

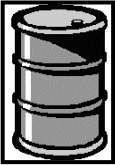






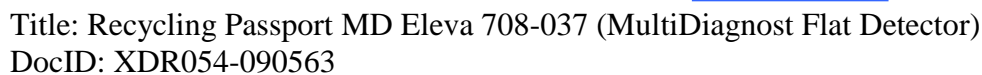
<b>Product name:</b>	<b>MD Eleva (MultiDiagnost Flat Detector version)</b>	
<b>Identification code</b>	<b>708-037</b>	
<b>Total weight (in Kg)</b>	<b>2395 kg</b> (approximately; dependent on specific configuration)	
<b>Producer/ Manufacturer</b>	Name company:	Philips Medical Systems
	Address:	Veenpluis 6
	Zip code:	5684 PC Best
	Country:	Netherlands
	Electronic info:	<a href="http://www.healthcare.philips.com/us/about/sustainability/recycling/">http://www.healthcare.philips.com/us/about/sustainability/recycling/</a>

Recycle Info	Items:	Location
<b>Special attention</b> 	<ul style="list-style-type: none"> <li>Be aware of possibly contaminated system parts and materials! 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</li> </ul>	System parts that were in the patient environment, and that were not disinfected
	<ul style="list-style-type: none"> <li>Removal of units / weights can cause the system(parts) to tilt!</li> </ul>	
	<ul style="list-style-type: none"> <li>Removal of units / weights can cause unexpected movements of guidances!</li> </ul>	
	<ul style="list-style-type: none"> <li>Release of brakes can cause unexpected movements of guidances! Brakes cannot prevent unexpected movements due to the removal of units /weights!</li> </ul>	
	<ul style="list-style-type: none"> <li>High-voltage parts (e.g. capacitors) are marked with </li> </ul>	
	<ul style="list-style-type: none"> <li>Vacuum glass tube can implode!</li> </ul>	X-ray tube (page 7)
	<ul style="list-style-type: none"> <li>Refrigeration gases must be evacuated/recovered</li> </ul>	Cabinets (page 19-25)
Fluids / Gases	Items:	Location
	<ul style="list-style-type: none"> <li>Cooling liquid Glycoshell SF50</li> </ul>	Cabinets (page 19-25)
	<ul style="list-style-type: none"> <li>Refrigeration Gas (R-134a) and Oil (Polyolester)</li> </ul>	Cabinets (page 19-25)
	<ul style="list-style-type: none"> <li>Transformer oil, type: Shell Diala</li> </ul>	Cabinets (page 19-25)
	<ul style="list-style-type: none"> <li>Glycoshell SF, 71ml (pink fluid)</li> </ul>	FDXD (page 4)
	<ul style="list-style-type: none"> <li>Oil</li> </ul>	X-ray tube (page 7)
Batteries	Type:	Location
 <b>To be Removed</b>	Battery, 4x alkaline 1,5V [44 grams] (per “remote control/viewpad”)	 (page 3)
	Battery, 3x NiMH 8,4V [141 grams]	 (page 3,11)
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PC”)	Electronics (page 9-10)
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PC” or “Radisy PC”)	Electronics (page 9-10)
	CR2032 3.0V Lithium coin cell (“V box”)	Electronics (page 9-10)
	3x CR2032 3.0V Lithium coin cell	Cabinets (page 19-25)

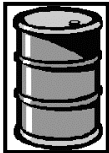

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DocID: XDR054-090563

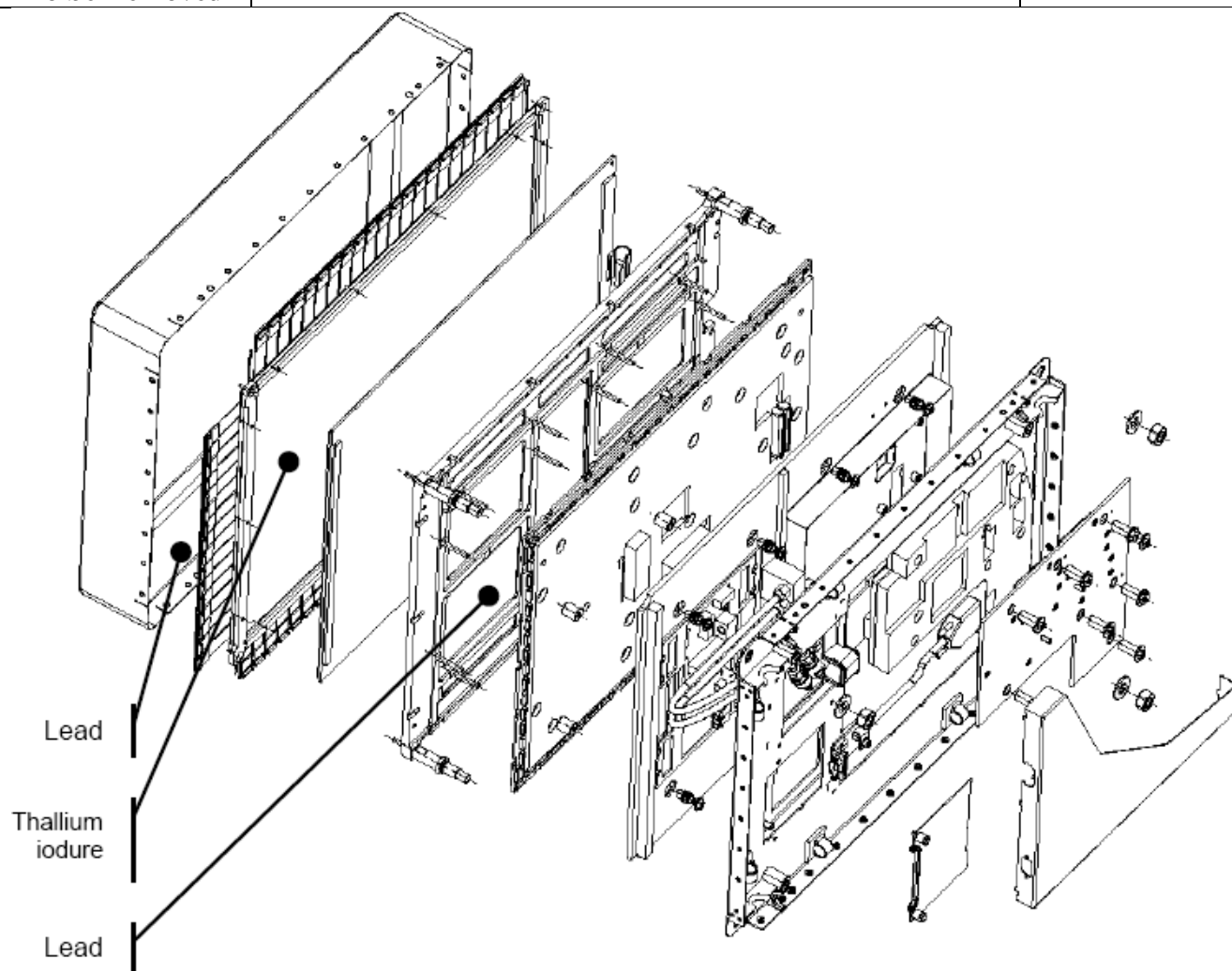
<b>Hazardous</b>  <b>To be Removed</b>	1x CR2032 3.0V Lithium coin cell	Cabinets (page 19-25)
	Lithium chrome cell, 3V (2x)	Cabinets (page 19-25)
	<b>Substances:</b>	<b>Location</b>
	Lead (Pb) for X-ray shielding	FDXD (page 4) Grid (page 5) X-ray tube (page 7) Collimator (page 8)
	Lead (Pb) for soldering	Electronics (page 9-10) Display screens (page 12-18) Cabinets (page 19-25)
	Thallium	FDXD (page 4)
	Beryllium as X-ray window	X-ray tube (page 7)
	Beryllium Copper (BeCu) contact springs	Cabinets (page 19-25)
	Cadmium (Cd)	Cabinets (page 19-25)
	Mercury (Hg) in LCD screens	LCD screens (page 12-18)

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



## FDXD (Pixium 4700):


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

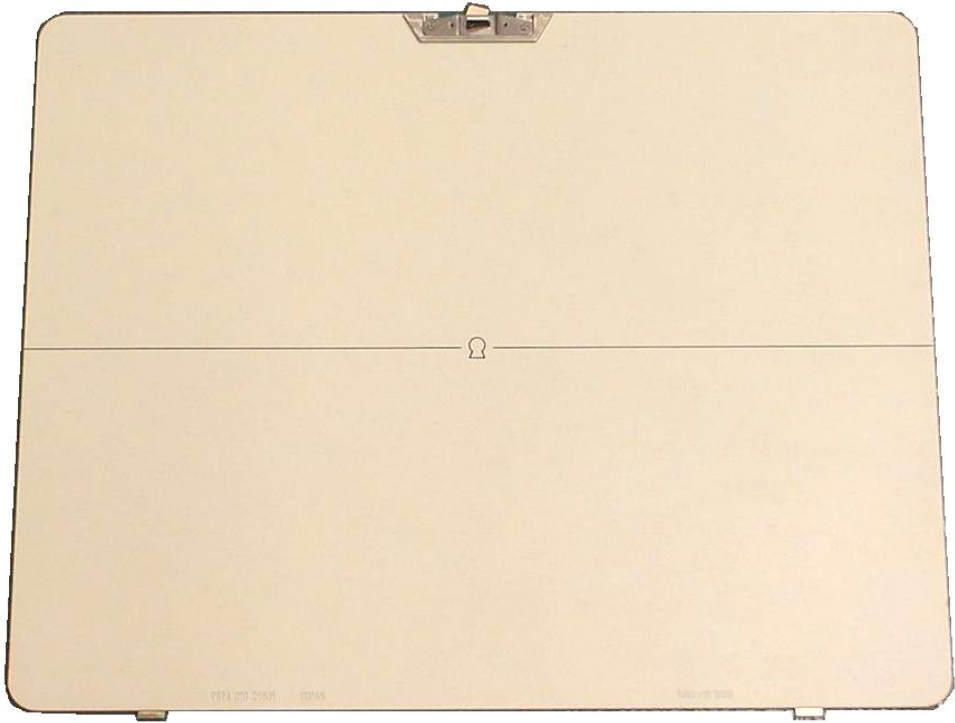


The second plate to the right of the most right lead plate, is the cooling plate. This contains 71 ml Glycoshell SF.

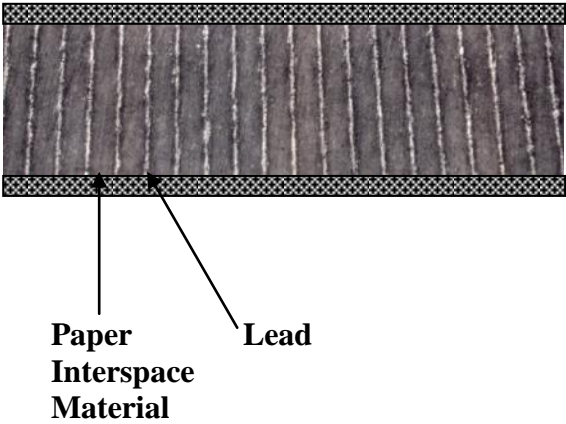
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Grid:

<b>Hazardous</b>  <b>To be Removed</b>	<b>Substances:</b>	<b>Location</b>
	Lead (Pb 99,5%)	Enclosed between coverplates




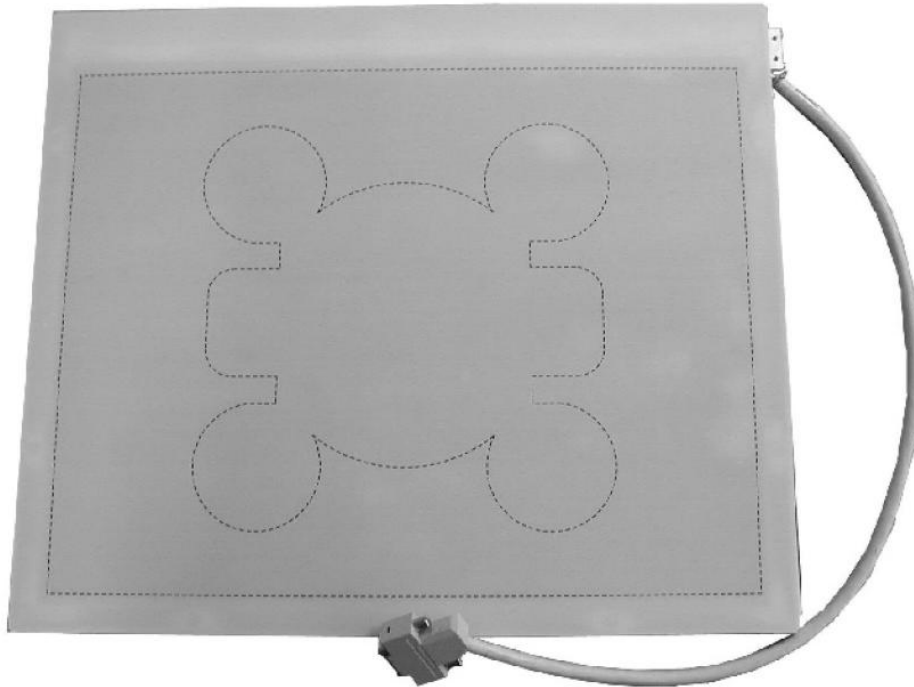
Cross-section of grid:








## Amplimat:

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



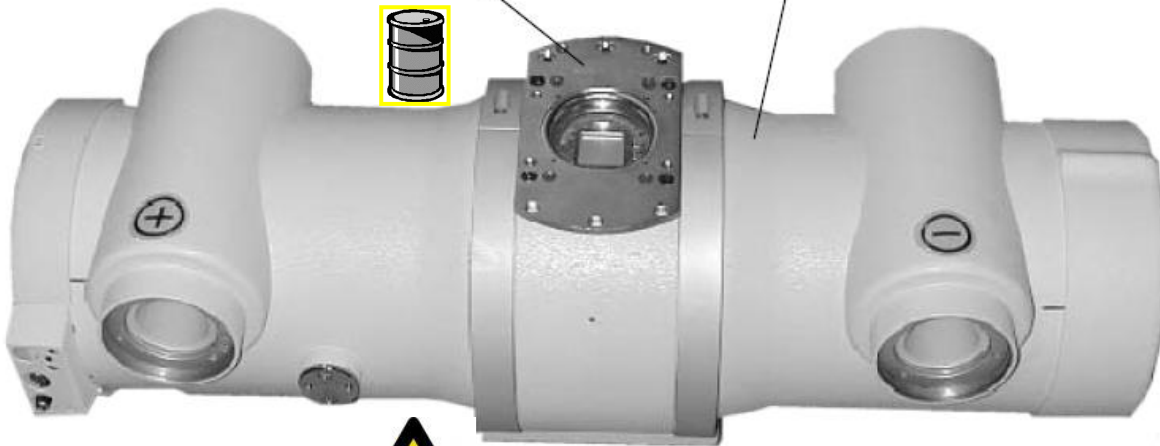
steel, iron	iron, high alloy (>5%)	0,42KG
<b>steel, iron</b>		<b>0,42KG</b>
nonferrous metals and alloys	aluminum, -alloy	0,174KG
<b>nonferrous metals and alloys</b>		<b>0,174KG</b>
plastics / organic substances	thermoplastic	1,47KG
<b>plastics / organic substances</b>		<b>1,47KG</b>
standard parts	cables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

## X-ray tube:

Recycle Info	Items:	Location
<b>Special attention</b> 	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
 <b>To be Removed</b>	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

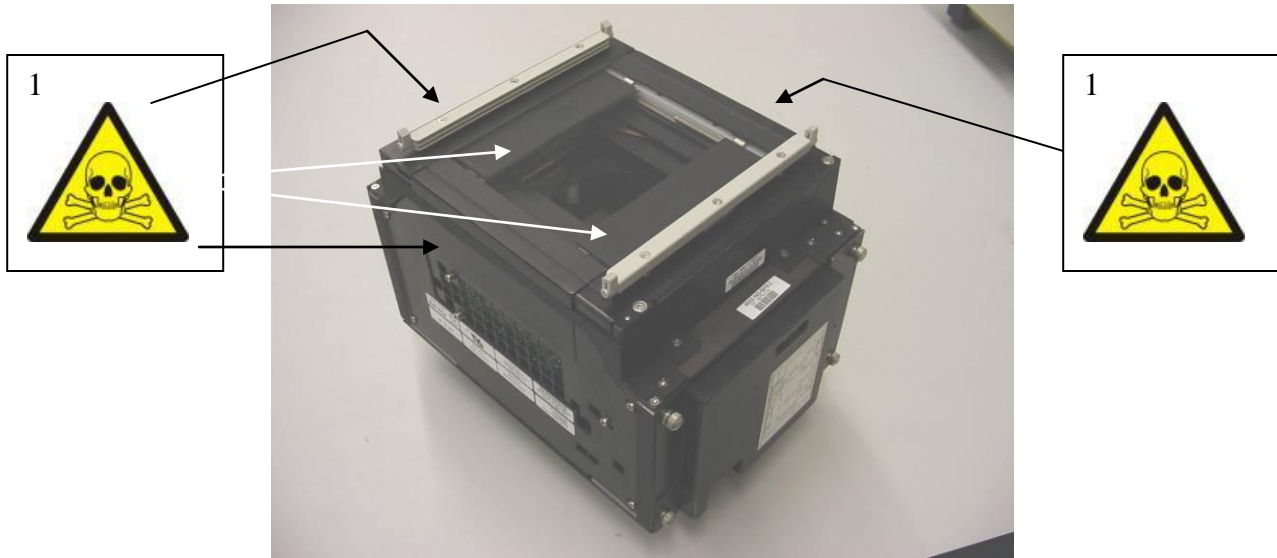


**Vacuum glass tube can implode!**

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






**Collimator:**

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





Electronics:

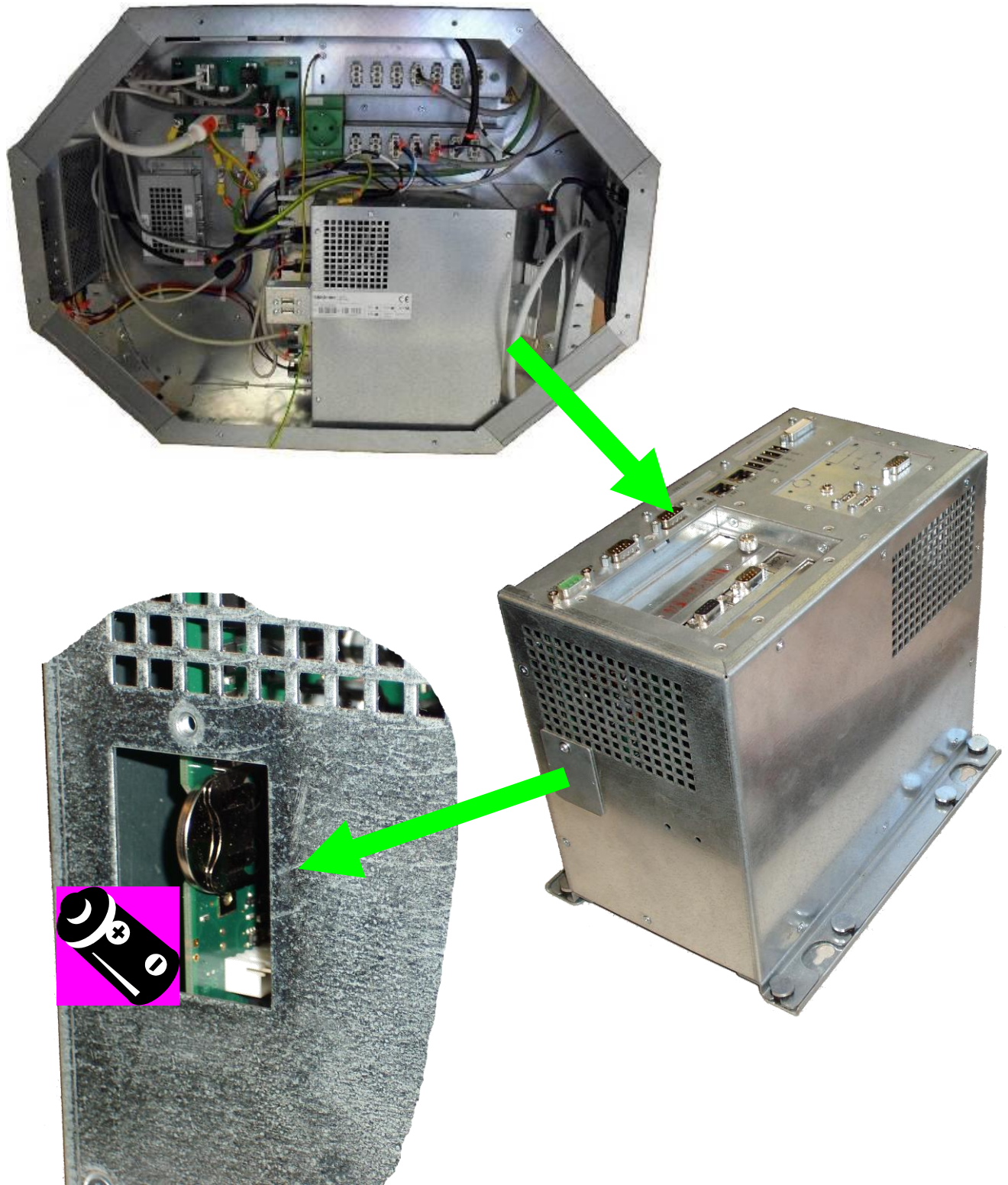
<b>Batteries</b>  <b>To be Removed</b>	<b>Type:</b>	<b>Location</b>
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PersonalComputer” [Philips-indication: Viewforum hardware]) CR2032 3.0V Lithium coin cell of 3.2 gram (“Radisys PersonalComputer” or “Dell PersonalComputer” [Philips-indication: XtraVision hardware]) CR2032 3.0V Lithium coin cell (“V box”)	Inside Dell PC  Inside Radisys or Dell PC  See figure on page 11 
<b>Hazardous</b>  <b>To be Removed</b>	<b>Substances:</b>	<b>Location</b>
	Lead (Pb) is present in the soldering of some PCBs	PCBs (PrintedCircuitBoards)

Example of PCs present:





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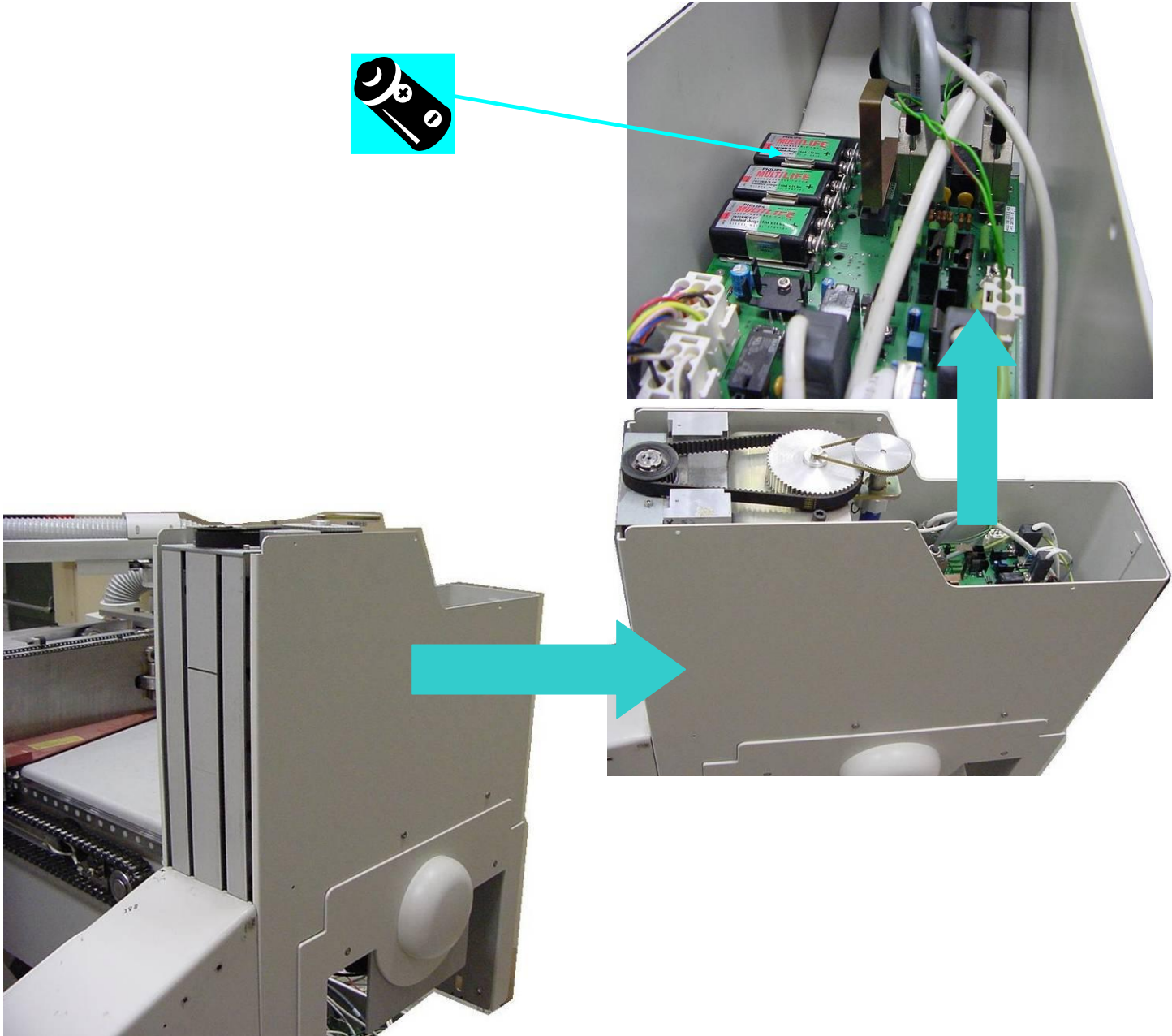


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Table support:

Batteries	Type:	Location
 <p>To be Removed</p>	Battery, 3x NiMH 8,4V [141 grams]	Picture below: 

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## Display screens:

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

### LCD touch screen ELO 1928L/ 4512-201-0494x

<b>Hazardous</b>  <b>To be Removed</b>	<b>Substances:</b>	<b>Location</b>
	Mercury (Hg) is present in the backlight lamps	Backlight lamps



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Metal	1529.6					
Plastic(ABS, PC+ABS)	440.4		1970.0	1.8		
Rubber	1.8					



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Plastic(ABS, PC+ABS)	502.9		502.9			

Subassembly 3 :Front Frame Assembly



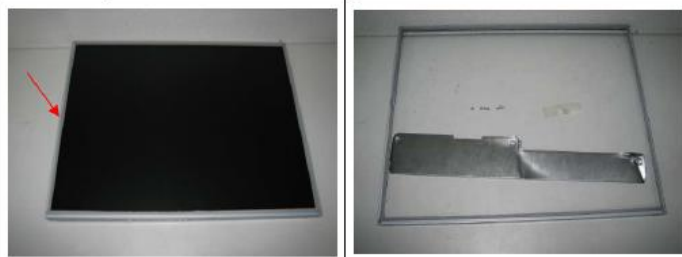
Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Metal	132.6					
Plastic(ABS, PC+ABS)	126.9		1170.0		11.8	
Glass	910.5					
Loss, plastic	11.8					

Subassembly 4 :PCB/Protection cover Assembly



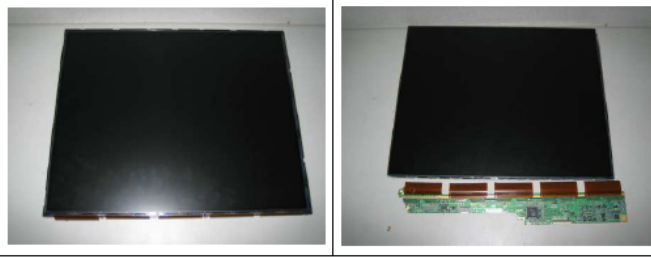
Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Metal	1471.5					
Mixed Metal	114.3					
PVC, PE	19.0					
Polyester	1.0		1585.8	20.4	268.7	
Mixed Plastic	0.4					
Fiberglass	247.9					
Loss, plastic	20.8					

Subassembly 5 :Front metal frame Assembly

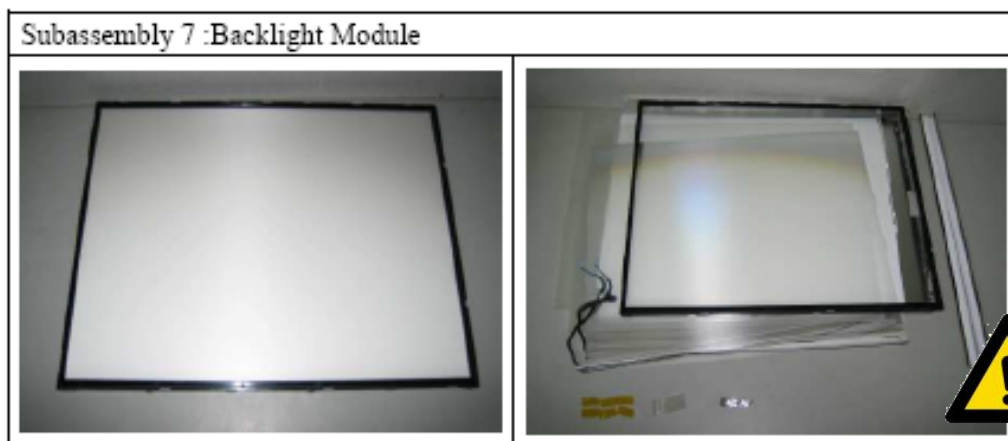


Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Metal	216.6					
Polyester	0.2		216.6	0.2	4.9	
Loss,Plastic	4.9					

Subassembly 6 :LCD Assembly



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Mixed Metal	4.6					
Fiberglass	33.9					
Liquid Crystal Glass	500.8		4.6		534.7	



Mercury  
(Hg)

Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Aluminium	0.1		1583.8	23.6	22.7	
Non-Ferrous Metal	324.0					
Plastic(ABS, PC+ABS)	29.8					
Plastic, PMMA	1140.8					
Optical Membrane, PET	88.6					
Polyester	23.6					
Loss, Metal	2.3					
Loss, Plastic	2.6					
CCFL	17.8					
Mercury						





Subassembly 8 : (US/Canada)Monitor Power Cable



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Mixed Metal	47.4					
PVC,PE	111.3		47.4	111.3		

Subassembly 9 :European Monitor Power Cable



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
PVC,PE	145.0					
Mixed Metal	62.0		62.0	145.0		

Subassembly 12 :Serial Touchscreen Cable



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Mixed Metal	72.7					
PVC,PE	135.2		72.7	135.2		

Subassembly 13: DVI Cable



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
PVC,PE	118.5					
Mixed Metal	79.0		79.0	118.5		

Subassembly 10 :USB Touchscreen Cable



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
PVC,PE	52.2					
Mixed Metal	44.1		44.1	52.2		

Subassembly 11 :Video Cable



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
PVC,PE	126.1					
Mixed Metal	85.0		85.0	126.1		

Subassembly 14: Audio Cable




Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Plastic	21.9					
Mixed Metal	9.4		9.4	21.9		

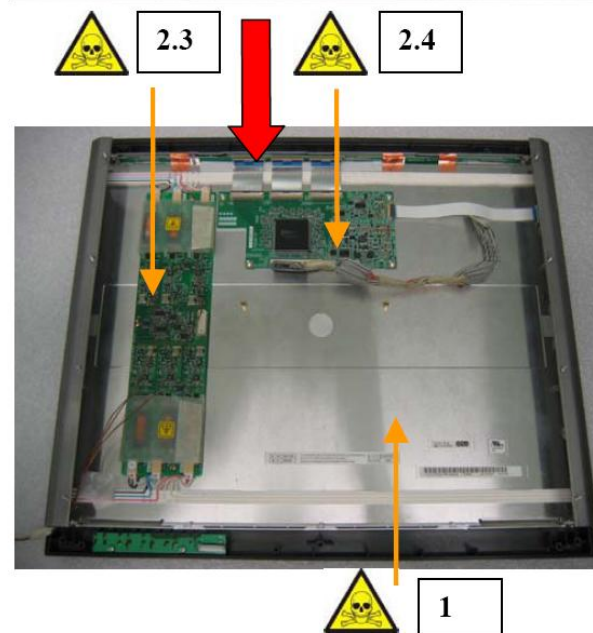
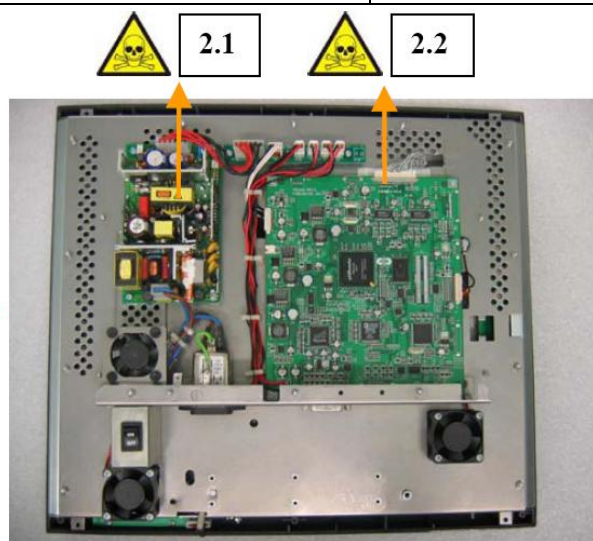
Subassembly 15 :Compact Disc



Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Plastic(ABS, PC+ABS)	13.9					
Plastic Powder with metal coating	1.5		13.9	1.5		

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


<b>Hazardous</b>  <b>To be Removed</b>	<b>Substances:</b>		<b>Location</b>
	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 <sup>6+</sup>	0	
	PBB	0	
	PBDE	0	

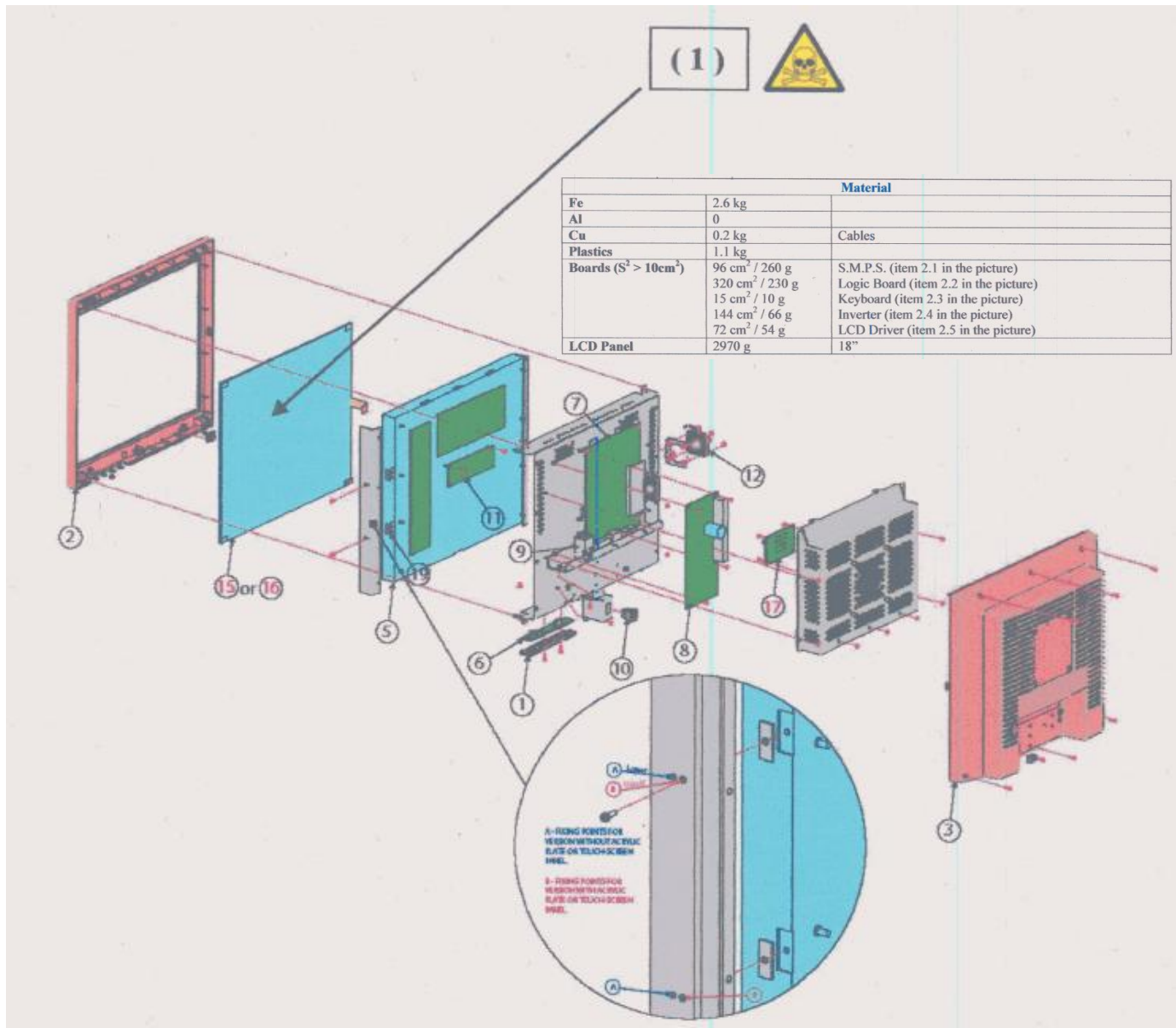


		Material
Fe	6.0 kg	(3.4 kg in the pedestal)
Al	0	
Cu	0.1 kg	Cables
Plastics	1.5 kg	(0.4 kg in the pedestal)
Boards (S <sup>2</sup> > 10cm <sup>2</sup> )	96 cm <sup>2</sup> / 260 g	S.M.P.S. (item 2.1 in the picture)
	320 cm <sup>2</sup> / 230 g	Logic Board (item 2.2 in the picture)
	144 cm <sup>2</sup>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


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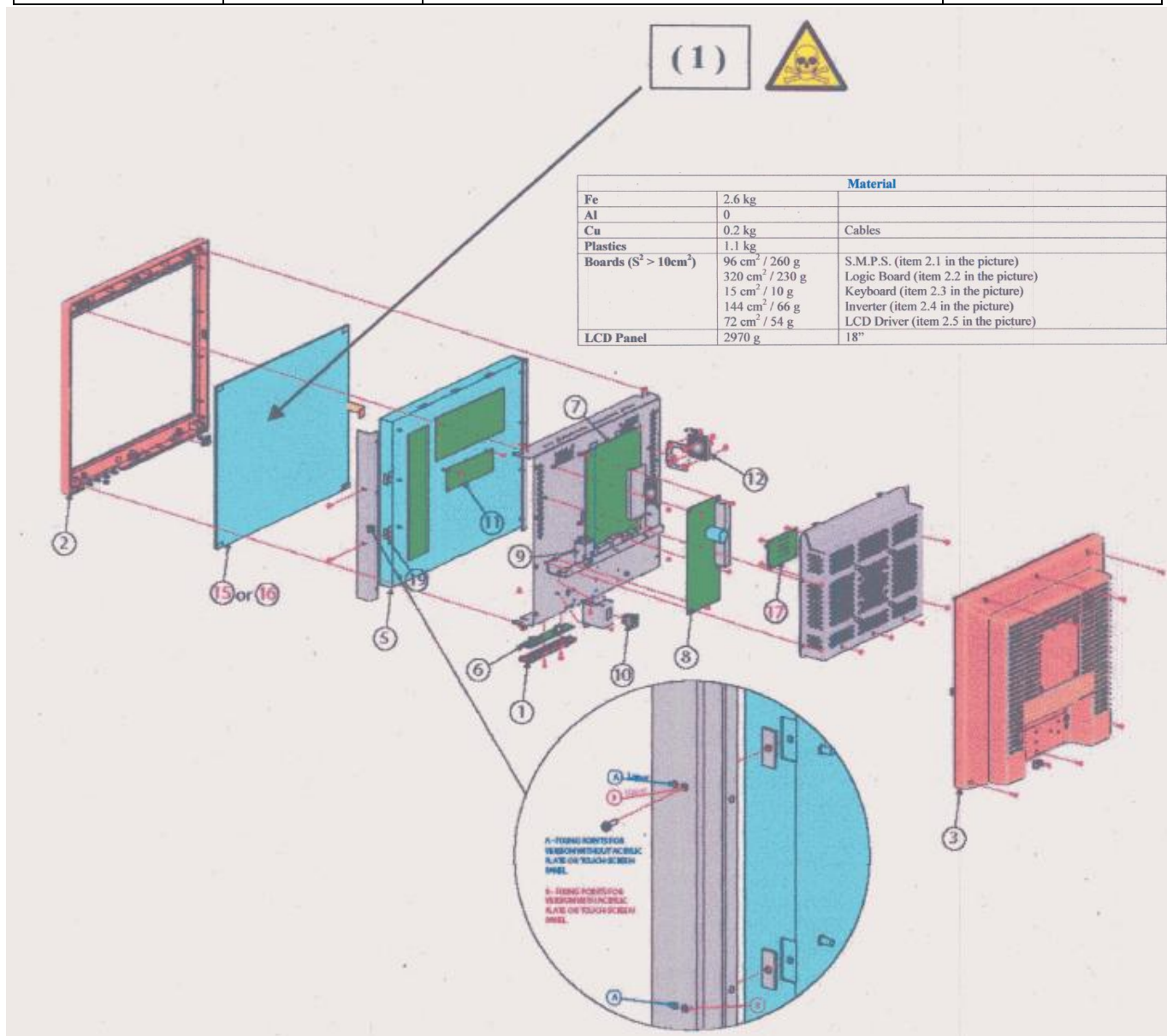
## LCD screen PHILIPS FIMI MML1822-GXR / 9919-320-5136x

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



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

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


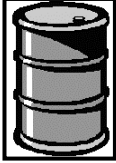







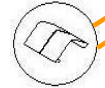
## Cabinets:

**FOLLOWING PAGES PROVIDE INFORMATION ON VARIOUS CABINETS POSSIBLY PRESENT IN THE SYSTEM. There are no specific recycling requirements for cabinets that are not described here.**

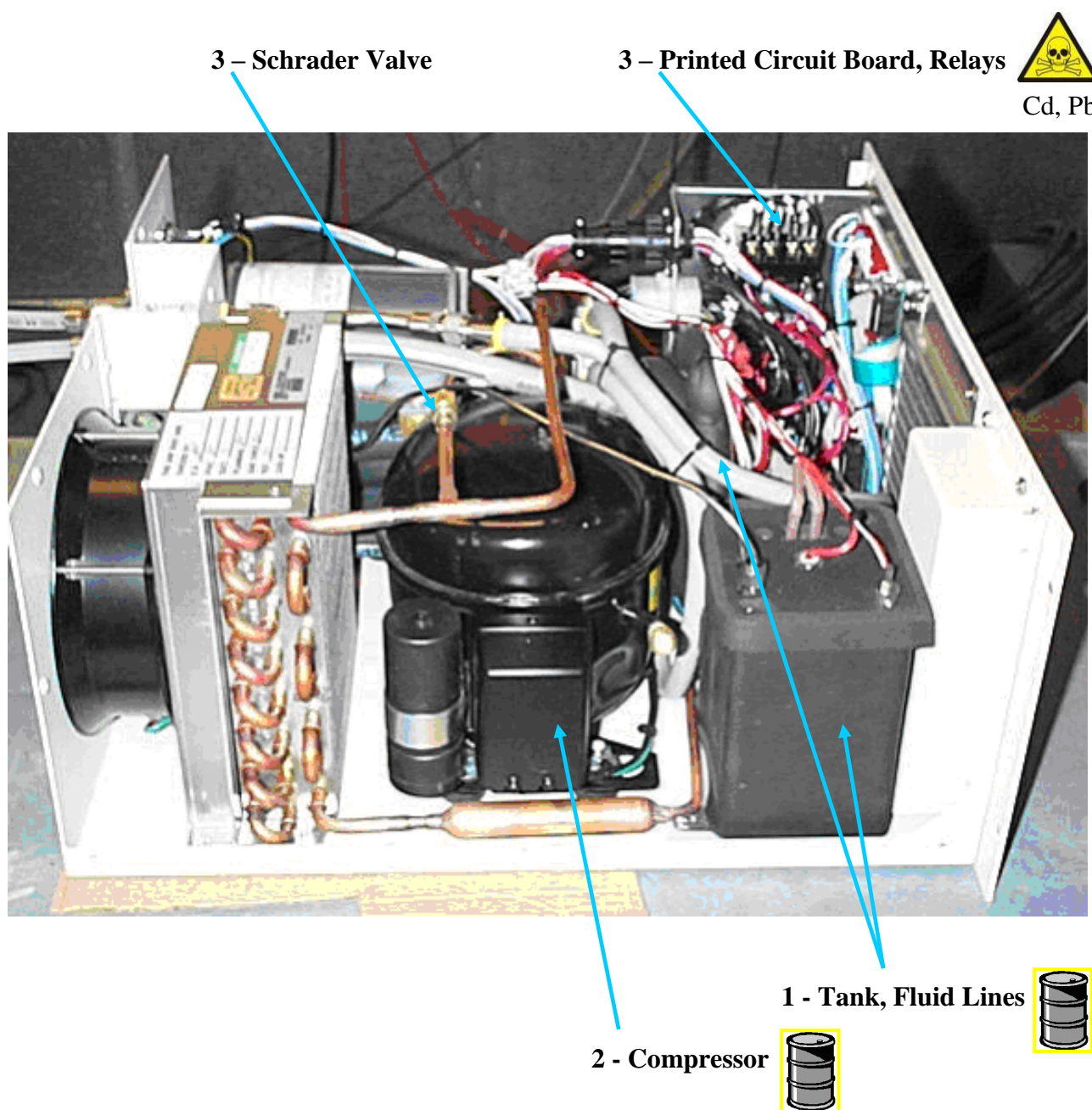
### DI1 I-CABINET FD, 9896 010 3310x, 9896 010 4360x (with MD3D option)

Recycle Info	Items:	Location
<b>Special attention</b> 	Refrigeration Gases must be evacuated/recovered	Compressor (2); see figure page 21
<b>Fluids / Gases</b> 	<b>Items:</b> Glycoshell SF50 Refrigeration Gas (R-134a) and Oil (Polyolester)	<b>Location</b> Tank, Fluid Lines (1); see figure page 21 Compressor and Refrigeration Lines (2); see figure page 21
<b>Batteries</b> 	<b>Type:</b> 3x CR2032 3.0V Lithium coin cell	<b>Location</b> See next figure 
<b>To be Removed</b>		
<b>Hazardous</b> 	<b>Substances:</b> 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)	<b>Location</b> See next figure PCB, Relays Schrader Valve (3); see figure page 21 Relays (3); see figure page 21
<b>To be Removed</b>		




Battery on PCB, slot SBC

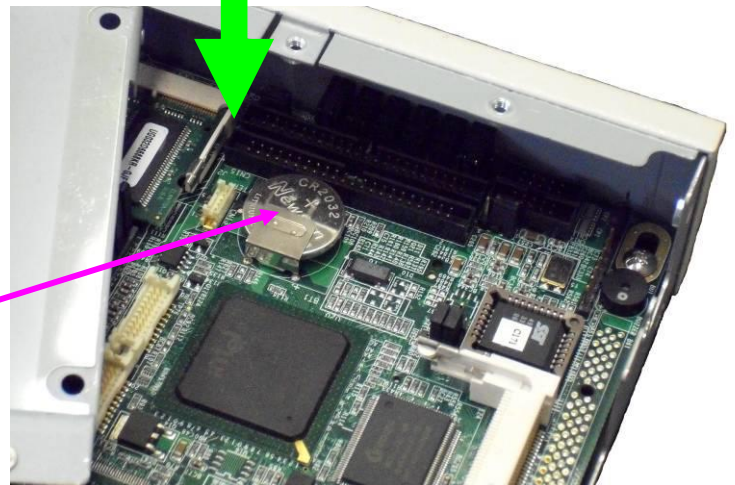
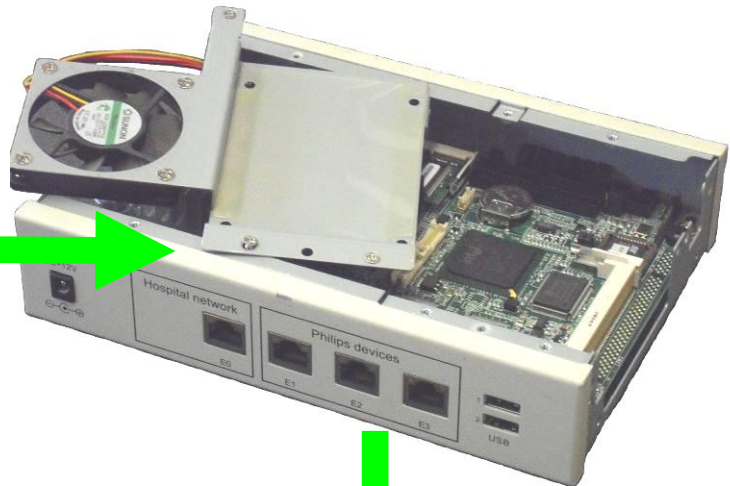






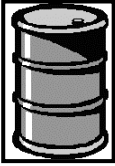


## M-CABINET MD Eleva, 9896 001 4420x

<b>Batteries</b> 	<b>Type:</b> 1x CR2032 3.0V Lithium coin cell	<b>Location</b> Next picture: 
<b>To be Removed</b>		
<b>Hazardous</b> 	<b>Substances:</b> Pb is present in the soldering process of some PCBs	<b>Location</b>
<b>To be Removed</b>		



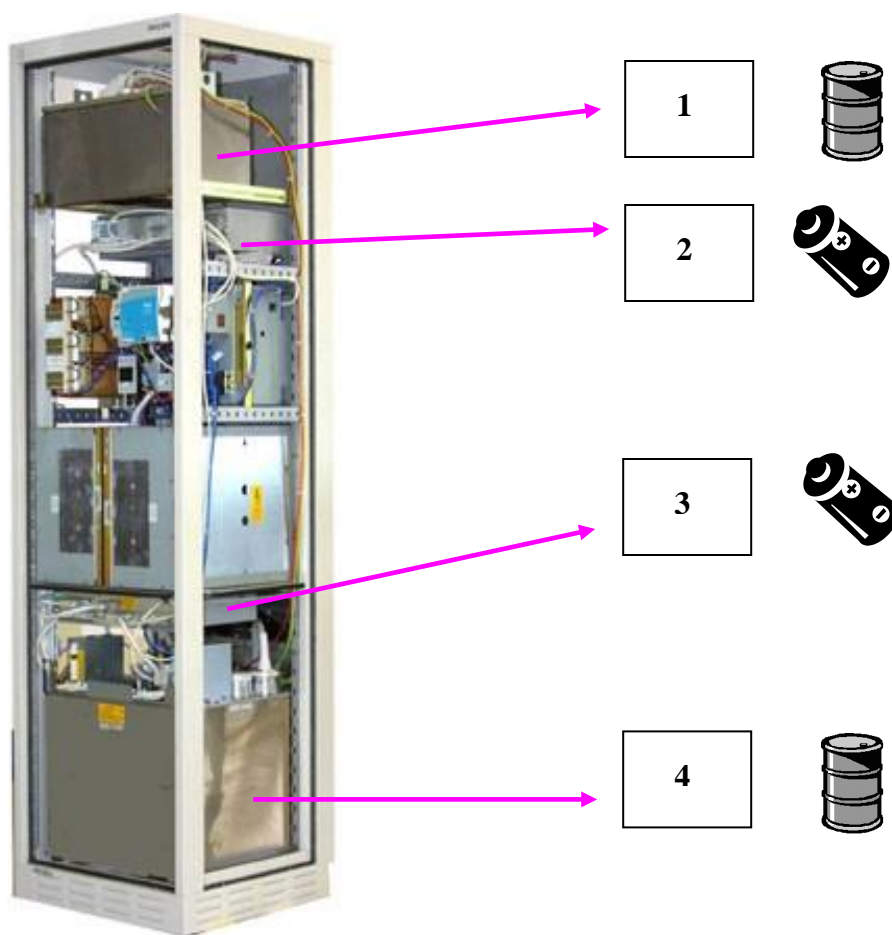
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## Velara 2T GCF 480V, 9890 000 7030x

Recycle Info	Items:	Location
<b>Fluids / Gases</b> 	Transformer oil, type: Shell Diala (This High Voltage-transformer oil contains no PCBs)	See next figure (1) & (4)
<b>Batteries</b> 	<b>Items:</b> Lithium chrome cell, 3V Lithium chrome cell, 3V	<b>Location</b> See next figure (2) See next figure (3)
<b>Hazardous</b> 	<b>Substances:</b> Pb is present in the soldering process of some PCBs	<b>Location</b>


steel, iron	iron, low alloy (<5%)	136,263	KG
	iron, high alloy (>5%)	5,674	KG
<b>steel, iron</b>		<b>141,937</b>	<b>KG</b>
nonferrous metals and alloys	aluminum, -alloy	12,655	KG
	copper, -alloy	5,075	KG
	zinc, -alloy	1,652	KG
<b>nonferrous metals and alloys</b>		<b>19,382</b>	<b>KG</b>
glass / ceramics	glass	0,288	KG
<b>glass / ceramics</b>		<b>0,288</b>	<b>KG</b>
plastics / organic substances	oil	64,06	KG
	thermoplastic	6,524	KG
	thermoset	4,505	KG
	elastomer	0,247	KG
<b>plastics / organic substances</b>		<b>75,336</b>	<b>KG</b>
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
<b>standard parts</b>		<b>77,824</b>	<b>KG</b>
<b>TOTAL</b>		<b>314,767</b>	<b>KG</b>

Title: Recycling Passport MD Eleva 708-037 (MultiDiagnost Flat Detector)  
DocID: XDR054-090563





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

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

