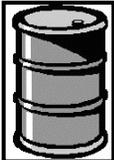


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Product name:	MD Eleva FDXD (MultiDiagnost Eleva FlatDetector)	
Identification code	708-034	
Total weight (in Kg)	2395 kg (approximately; dependent on specific configuration)	
Producer/ Manufacturer	Name company:	Philips Medical Systems
	Address:	Veenpluis 6
	Zip code:	5684 PC Best
	Country:	Netherlands
	Electronic info:	http://www.healthcare.philips.com/us/about/sustainability/recycling/

Recycle Info	Items:	Location
Special attention 	<ul style="list-style-type: none"> Be aware of possibly contaminated system parts and materials! (biological hazard) For dismantling activities Treatment Facilities must consider the national requirements. For personnel that can come into contact with contaminated material, preventive measures pursuant to national requirements must be taken into account 	System parts that were in the patient environment, and that were not disinfected
	<ul style="list-style-type: none"> Removal of units / weights can cause the system(parts) to tilt! 	
	<ul style="list-style-type: none"> Removal of units / weights can cause unexpected movements of guidances! 	
	<ul style="list-style-type: none"> Release of brakes can cause unexpected movements of guidances! Brakes cannot prevent unexpected movements due to the removal of units /weights! 	
	<ul style="list-style-type: none"> High-voltage parts (e.g. capacitors) are marked with  	
	<ul style="list-style-type: none"> Vacuum glass tube can implode! 	X-ray tube (page 7)
	<ul style="list-style-type: none"> Refrigeration Gases must be evacuated/recovered 	Cabinets (page 20-26)
Fluids / Gases 	Items: <ul style="list-style-type: none"> Glycoshell SF50 	Cabinets (page 20-26)
	<ul style="list-style-type: none"> Refrigeration Gas (R-134a) and Oil (Polyolester) 	Cabinets (page 20-26)
	<ul style="list-style-type: none"> Transformer oil, type: Shell Diala 	Cabinets (page 20-26)
	<ul style="list-style-type: none"> Glycoshell SF, 71ml (pink fluid) 	FDXD (page 4)
	<ul style="list-style-type: none"> Oil 	X-ray tube (page 7)
Batteries  To be Removed	Type: Battery, 4x alkaline 1,5V [44 grams] (per “remote control/viewpad”)	 (page 3)
	Battery, 3x NiMh 1,5V [135 grams]	 (page 3, 10)
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PC”)	Electronics (page 9)
	1x CR2032 3.0V Lithium coin cell	Cabinets (page 20-26)
	1x CR2032 3.0V Lithium coin cell	Cabinets (page 20-26)
	1x 3.5V Lithium battery	Cabinets (page 20-26)

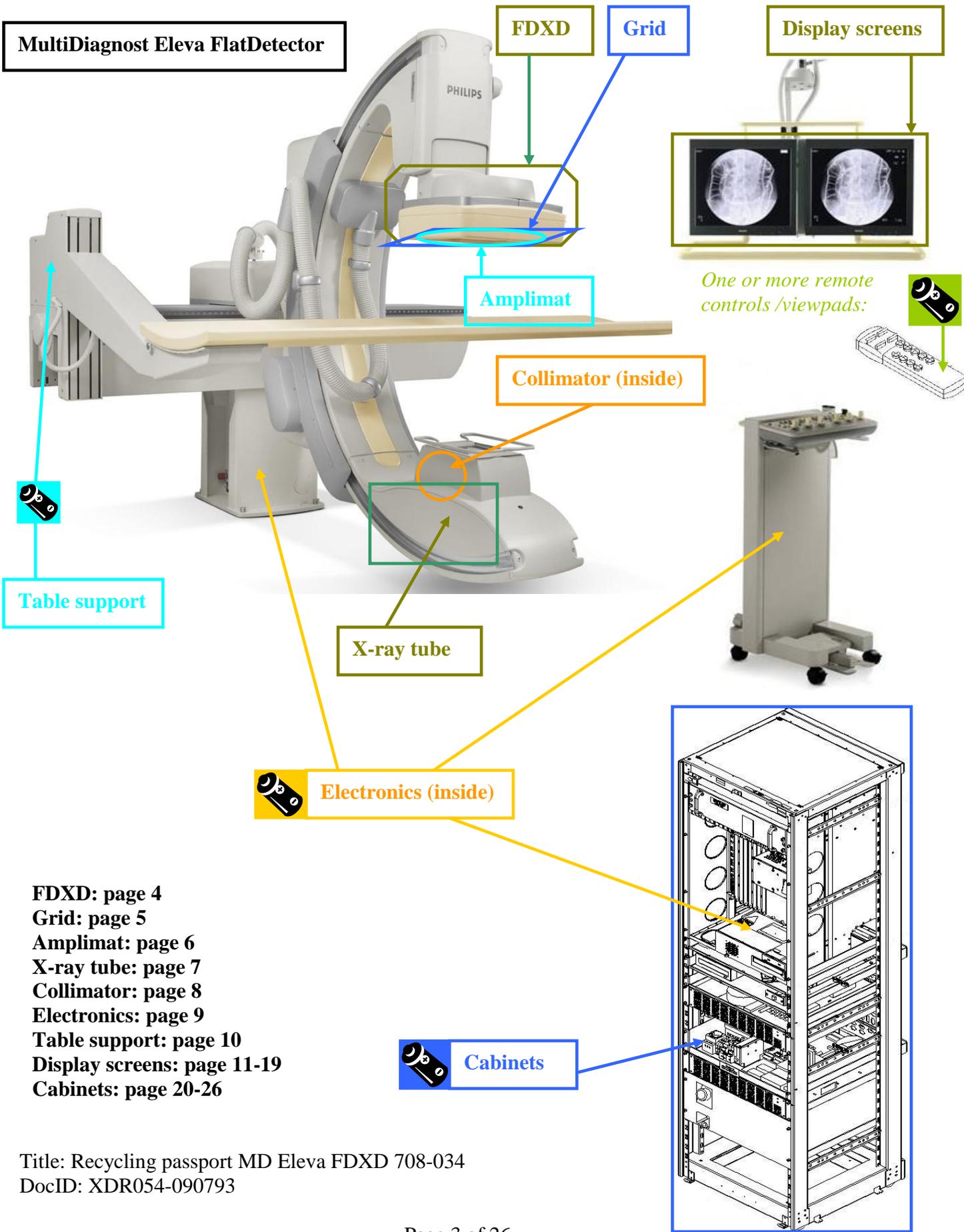
Title: Recycling passport MD Eleva FDXD 708-034
 DocID: XDR054-090793

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	Lithium chrome cell, 3V (2x)	Cabinets (page 20-26)
<p>Hazardous</p>  <p>To be Removed</p>	Substances:	Location
	Lead (Pb) for X-ray shielding	FDXD (page 4) Grid (page 5) X-ray tube (page 7) Collimator (page 8)
	Lead (Pb) for soldering	Electronics (page 9) Display screens (page 11-19) Cabinets (page 20-26)
	Thallium	FDXD (page 4)
	Beryllium Copper (BeCu)	Electronics (page 9)
	Beryllium Copper (BeCu) contact springs	Cabinets (page 20-26)
	Cadmium (Cd)	Cabinets (page 20-26)
Mercury (Hg) in LCD screens	LCD screens (page 11-19)	

Note: to facilitate recycling, all plastic parts weighing > 50 grams are marked according to ISO11469 & ISO1043.

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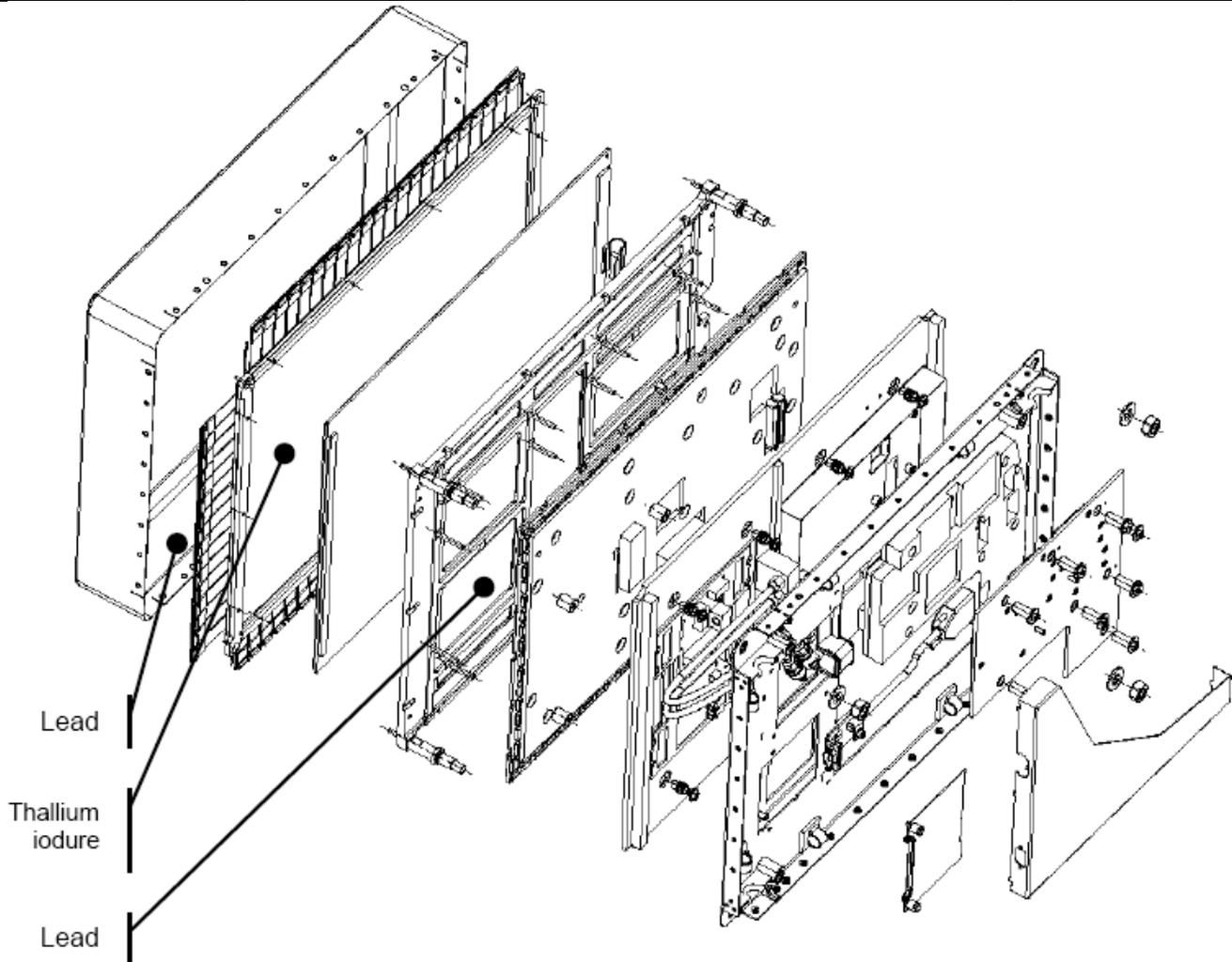


- FDXD: page 4**
- Grid: page 5**
- Amplimat: page 6**
- X-ray tube: page 7**
- Collimator: page 8**
- Electronics: page 9**
- Table support: page 10**
- Display screens: page 11-19**
- Cabinets: page 20-26**

FDXD (Pixium 4700):

Recycle Info	Items:	Location
Fluids / Gases 	Glycoshell SF, 71ml (pink fluid)	In plumbing (cooling plate and tubes)
Hazardous  To be Removed	Substances: Lead (Pb), 5880 grams Thallium, 1,8 grams, used in the Scintillator that converts Xrays into light.	Location See next figure See next figure

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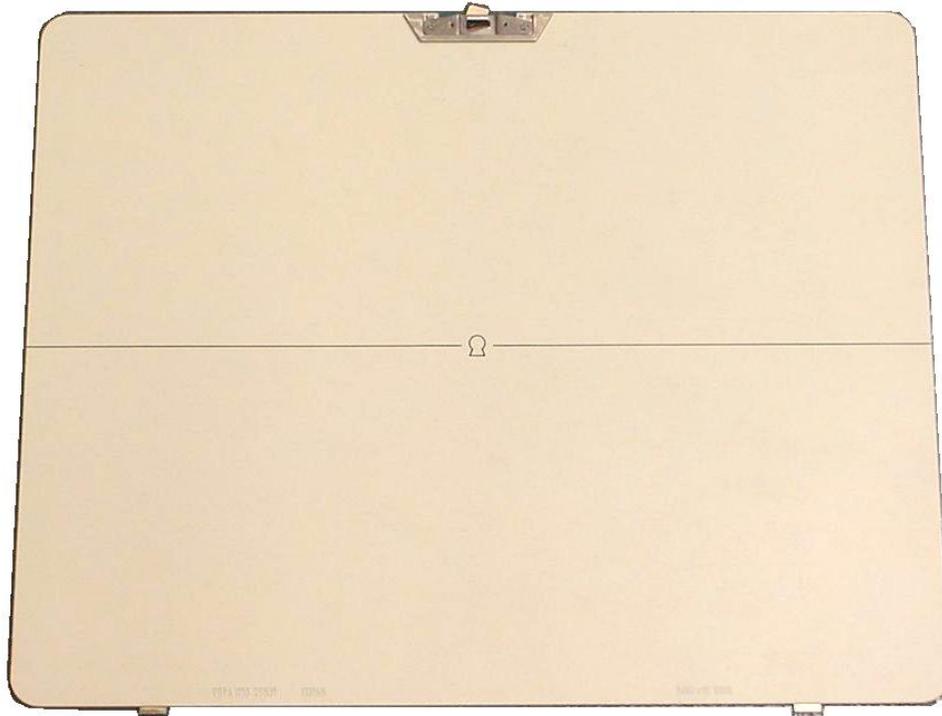


The second plate to the right of the most right lead plate, is the cooling plate. This contains 71 ml Glycoshell SF.

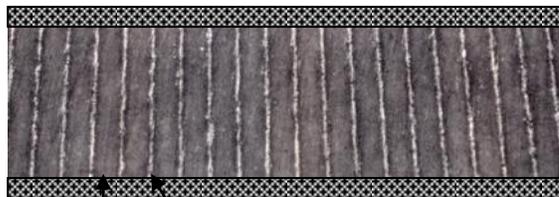
Title: Recycling passport MD Eleva FDXD 708-034
 DocID: XDR054-090793

Grid:

Hazardous	Substances:	Location
 To be Removed	Lead (Pb 99,5%)	Enclosed between cover plates



Cross-section of grid:



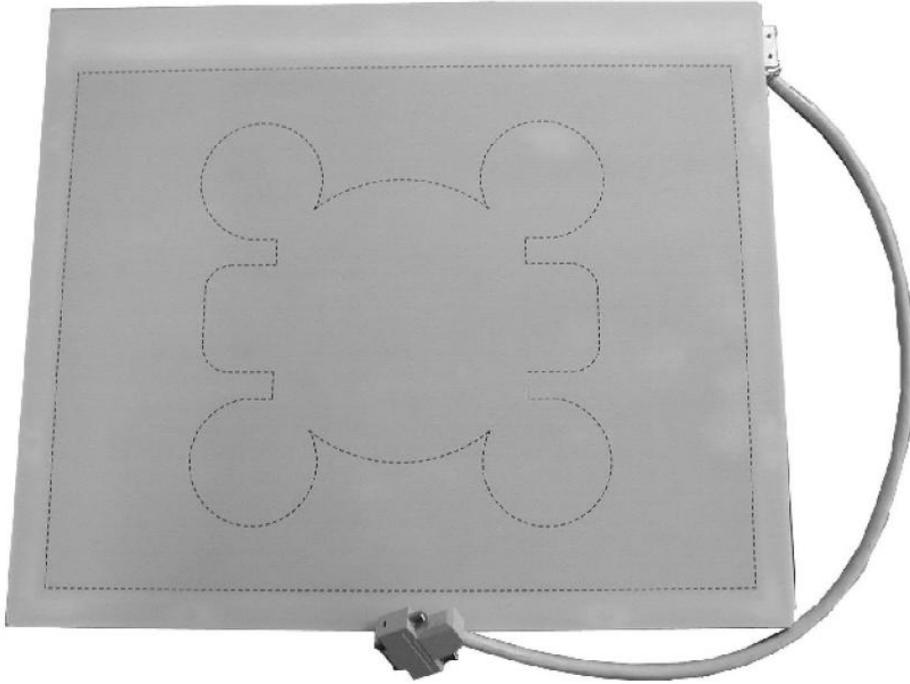
Paper
Interspace
Material

Lead

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Amplimat:

Hazardous	Substances:	Location
 <p>To be Removed</p>	Lead (Pb) is present in the soldering process of PCBs	



steel, iron	iron, high alloy (>5%)	0,42KG
steel, iron		0,42KG
nonferrous metals and alloys	aluminum, -alloy	0,174KG
nonferrous metals and alloys		0,174KG
plastics / organic substances	thermoplastic	1,47KG
plastics / organic substances		1,47KG
standard parts	cables	0,09KG
	printed circuit boards	0,058KG
	mounting parts, attaching part	0,017KG
standard parts		0,165KG
		2,229KG

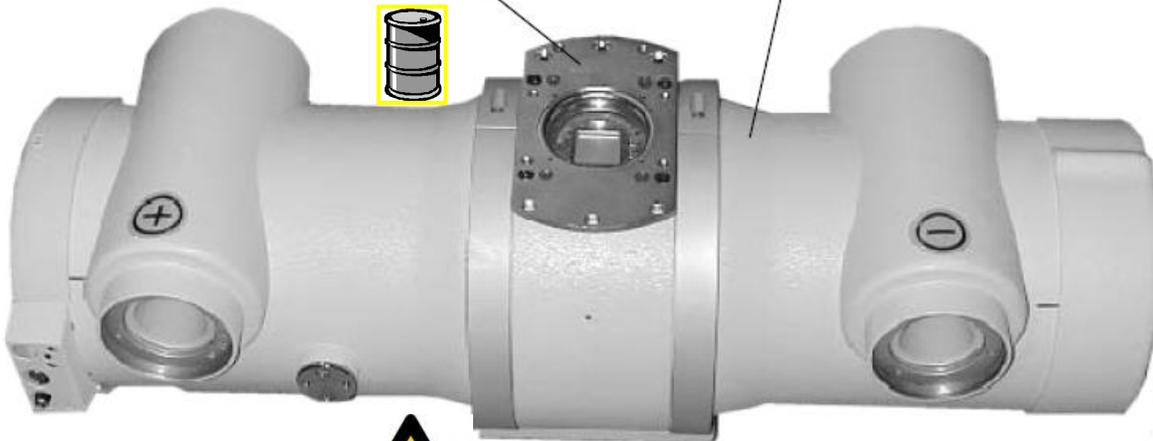
Printed copies are uncontrolled

X-ray tube:

Recycle Info	Items:	Location
Special attention 	Vacuum glass tube can implode!	X-ray tube
Fluids / Gases	Items:	Location
	Oil: 4,2 kg HV-transformer oil contains no PCBs	
Hazardous	Substances:	Location
 To be Removed	Lead as x-ray shielding inside housing: 5,5 kg	Figure below
	Beryllium as x-ray window in vacuum envelope: 1 g	Figure below

Beryllium as x-ray window in vacuum envelope

Lead as x-ray shielding inside housing

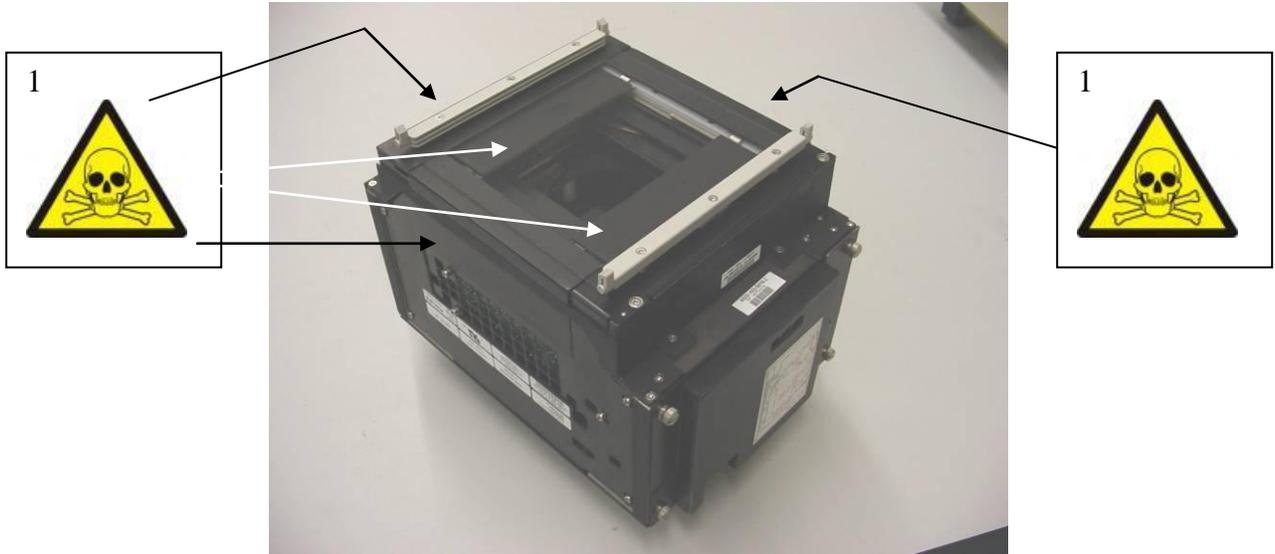


Vacuum glass tube can implode!

steel, iron	iron, low alloy (<5%)	3,1KG
	iron, high alloy (>5%)	0,7KG
steel, iron		3,8KG
nonferrous metals and alloys	aluminium and -alloys	6,8KG
	copper and -alloys	2,7KG
	molybdenum and -alloys	0,9KG
nonferrous metals and alloys		10,4KG
glass / ceramics	ferrite	0,3KG
	glass	0,1KG
glass / ceramics		0,4KG
plastics / organic substances	oil	4,2KG
	thermoset	2KG
	elastomer	0,1KG
plastics / organic substances		6,3KG
relevant materials	lead and -alloys	5,5KG
	tungsten and -alloys	0,1KG
	beryllium and -alloys	0,001KG
relevant materials		5,601KG

Collimator:

Hazardous	Substances:	Location
 To be Removed	Lead (Pb 99,5%); 3.7 – 4.1 kg; glued to several parts in the collimator	1; see next picture



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Electronics:

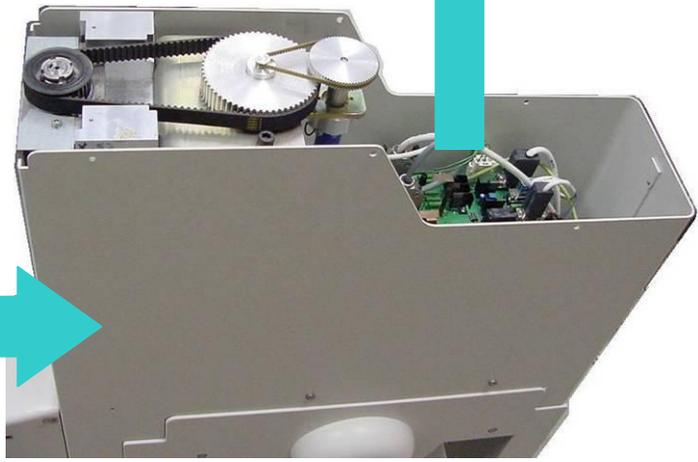
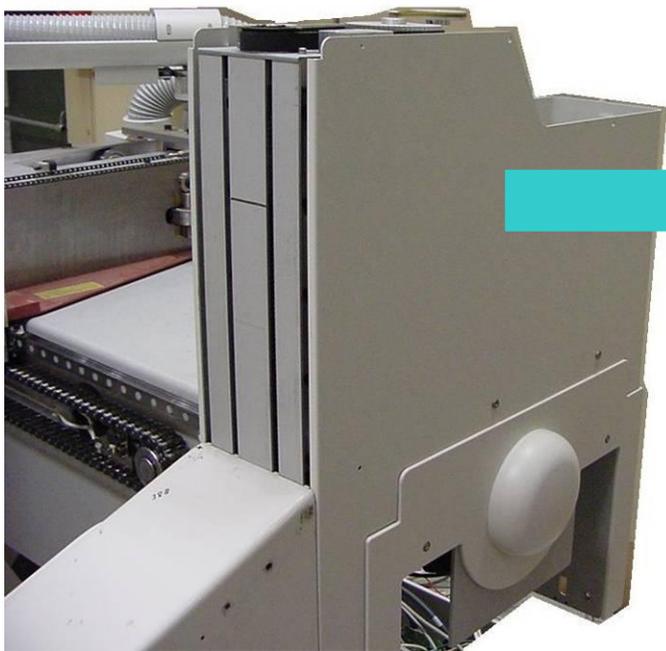
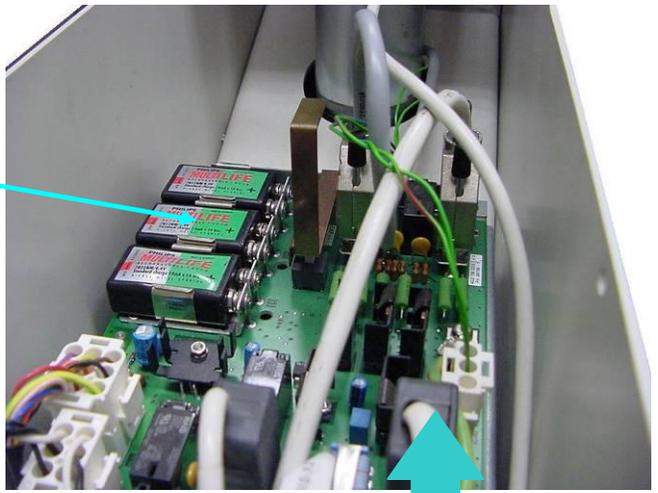
Batteries	Type:	Location
 To be Removed	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PersonalComputer” [Philips-indication: Viewforum hardware])	Inside Dell PC
Hazardous	Substances:	Location
 To be Removed	BerylliumCopper (BeCu)	Contact springs between hardware-racks; see also cabinets (page 30-36)
	Lead (Pb) is present in the soldering of some PCBs	PCBs (PrintedCircuitBoards)

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Table support:

Batteries	Type:	Location
 To be Removed	Battery, 3x NiMh 8,4V [141 grams]	Picture below: 

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Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

Display screens:

FOLLOWING PAGES PROVIDE INFORMATION ON VARIOUS SCREENS POSSIBLY PRESENT IN THE SYSTEM.

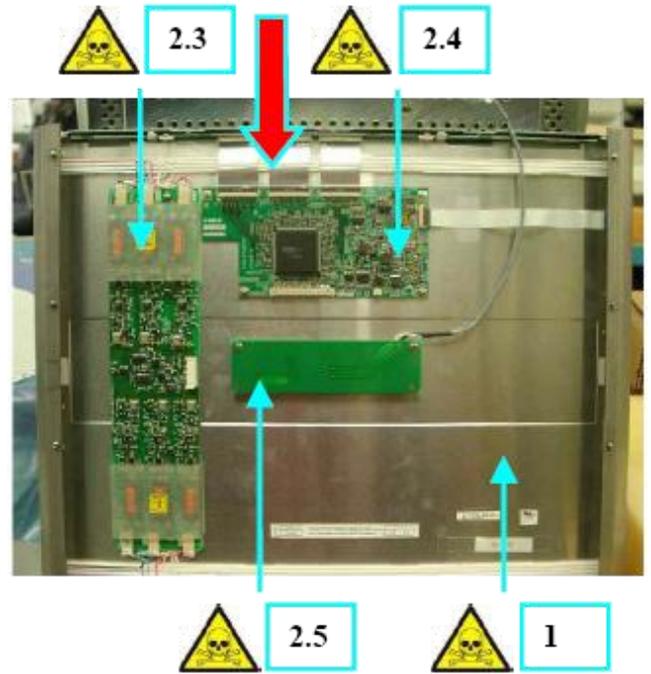
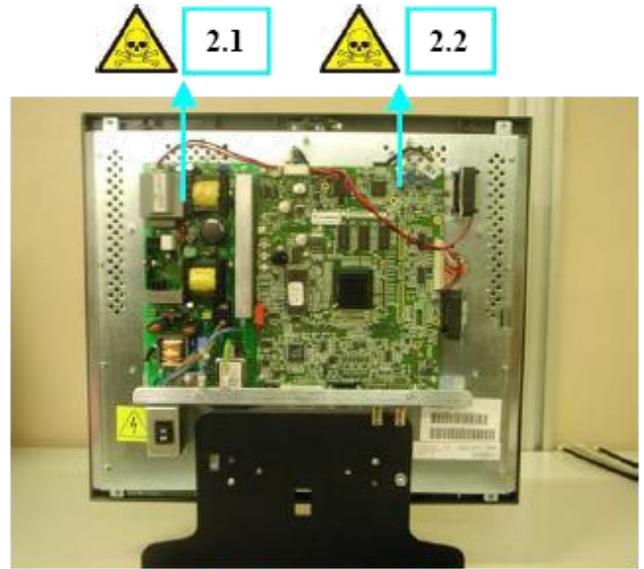
LCD screen FIMI MML1801-IP1P / 9919-320-5067x | PAGE 1 of 2

Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

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LCD screen FIMI MML1801-IP1P / 9919-320-5067x | PAGE 2 of 2

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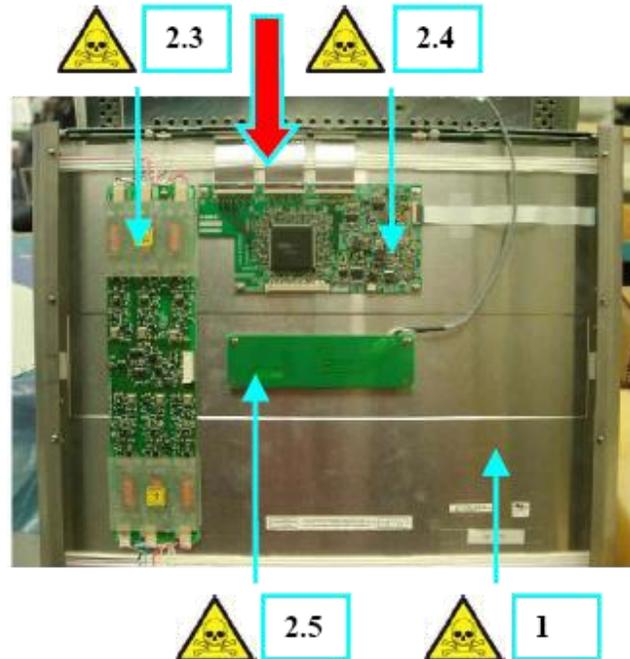


		Material
Fe	6 kg	-
Al	0	-
Cu	0.11 kg	Cables
Plastics	1.5 kg	-
Boards (S ² > 10cm ²)	96 cm ² / 260 g	S.M.P.S. (item 2.1 in the picture)
	320 cm ² / 230 g	Logic Board (item 2.2 in the picture)
	144 cm ² / 67 g	Inverter (item 2.3 in the picture)
	100 cm ² / 50 g	LCD Driver (item 2.4 in the picture)
	46 cm ² / 40 g	PCB Light Sensor (item 2.5 in the picture)
LCD	3.97 kg	18"

LCD screen FIMI MML1802-IP10 / 9919-320-5069x

Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

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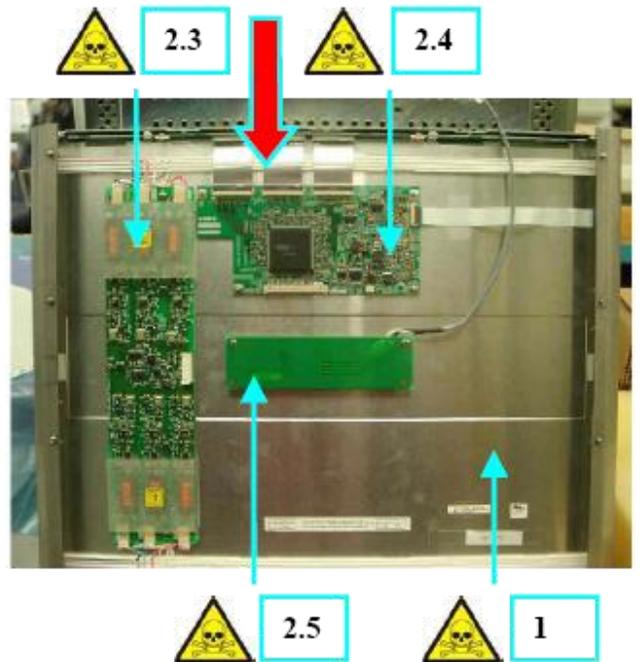
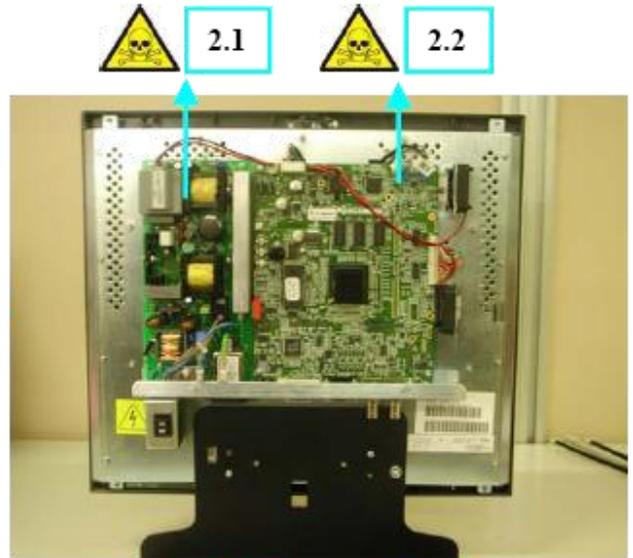
Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.1 kg	Cables
Plastics	1 kg	-
Boards (S ² > 10cm ²)	96 cm ² / 260 g 320 cm ² / 230 g 144 cm ² / 67 g 100 cm ² / 50 g 46 cm ² / 40 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Inverter (item 2.3 in the picture) LCD Driver (item 2.4 in the picture) PCB Light Sensor (item 2.5 in the picture)
LCD	3.9 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
DocID: XDR054-090793

LCD screen FIMI MCL1802-IP10 / 9919-320-5072x

Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

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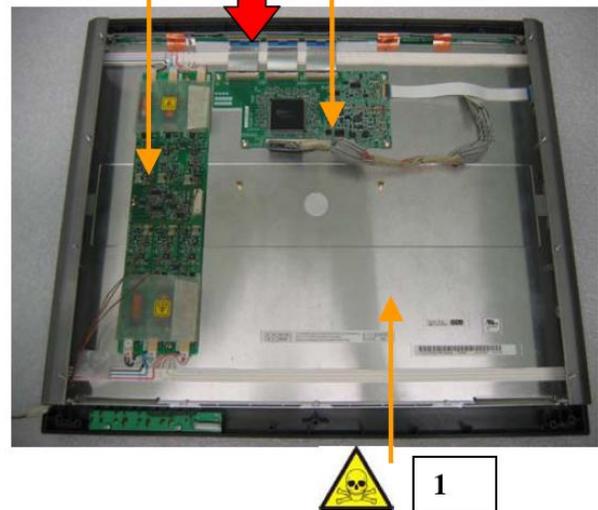
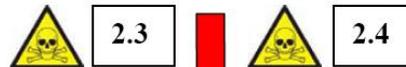
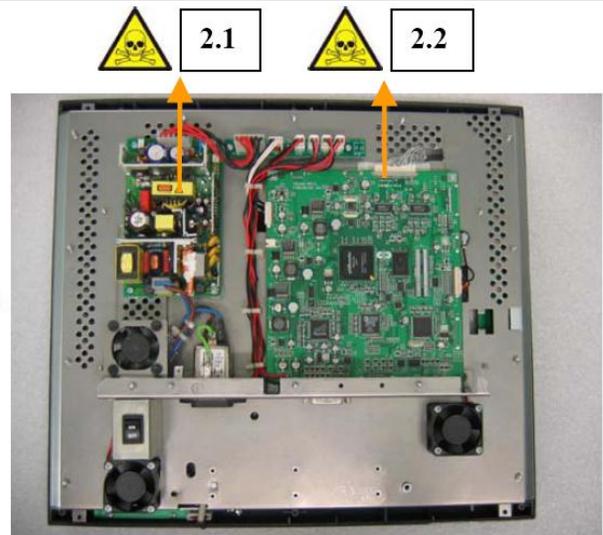
Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.1 kg	Cables
Plastics	1 kg	-
Boards (S ² > 10cm ²)	96 cm ² / 260 g 320 cm ² / 230 g 144 cm ² / 67 g 100 cm ² / 50 g 46 cm ² / 40 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Inverter (item 2.3 in the picture) LCD Driver (item 2.4 in the picture) PCB Light Sensor (item 2.5 in the picture)
LCD	3.9 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
 DocID: XDR054-090793

LCD screen PHILIPS FIMI MCL180L / 9919-320-5089x

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Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps: 3.5 mg x 6 lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

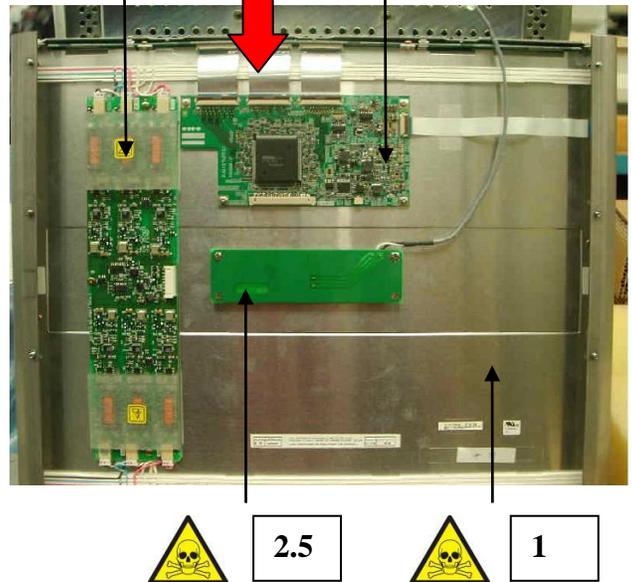
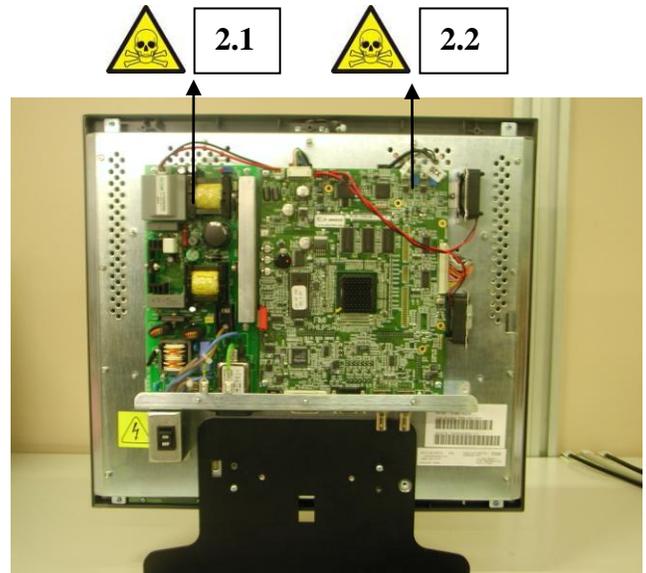


Material		
Fe	6.0 kg	(3.4 kg in the pedestal)
Al	0	
Cu	0.1 kg	Cables
Plastics	1.5 kg	(0.4 kg in the pedestal)
Boards (S ² > 10cm ²)	96 cm ² / 260 g	S.M.P.S. (item 2.1 in the picture)
	320 cm ² / 230 g	Logic Board (item 2.2 in the picture)
	144 cm ² / 66 g	Inverter (item 2.3 in the picture)
	72 cm ² / 54 g	LCD Driver (item 2.4 in the picture)
LCD	3 kg	18"

LCD screen FIMI MML1801-GX / 9919-320-5122x

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Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	



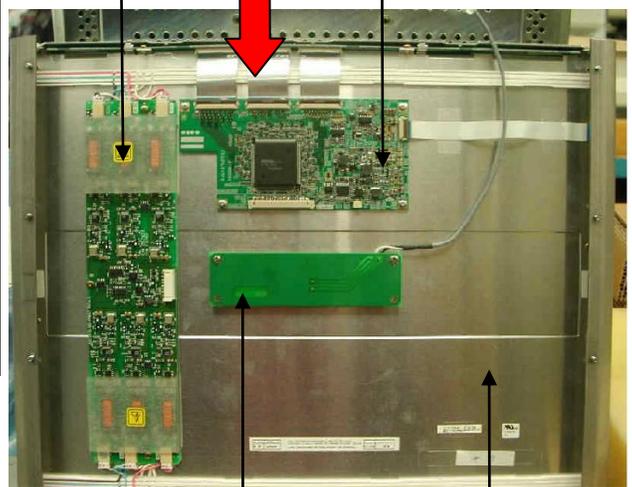
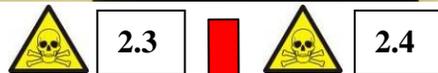
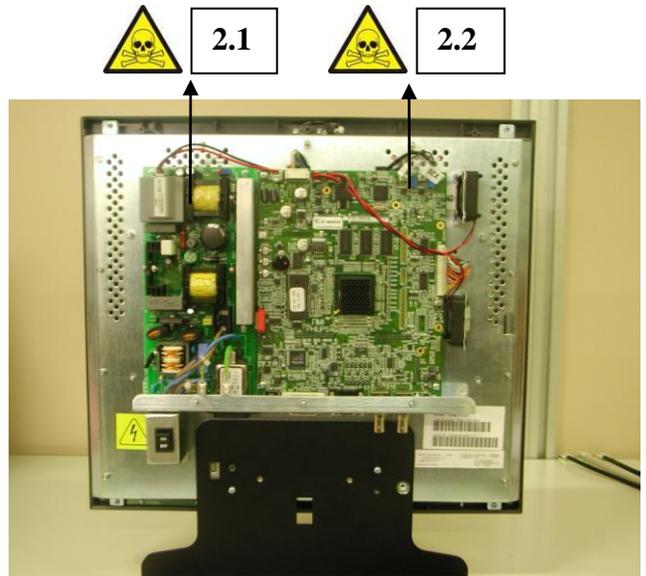
Material		
Fe	6 kg	-
Al	0	-
Cu	0.11 kg	Cables
Plastics	1.5 kg	-
Boards (S ² > 10cm ²)	96 cm ² / 260 g	S.M.P.S. (item 2.1 in the figure)
	320 cm ² / 230 g	Logic Board (item 2.2 in the figure)
	144 cm ² / 67 g	Inverter (item 2.3 in the figure)
	100 cm ² / 50 g	LCD Driver (item 2.4 in the figure)
	46 cm ² / 40 g	PCB Light Sensor (item 2.5 in the figure)
LCD	3.97 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
 DocID: XDR054-090793

LCD screen FIMI MML1802-GXR / 9919-320-5123x

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Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	



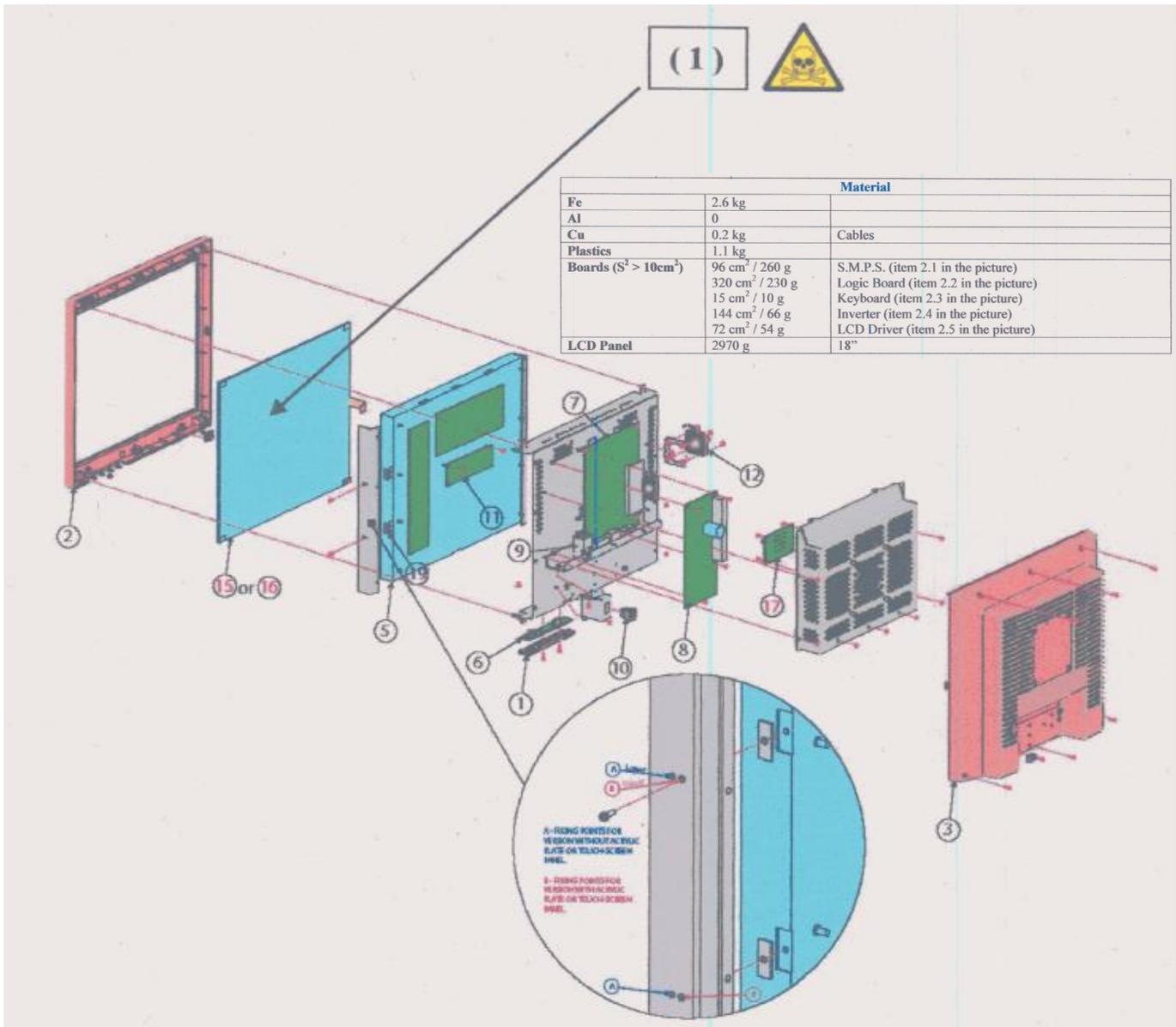
Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.1 kg	Cables
Plastics	1 kg	-
Boards (S² > 10cm²)	96 cm ² / 260 g 320 cm ² / 230 g 144 cm ² / 67 g 100 cm ² / 50 g 46 cm ² / 40 g	S.M.P.S. (item 2.1 in the figure) Logic Board (item 2.2 in the figure) Inverter (item 2.3 in the figure) LCD Driver (item 2.4 in the figure) PCB Light Sensor (item 2.5 in the figure)
LCD	3.9 kg	18"

Title: Recycling passport MD Eleva FDXD 708-034
 DocID: XDR054-090793

LCD screen PHILIPS FIMI MML1822-GXR / 9919-320-5136x

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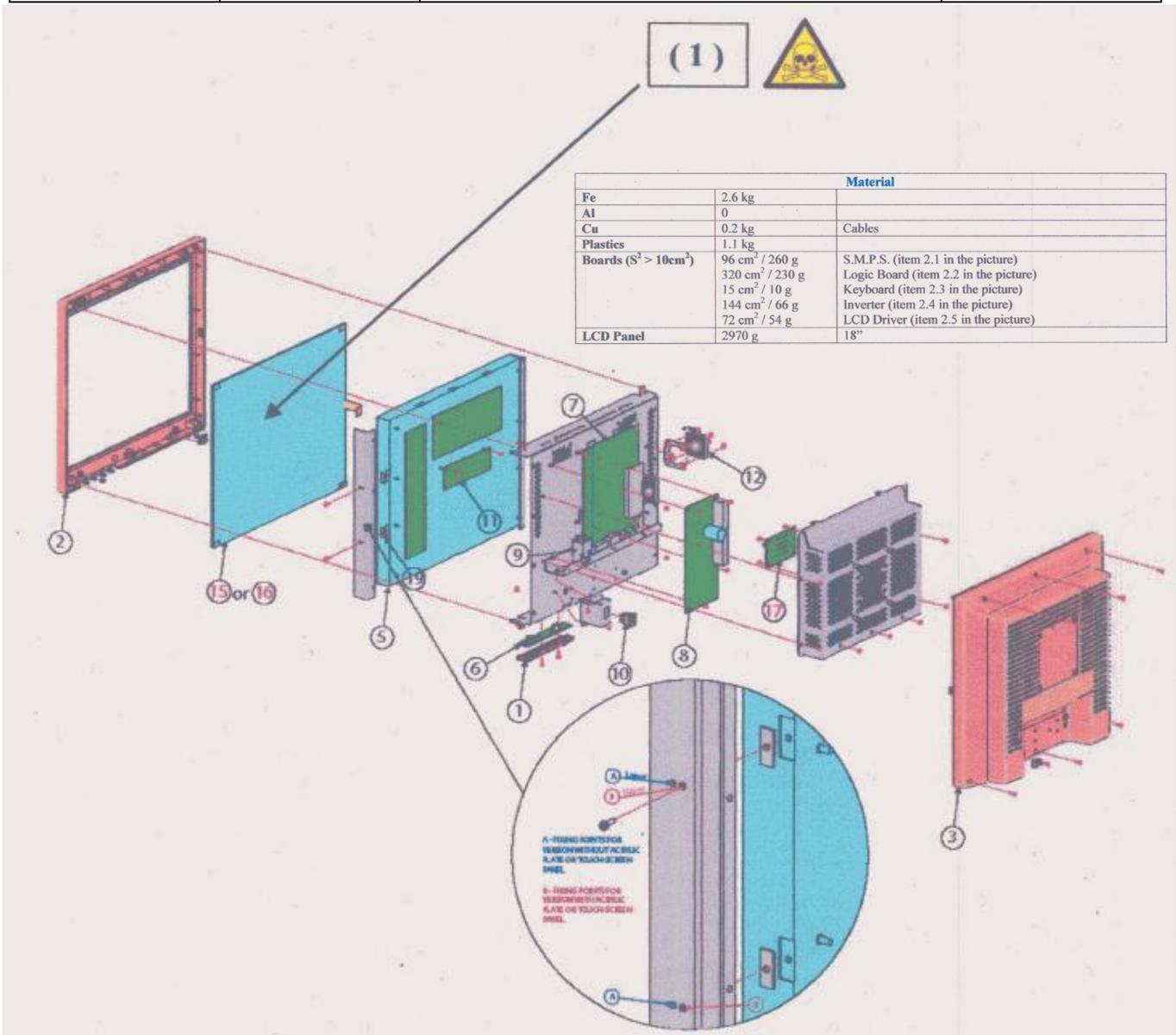
Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps: 3.5 mg x 6 lamps)	Next figure (1)
	Pb	0	
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	



LCD screen PHILIPS FIMI CML1812-GXR / 9919-320-5147x

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Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps: 3.5 mg x 6 lamps)	Next figure (1)
	Pb	0	
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	

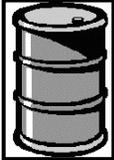


Cabinets:

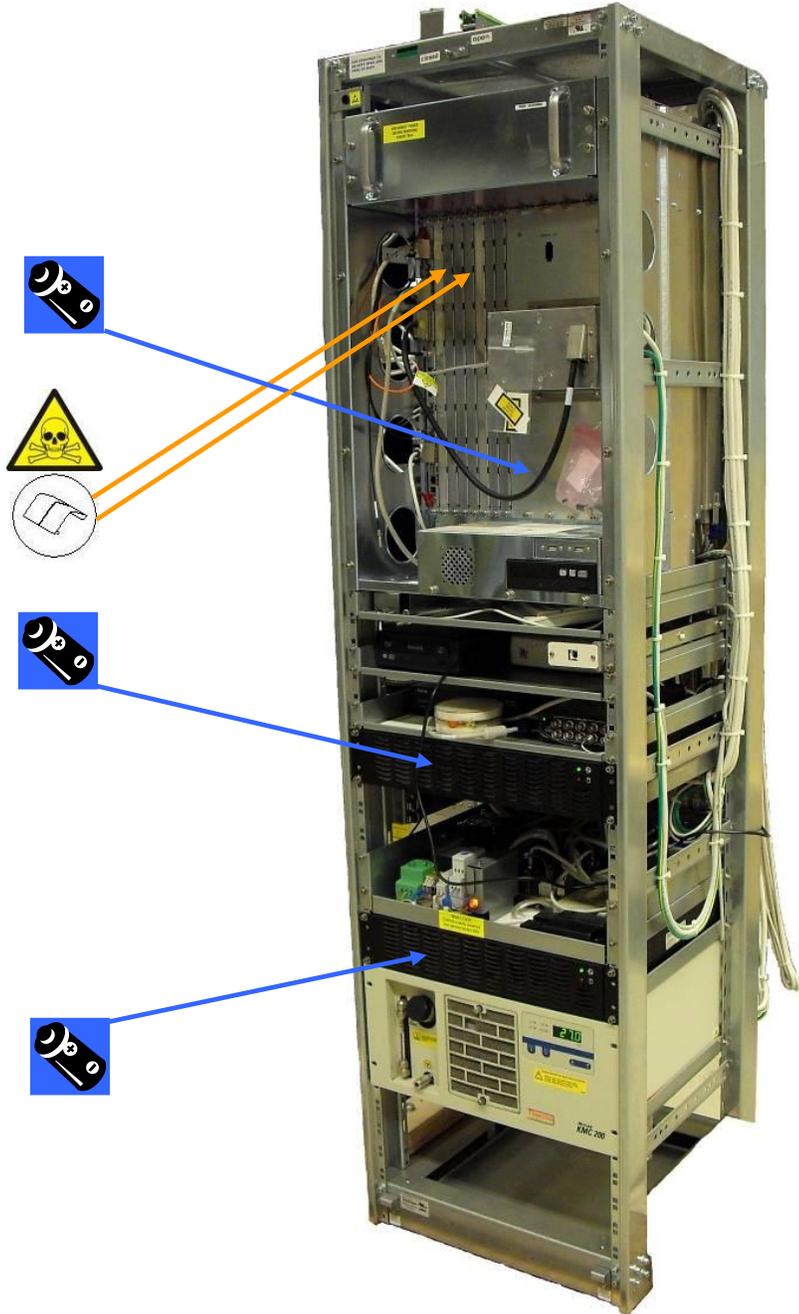
FOLLOWING PAGES PROVIDE INFORMATION ON VARIOUS CABINETS POSSIBLY PRESENT IN THE SYSTEM.

DI1 I-CABINET FD, 9896 010 3310x, 9896 010 4360x (with MD3D option)

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Recycle Info	Items:	Location
Special attention 	Refrigeration Gases must be evacuated/recovered	Compressor (2); see figure page 29
Fluids / Gases 	Items: Glycoshell SF50 Refrigeration Gas (R-134a) and Oil (Polyolester)	Location Tank, Fluid Lines (1); see figure page 32 Compressor and Refrigeration Lines (2); see figure page 32
Batteries 	Type: 3x CR2032 3.0V Lithium coin cell battery	Location 1, see next figure 
To be Removed		
Hazardous 	Substances: BeCu (BerylliumCopper) contact springs Lead (Pb) is present in the soldering process of some PCBs (Note: solder used on plumbing is lead free) Cadmium (Cd)	Location 2 dotted area (at FRONT- and BACKSIDE cabinet); see next figure PCB, Relays Schrader Valve (3); see figure page 32 Relays (3); see figure page 32
To be Removed		

Battery on PCB, slot SBC



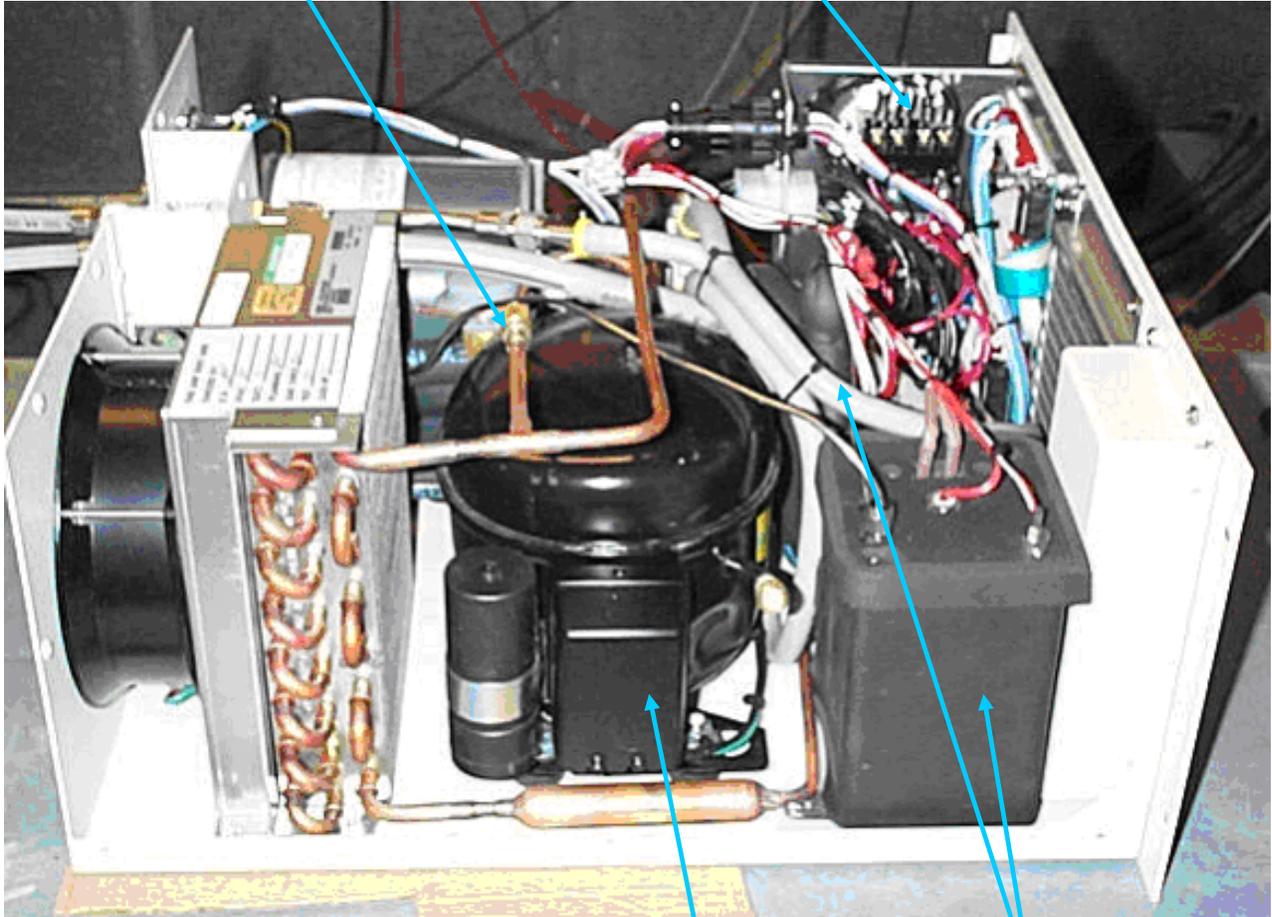
Printed copies are uncontrolled

3 – Schrader Valve

3 – Printed Circuit Board, Relays



Cd, Pb



1 - Tank, Fluid Lines



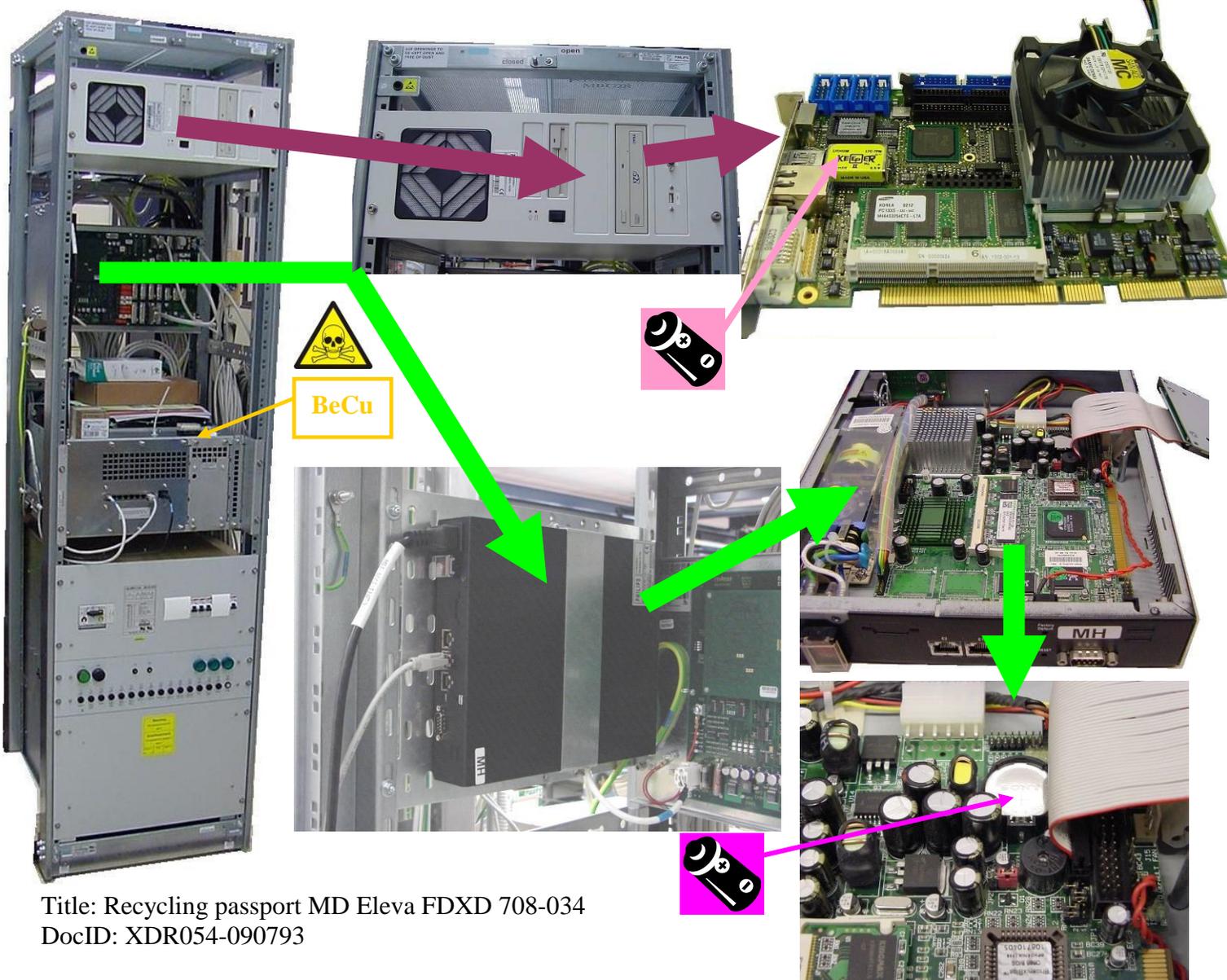
2 - Compressor



M-CABINET Eleva, 9896 001 4150x

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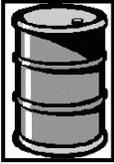
Batteries  To be Removed	Type: 1x CR2032 3.0V Lithium coin cell	Location Next picture: 
	1x 3.5V Lithium battery	Next picture: 
Hazardous  To be Removed	Substances: BeCu (BerylliumCopper) contact springs	Location Next picture: BeCu 



Title: Recycling passport MD Eleva FDXD 708-034
 DocID: XDR054-090793

Velara 2T GFD 480V, 9890 000 6209x| Velara 2T GCF 480V, 9890 000 7030x

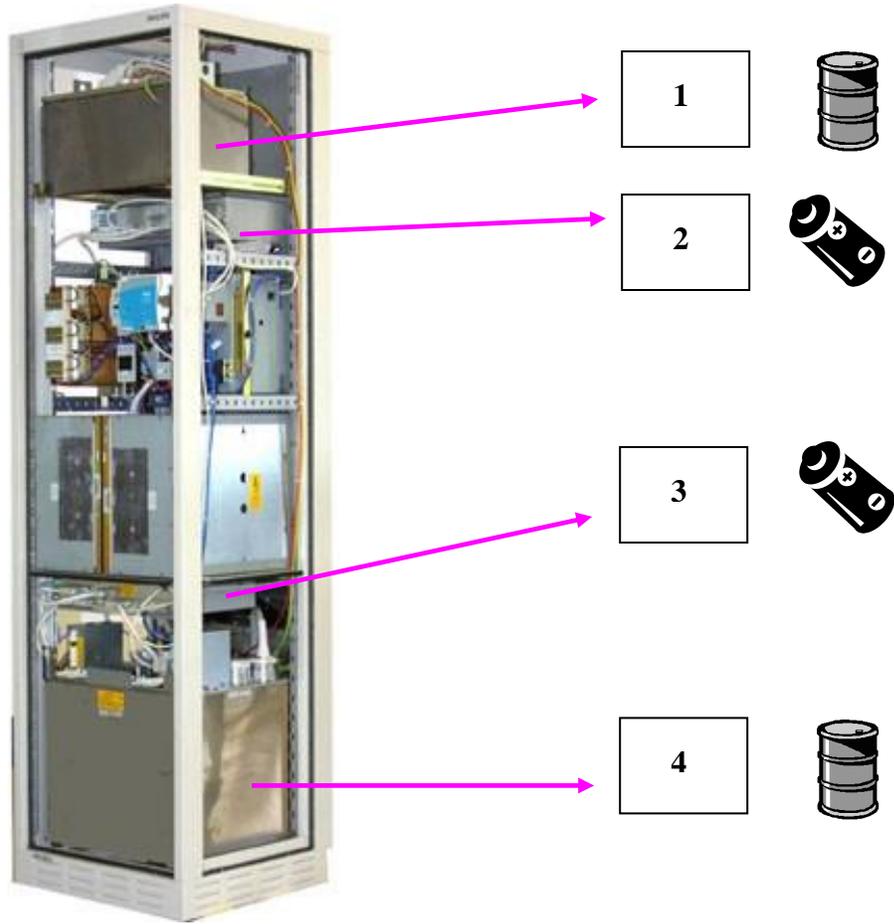
Printed copies are uncontrolled

Recycle Info	Items:	Location
Fluids / Gases 	<ul style="list-style-type: none"> Transformer oil, type: Shell Diala (This HighVoltage-transformer oil contains no PCBs) 	See next figure (1) & (4)
Batteries  To be Removed	Items: Lithium chrome cell, 3V	See next figure (2)
	Lithium chrome cell, 3V	See next figure (3)
Hazardous  To be Removed	Substances: Pb is present in the soldering process of PCBs	See next figure

steel, iron	iron, low alloy (<5%)	136,263	KG
	iron, high alloy (>5%)	5,674	KG
steel, iron		141,937	KG
nonferrous metals and alloys	aluminum, -alloy	12,655	KG
	copper, -alloy	5,075	KG
	zinc, -alloy	1,652	KG
nonferrous metals and alloys		19,382	KG
glass / ceramics	glass	0,288	KG
glass / ceramics		0,288	KG
plastics / organic substances	oil	64,06	KG
	thermoplastic	6,524	KG
	thermoset	4,505	KG
	elastomer	0,247	KG
plastics / organic substances		75,336	KG
standard parts	other electronic powered devices	45,92	KG
	printed circuit boards	11,835	KG
	cables	9,173	KG
	power supplies / transformers	6,184	KG
	mounting parts, attaching part	2,17	KG
	fans	1,804	KG
	motors, pumps	0,52	KG
	computers and accessories	0,218	KG
standard parts		77,824	KG
TOTAL		314,767	KG

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P-CABINET MD System, 9896-001-4149x

Hazardous	Substances:	Location
 To be Removed	BeCu (BerylliumCopper) contact springs	See next figure
	Pb is present in the soldering process of a PCB	See next figure

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