Roller.

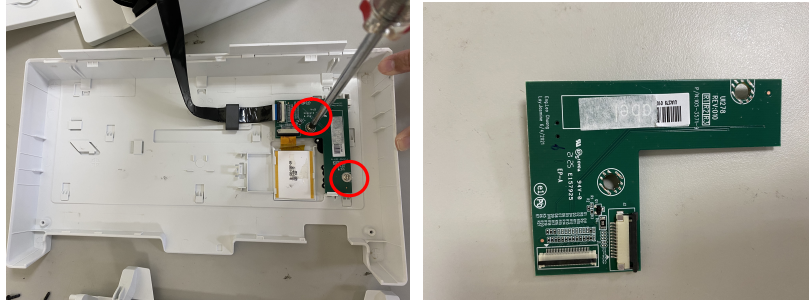


Step 12: Unloosen the tenon to remove Holder and Upper Case(051-B826-0)



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)

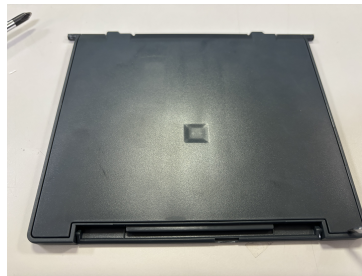


Output Tray Ass'y

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



Step 2: loosen the tenon to remove Others.

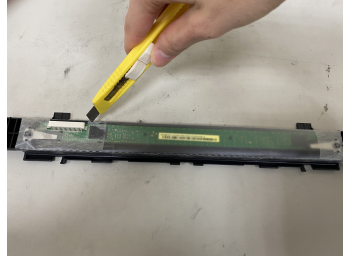


Step 3: Take out Holder.



CIS Module

Step 1: Cut the Tape.



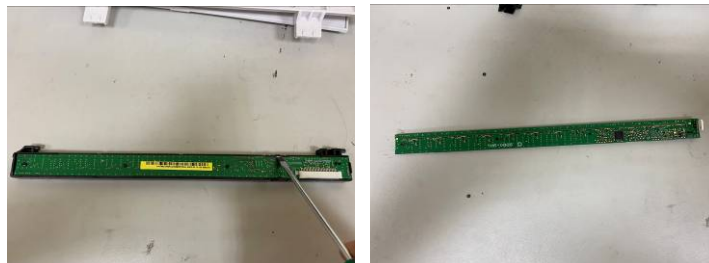
Step 2: Use the screwdriver to remove CIS Holder



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.



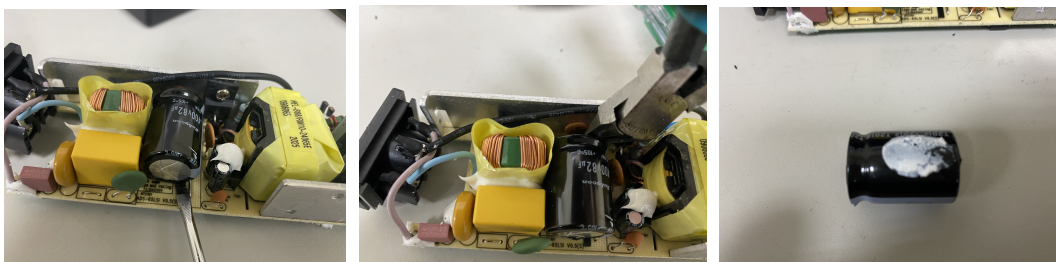
Step 2: Cut the wire.








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

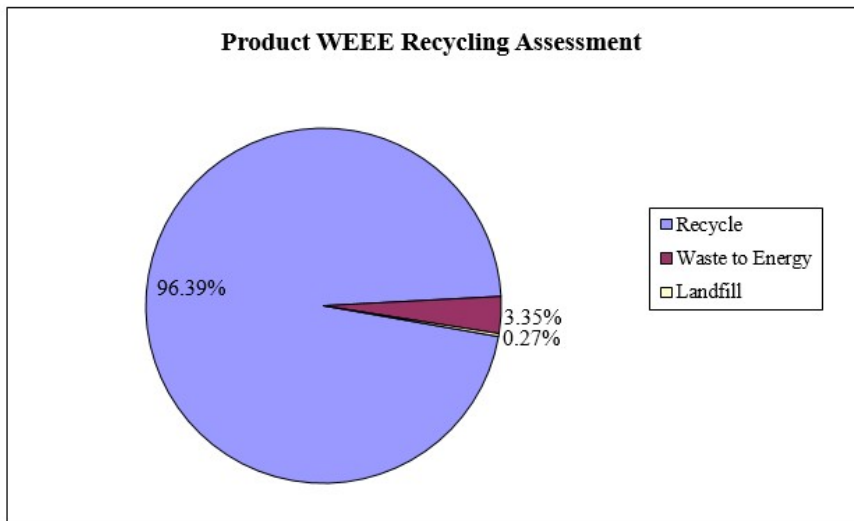
No.	Name	Material	Qty.	Weight (g)	Characteristic
121	PCBA	PCB Complex	1	4.69	80% Recycle+20% Energy Recovery
122	PCBA	PCB Complex	1	13.3	80% Recycle+20% Energy Recovery

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.