

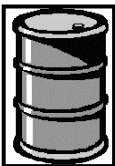







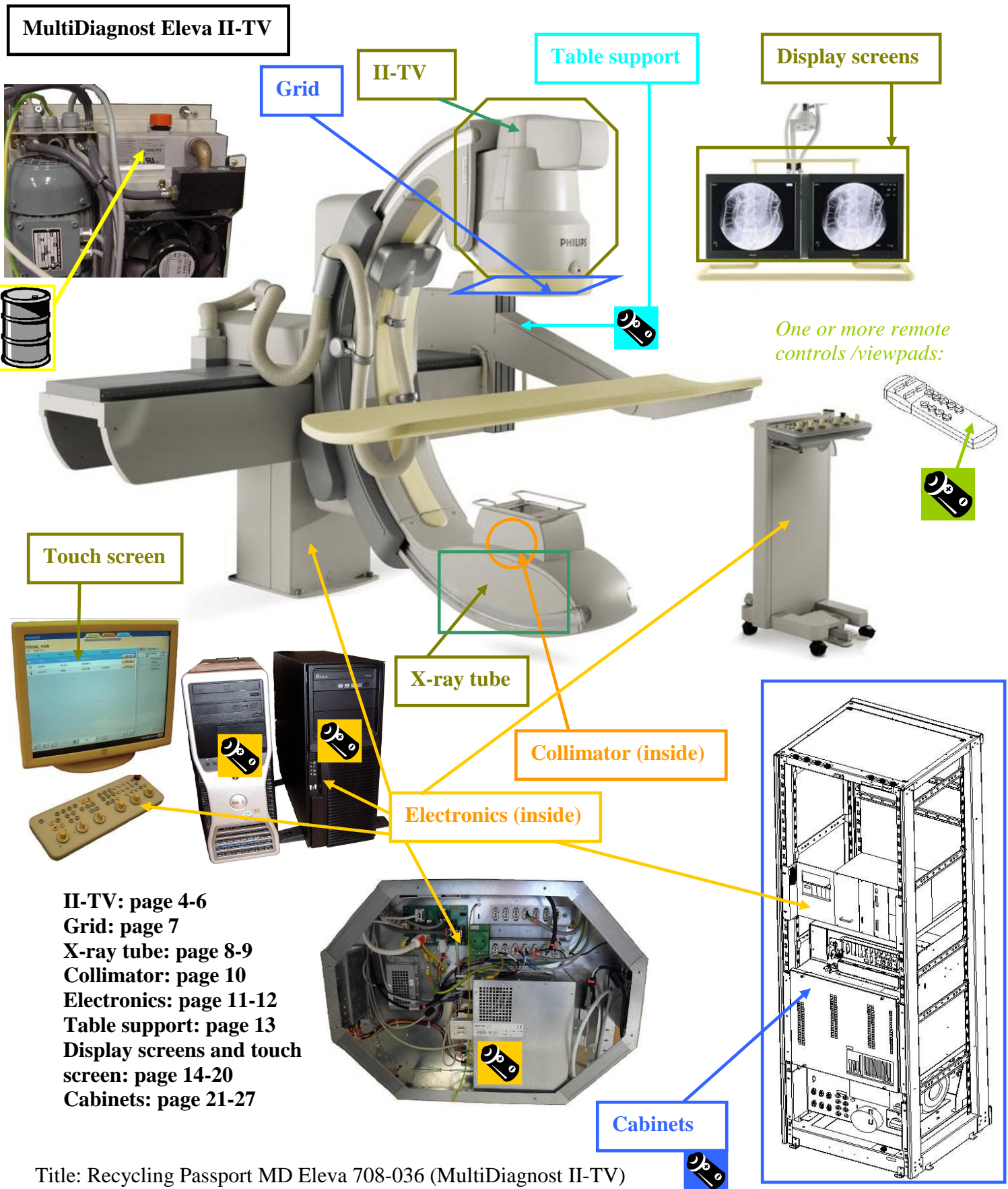
Product name:	MD Eleva (MultiDiagnost II-TV version)	
Identification code	708-036	
Total weight (in Kg)	2410 kg (approximately; dependent on specific configuration)	
Producer/ Manufacturer	Name company:	Philips Medical Systems
	Address:	Veenpluis 6
	Zip code:	5684 PC Best
	Country:	Netherlands
	Electronic 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! 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 8-9)
	<ul style="list-style-type: none"> Refrigeration gases must be evacuated/recovered 	Cabinets (page 21-27)
Fluids / Gases	Items:	Location
	<ul style="list-style-type: none"> Cooling liquid Glycoshell SF50 	Cooling unit (page 3) 
	<ul style="list-style-type: none"> Transformer oil, type: Shell Diala 	Cabinets (page 21-27)
	<ul style="list-style-type: none"> Oil 	X-ray tube (page 8-9)
Batteries	Type:	Location
 To be Removed	Battery, 4x alkaline 1,5V [44 grams] (per “remote control/viewpad”)	 (page 3)
	Battery, 3x NiMH 8,4V [141 grams]	 (page 3, 13)
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PC”)	Electronics (page 11-12)
	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PC” or “Radisys PC”)	Electronics (page 11-12)



	CR2032 3.0V Lithium coin cell ("V box")	Electronics (page 11-12)
	1x CR2032 3.0V Lithium coin cell	Cabinets (page 21-27)
	1x CR2032 3.0V Lithium coin cell	Cabinets (page 21-27)
	Lithium chrome cell, 3V (2x)	Cabinets (page 21-27)
Hazardous  To be Removed	Substances:	Location
	Lead (Pb) for X-ray shielding	II-TV (page 4-6) Grid (page 7) X-ray tube (page 8-9) Collimator (page 10)
	Lead (Pb) for soldering	Electronics (page 11-12) Display screens (page 14-20) Cabinets (page 21-27) II-TV electronics (page 6)
	Beryllium Copper (BeCu) contact springs	II-TV electronics (page 6) Cabinets (page 21-27)
	Cadmium (Cd) + Beryllium Oxide (BeO) inside the II-Insert on the glass output window	II-TV (page 4-6)
	Mercury (Hg) in LCD screens	LCD screens (page 14-20)

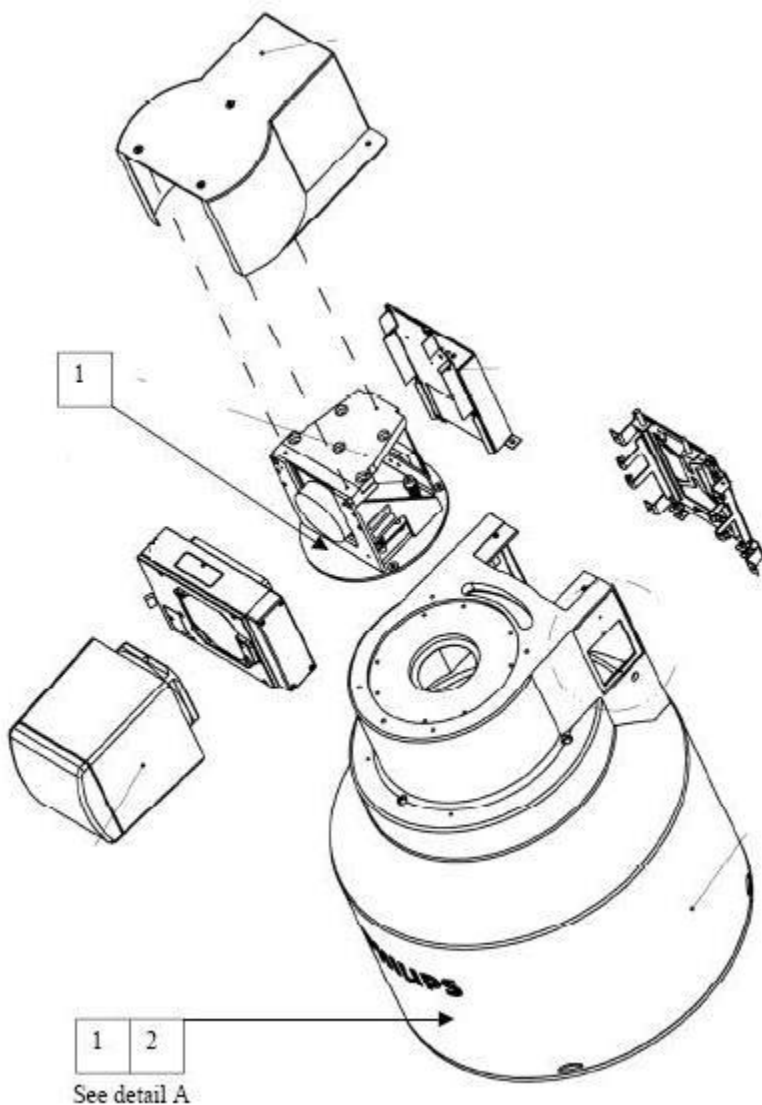
Note: to facilitate recycling, all plastic parts weighing > 50 grams are marked according to ISO11469 & ISO1043.

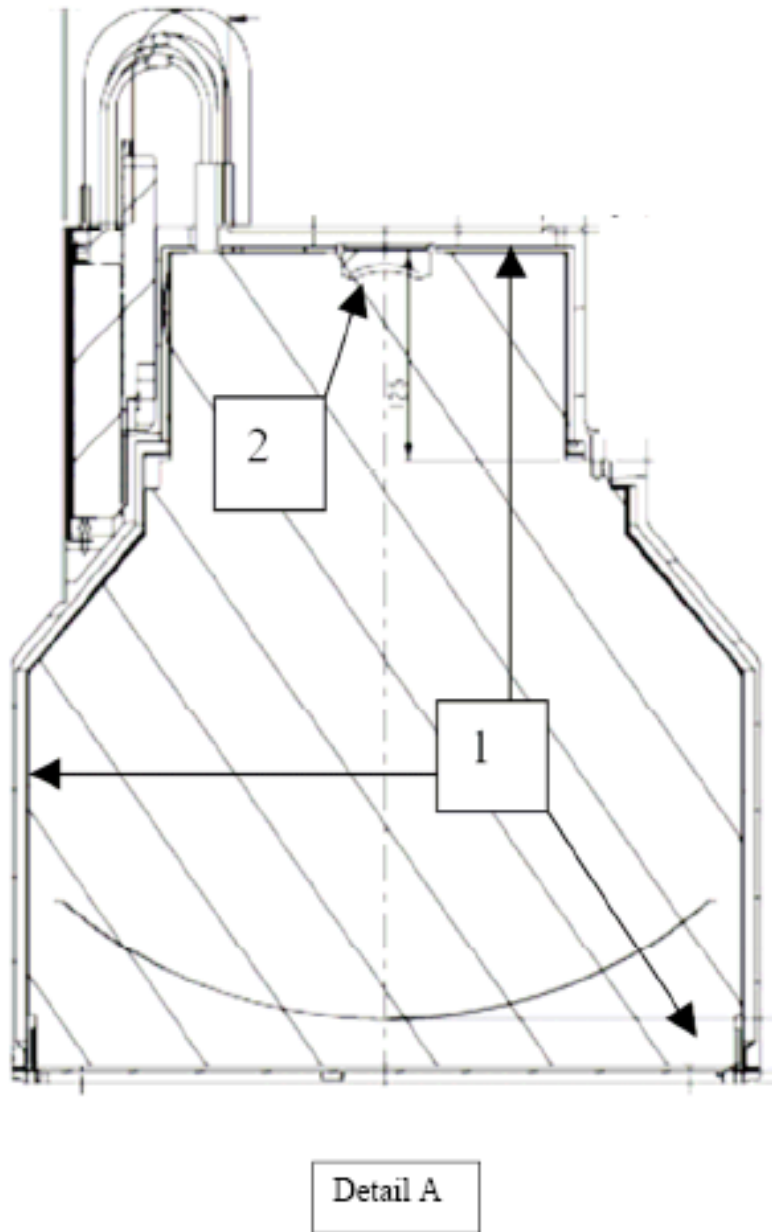
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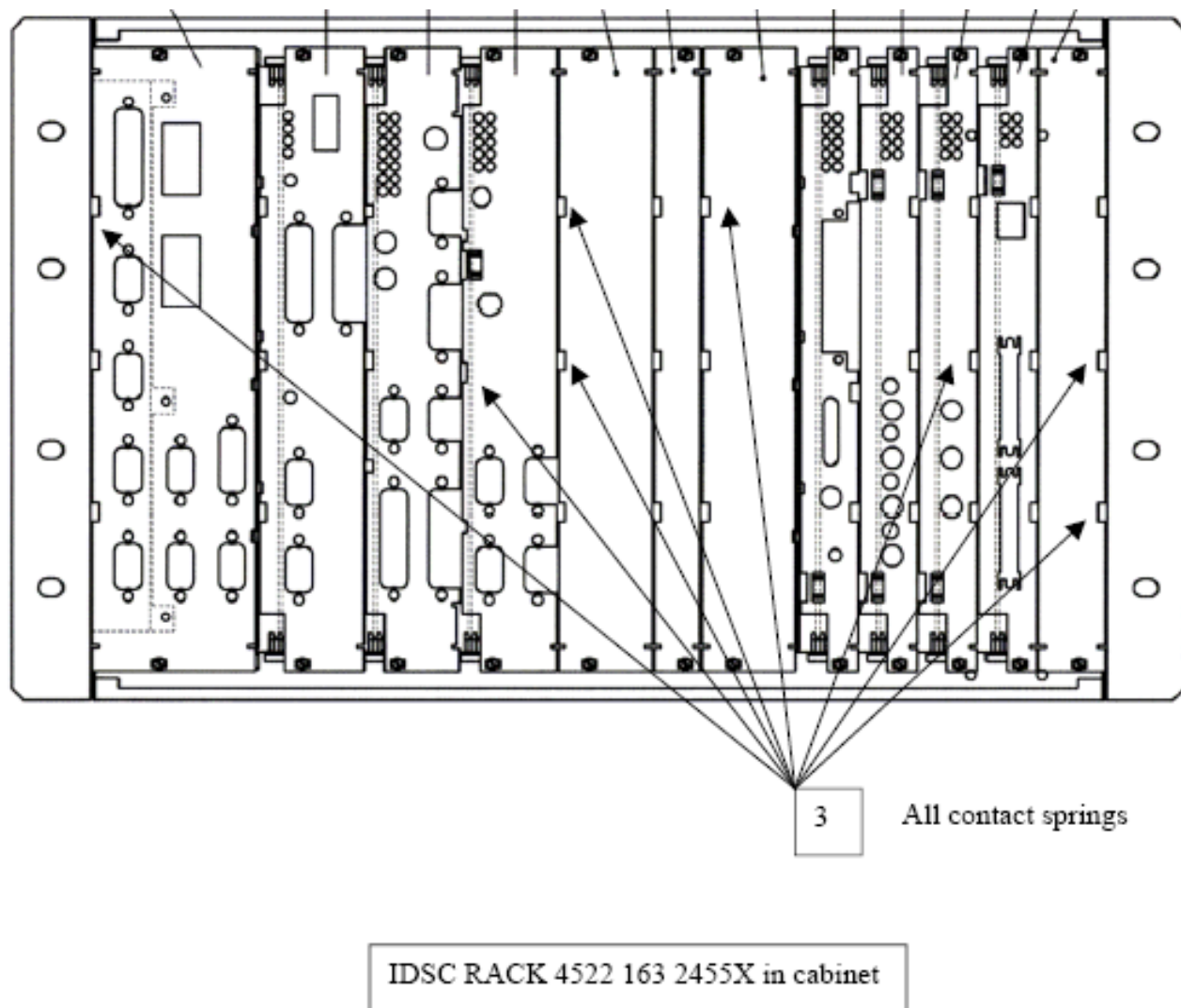


38cm II-TV:


Recycle Info	Items:	Location
Special attention 	Before dismantling the vacuum II-Insert, drill a small hole to let air in the insert	
Hazardous  To be Removed	Substances:	Location
	Lead (Pb)	1, page 4-5
	Cadmium (Cd) + Beryllium Oxide (BeO) inside the II-Insert on the glass output window.	2, page 4-5
	Beryllium Copper (BeCu) contact springs	3, page 6
	Pb is present in the soldering process of some PCBs	







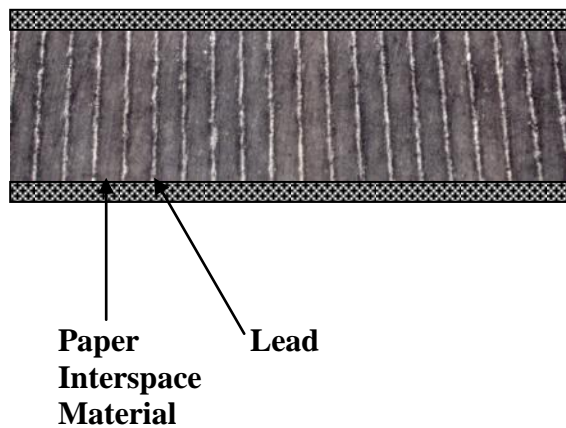
Grid:

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






Example larger and smaller grid (only 1 present in system)

Cross-section of grid:

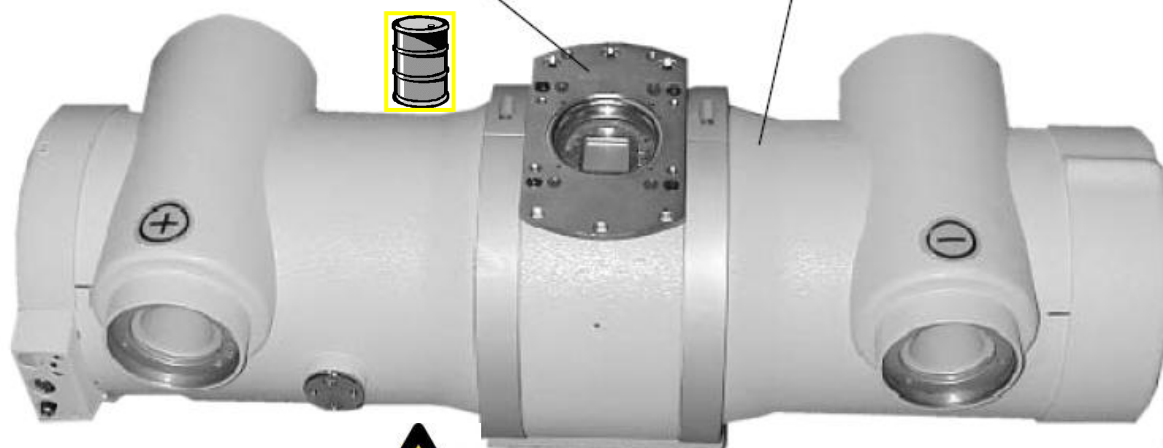


X-ray tube SRM 0608 ROT-GS505 / 9890-000-8518x

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

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X-ray tube SRO33100-R.351,0-3/90,150 / 9890-000-8585x

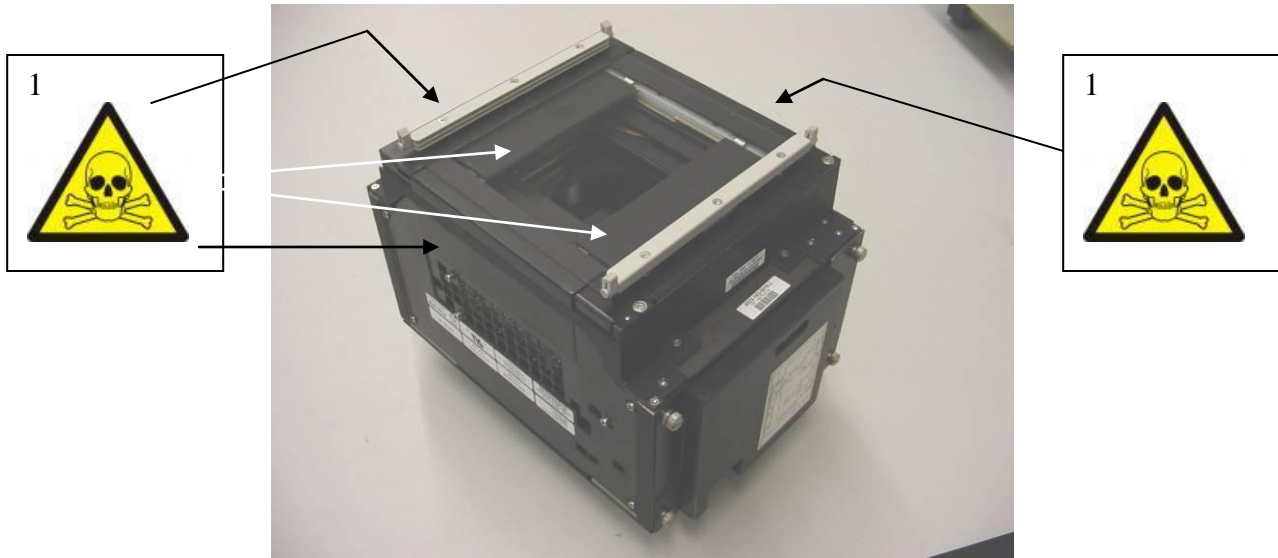
Recycle Info	Items:	Location
Special attention 	Vacuum glass tube can implode!	X-ray tube
Fluids / Gases	Items:	Location
	Oil: 3,5 kg HV-transformer oil contains no PCBs	
Hazardous	Substances:	Location
 To be Removed	Lead as x-ray shielding inside housing: 5,1 kg	Figure below








steel, iron	iron, low alloy (<5%)	2,86KG
	iron, high alloy (>5%)	0,2KG
steel, iron		3,06KG
nonferrous metals and alloys	aluminium and -alloys	4,3KG
	copper and -alloys	2,2KG
	molybdenum and -alloys	0,5KG
nonferrous metals and alloys		7KG
glass / ceramics	glass	0,2KG
glass / ceramics		0,2KG
plastics / organic substances	oil	3,5KG
	thermoset	1,9KG
	elastomer	0,1KG
plastics / organic substances		5,5KG
relevant materials	lead and -alloys	5,1KG
	cobalt and -alloys	0,24KG
	tungsten and -alloys	0,08KG
relevant materials		5,42KG

Collimator:

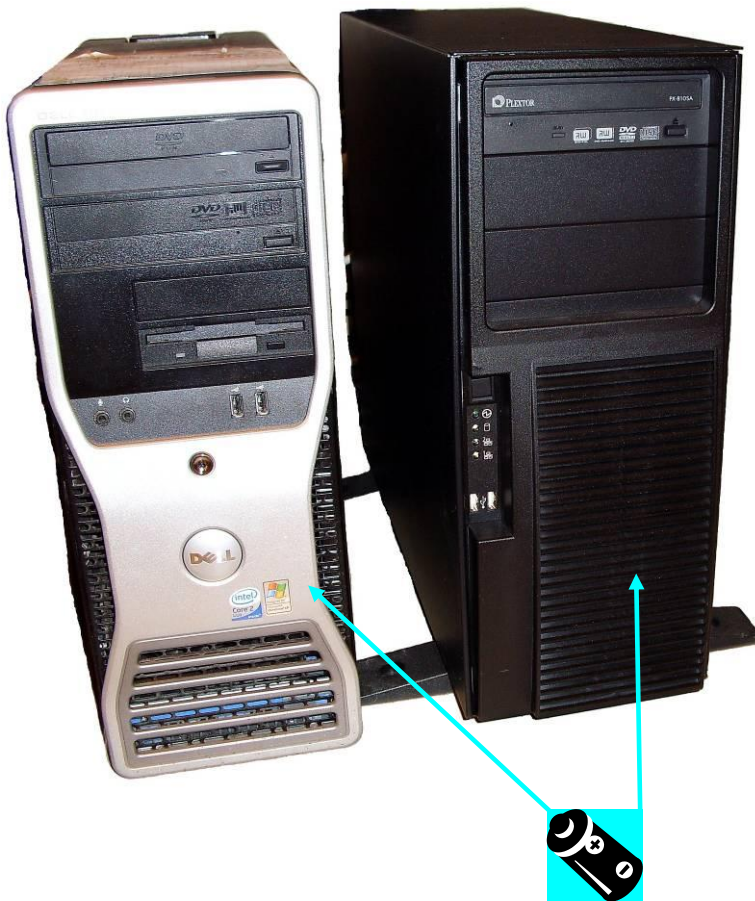
Hazardous  To be Removed	Substances:	Location
	Lead (Pb 99,5%); 3.7 – 4.1 kg; glued to several parts in the collimator	1; see next picture



Electronics:

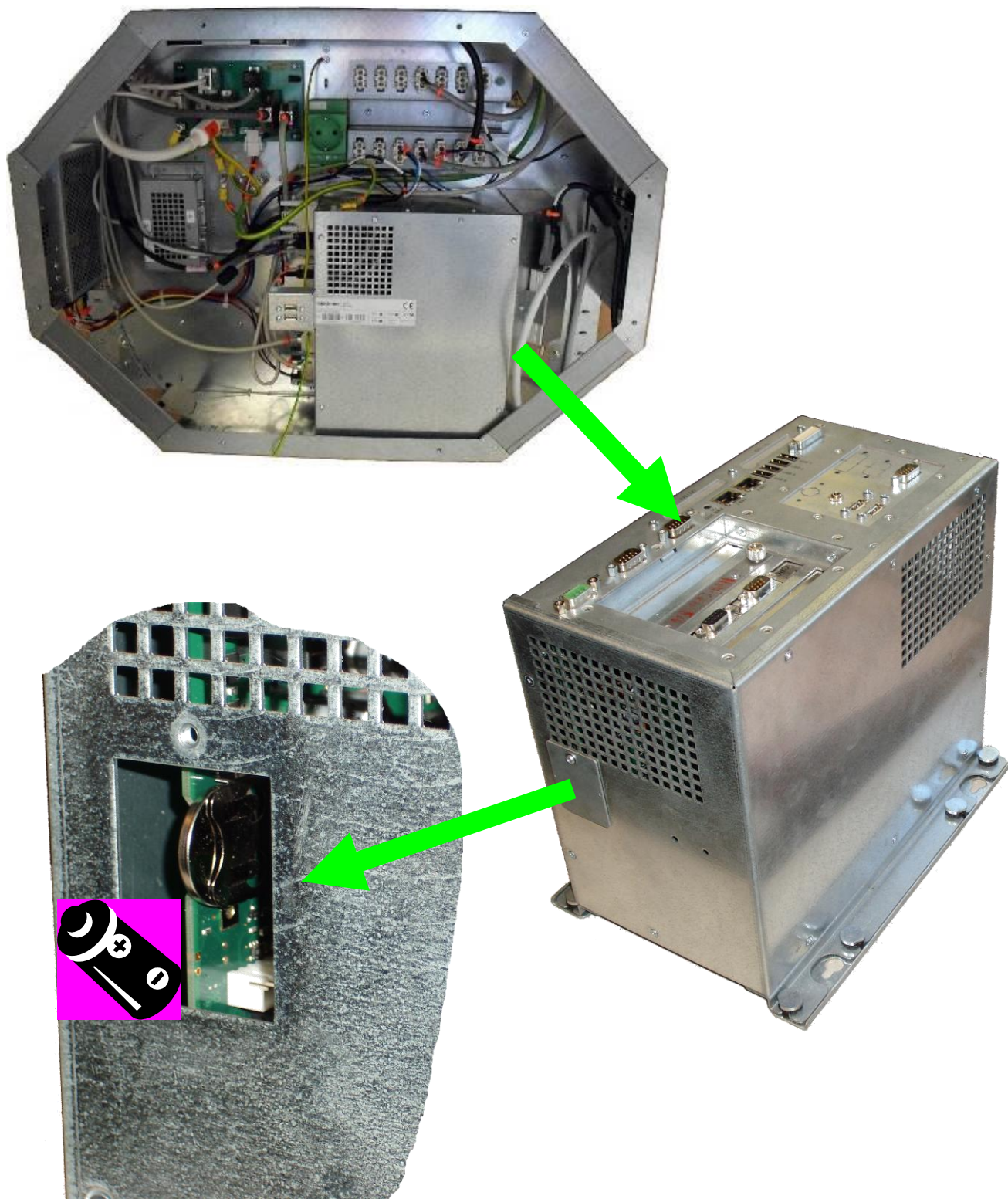
Batteries	Type:	Location
 To be Removed	CR2032 3.0V Lithium coin cell of 3.2 gram (“Dell PersonalComputer” [Philips-indication: Viewforum hardware]) CR2032 3.0V Lithium coin cell of 3.2 gram (“Radisys PersonalComputer” or “Dell PersonalComputer” [Philips-indication: XtraVision hardware]) CR2032 3.0V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

Example of PCs present:





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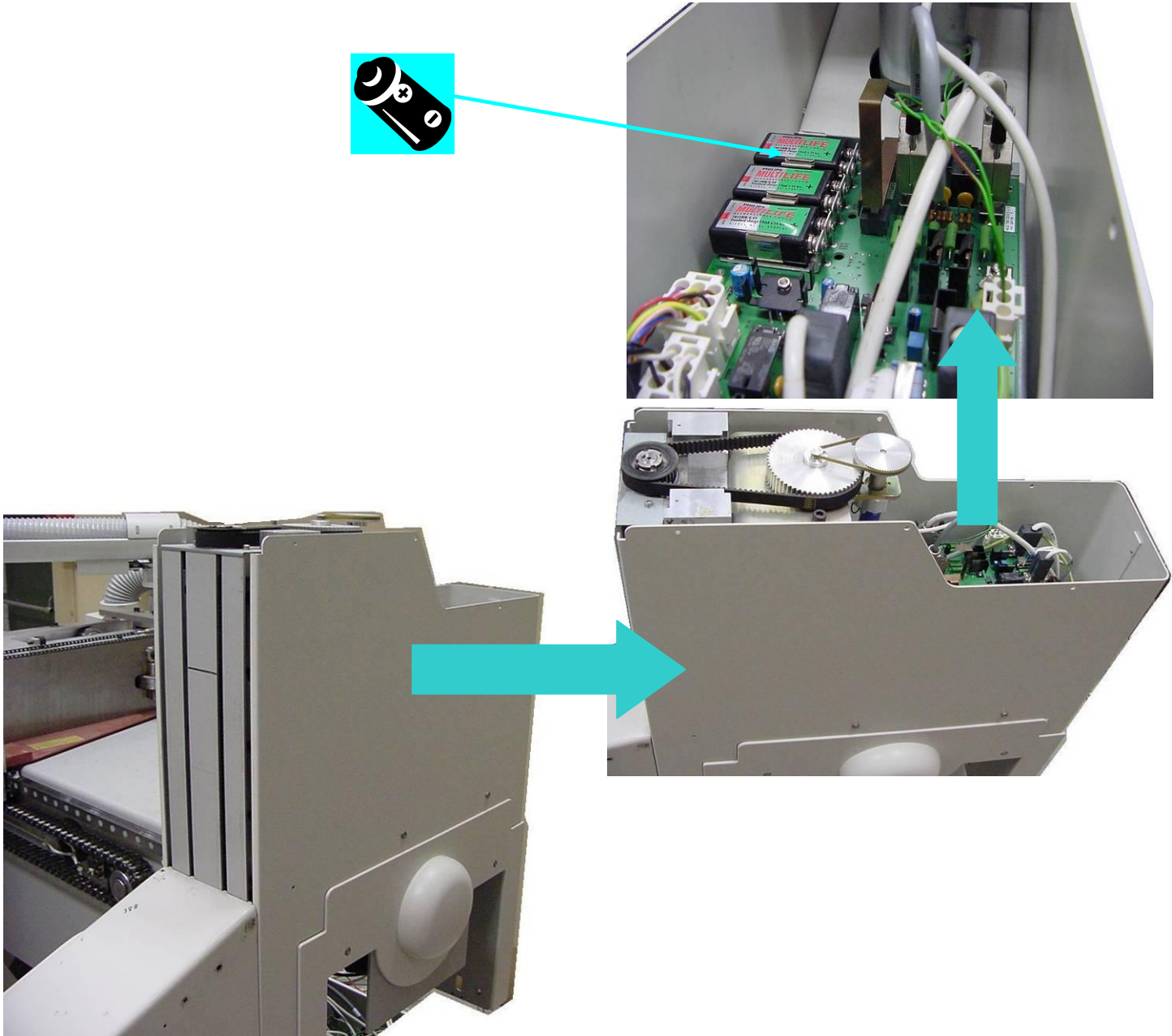


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Table support:

Batteries	Type:	Location
<div data-bbox="193 327 321 453"></div> <div data-bbox="160 485 375 516">To be Removed</div>	<div data-bbox="415 312 846 344">Battery, 3x NiMH 8,4V [141 grams]</div>	<div data-bbox="1230 312 1390 340">Picture below:</div> <div data-bbox="1243 348 1308 411"></div>


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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

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

Subassembly 1 :Seat Assembly



Subassembly 2 : Rear cover Assembly



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

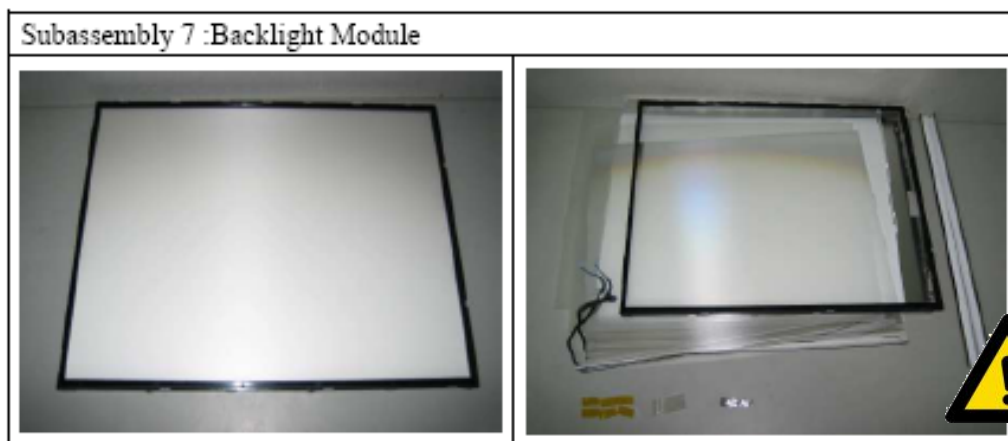


Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Metal	216.6					
Polyester	0.2		216.6	0.2	4.9	
Loss,Plastic	4.9					

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						





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		



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		



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		



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		



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		



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		




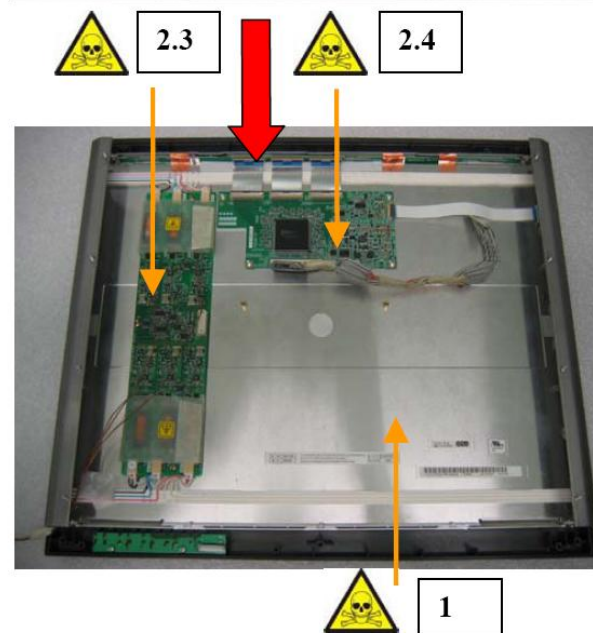
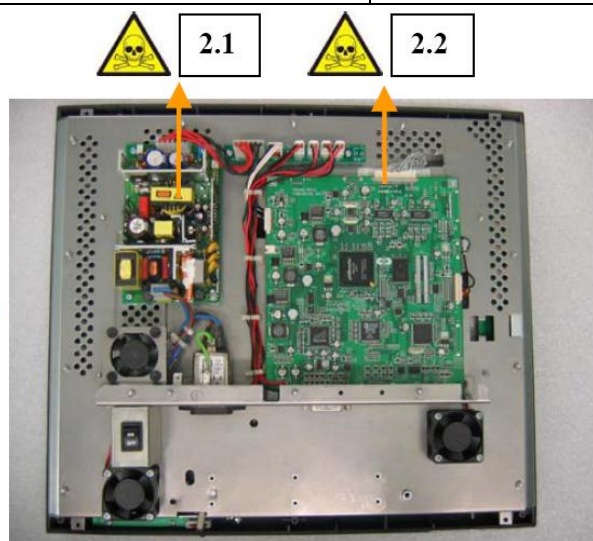
Material components	Total weight(g)	Recoverable material weight(g)			Disposal only material(g)	Remark
		Reusable	Recyclable	Heat recoverable		
Plastic	21.9					
Mixed Metal	9.4		9.4	21.9		



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


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	

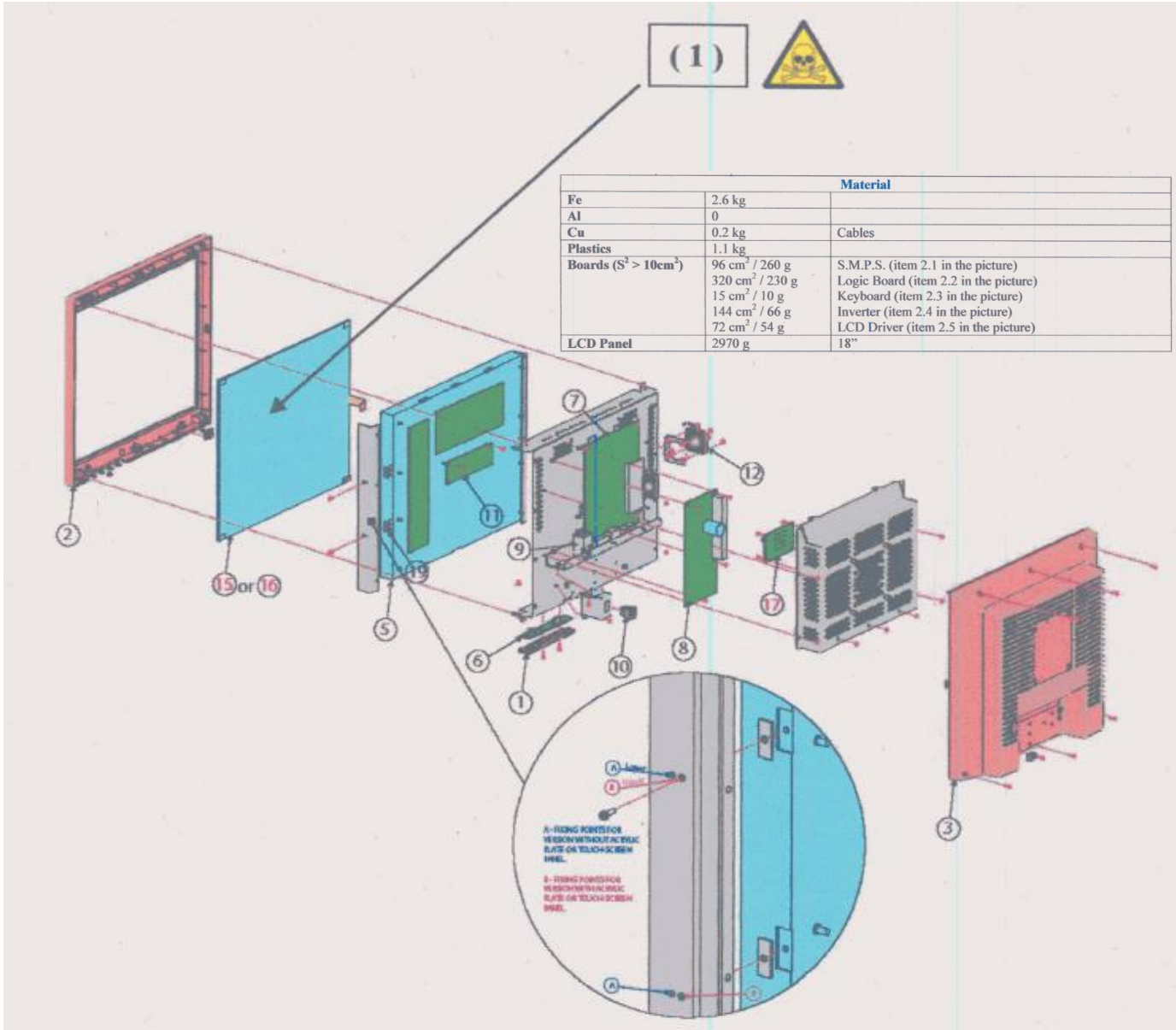


		Material
Fe	6.0 kg	(3.4 kg in the pedestal)
Al	0	
Cu	0.1 kg	Cables
Plastics	1.5 kg	(0.4 kg in the pedestal)
Boards (S ² > 10cm ²)	96 cm ² / 260 g	S.M.P.S. (item 2.1 in the picture)
	320 cm ² / 230 g	Logic Board (item 2.2 in the picture)
	144 cm ² / 66 g	Inverter (item 2.3 in the picture)
	72 cm ² / 54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

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

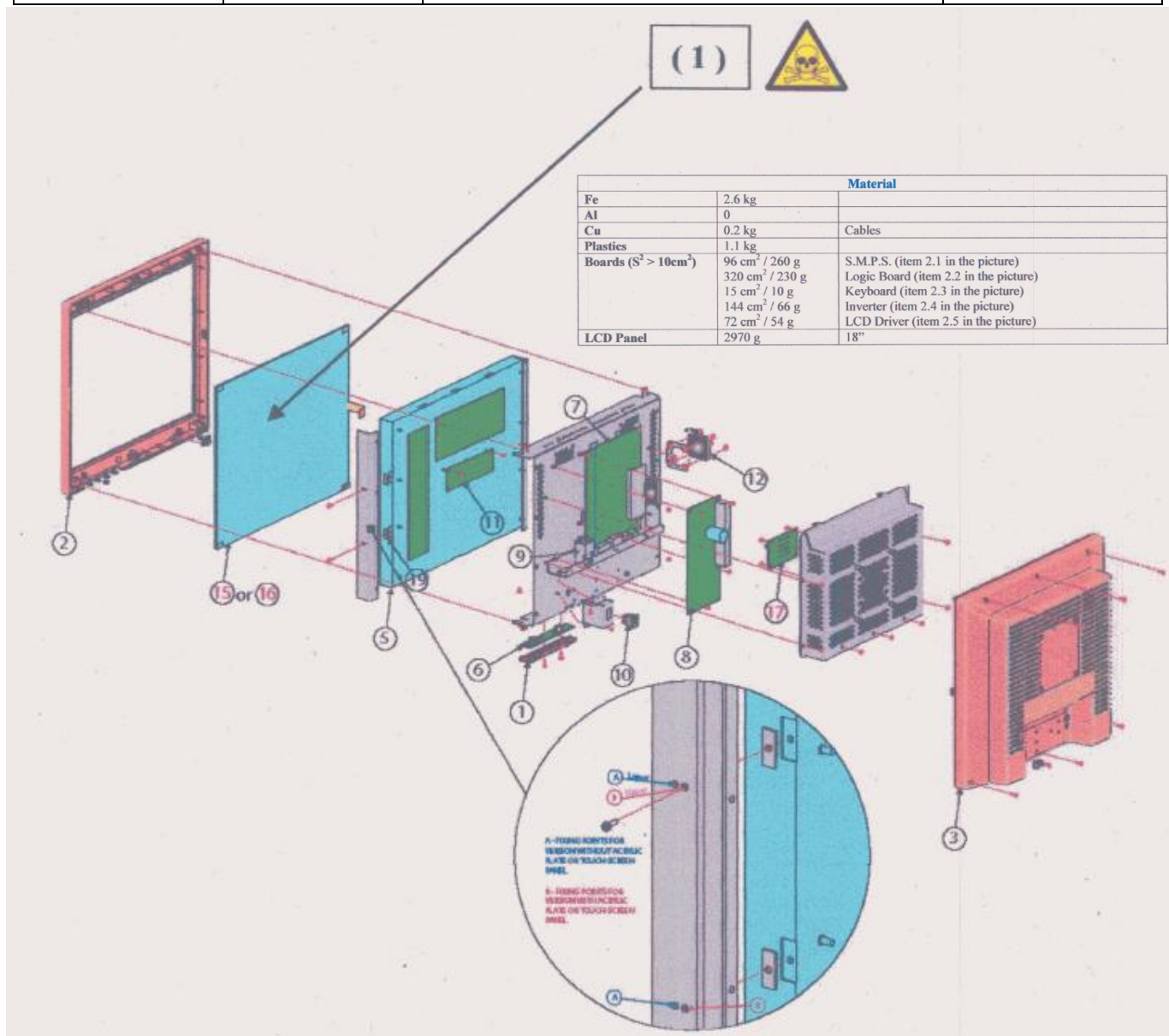
<div style="text-align: center;">  </div>	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (Mercury is present in the backlight lamps: 3.5 mg x 6 lamps)	Next figure (1)
	Pb	0	
	Cr ⁶⁺	0	
	PBB	0	
	PBDE	0	



Title: Recycling Passport MD Eleva 708-036 (MultiDiagnost II-TV)
DocID: XDR054-090562

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 ⁶⁺	0	
	PBB	0	
	PBDE	0	

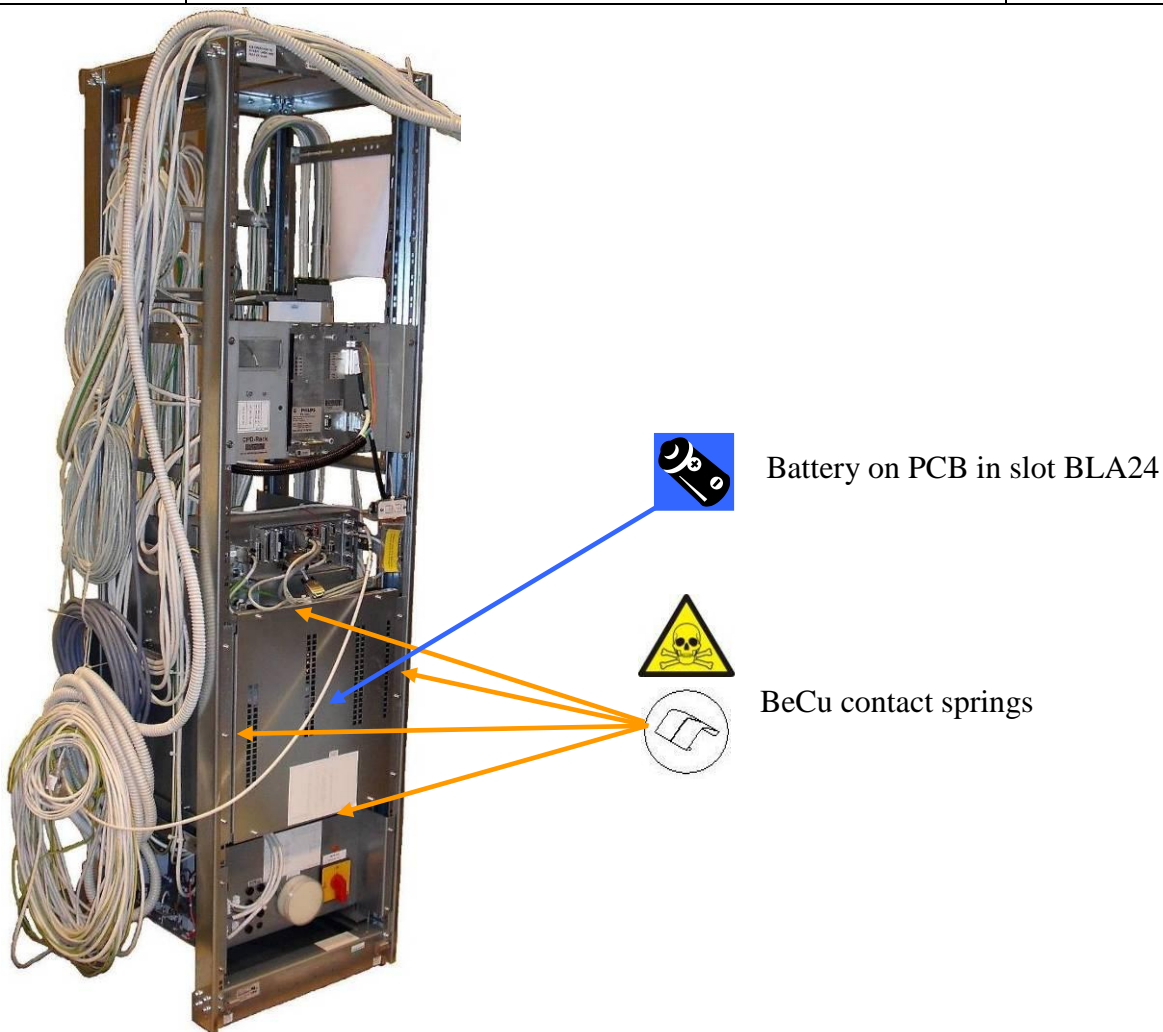


Cabinets:

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




DI2 I-CABINET, 0744-504-001

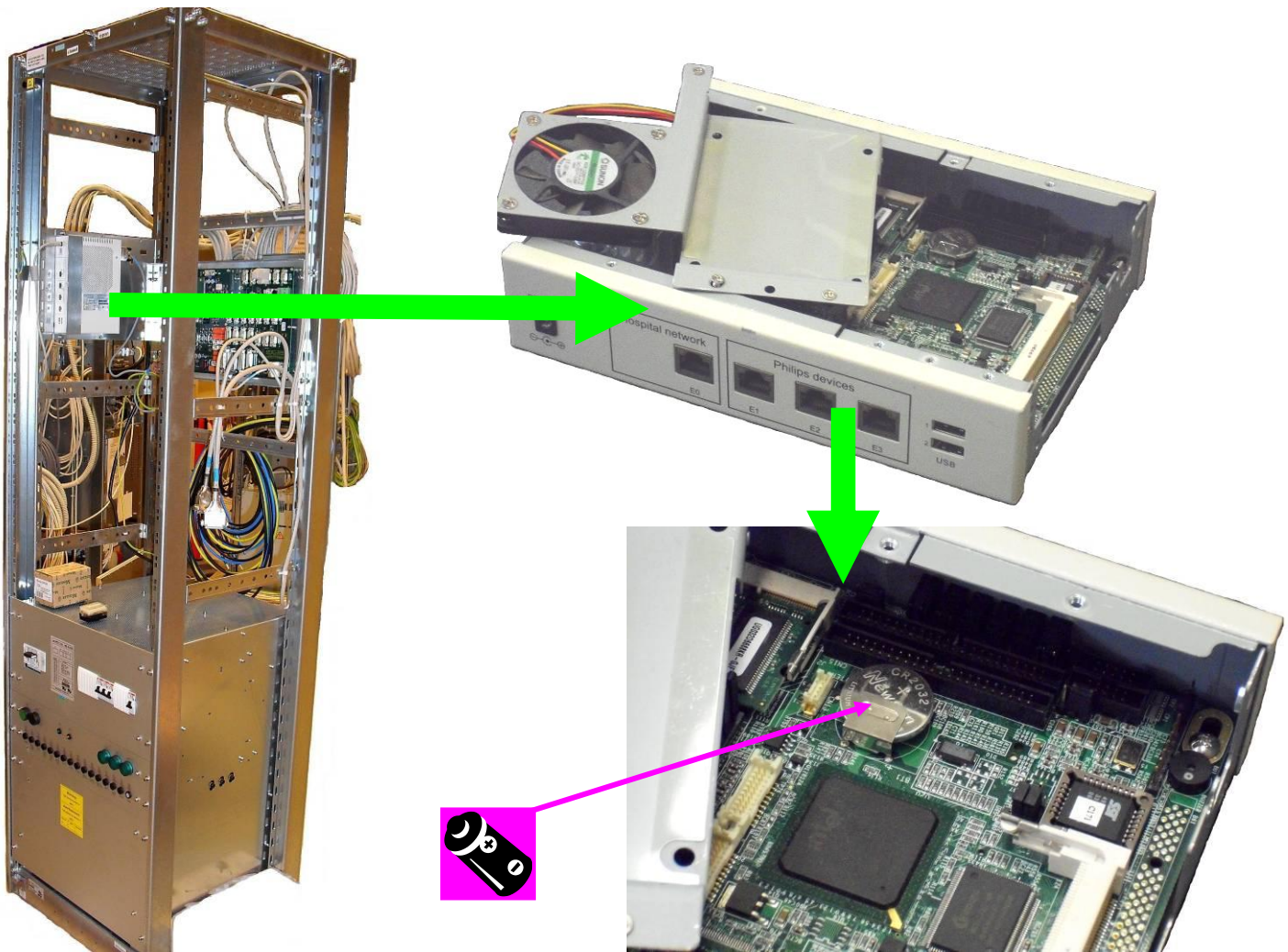
Recycle Info	Items:	Location
Batteries  To be Removed	1x CR2032 3.0V Lithium coin cell of 2.8 gram	See next figure; slot BLA24 
Hazardous  To be Removed	Substances: BeCu (BerylliumCopper) contact springs Pb is present in the soldering process of some PCBs	See next figure



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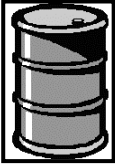


M-CABINET MD Eleva, 9896 001 4420x

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



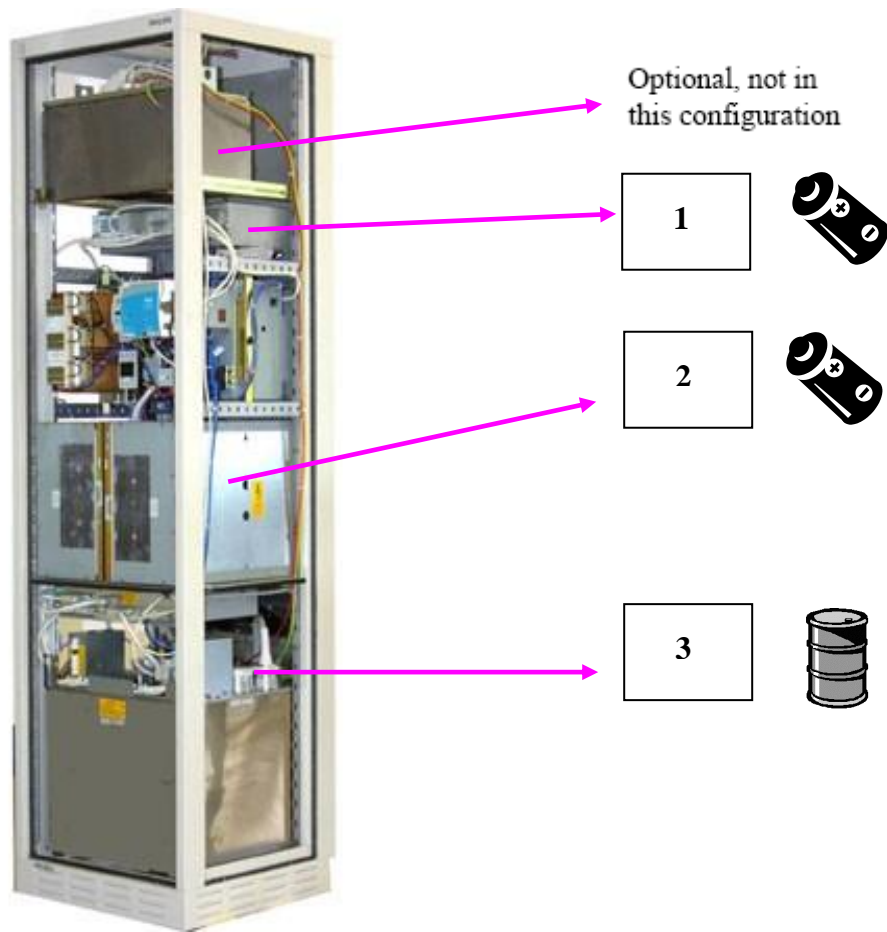
Title: Recycling Passport MD Eleva 708-036 (MultiDiagnost II-TV)
DocID: XDR054-090562

Velara 2T R/F 480V, 9890 000 7029x

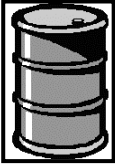


Recycle Info	Items:	Location
Fluids / Gases 	Transformer oil, type: Shell Diala (This High Voltage-transformer oil contains no PCBs)	See next figure (3)
Batteries 	Items: Lithium chrome cell, 3V Lithium chrome cell, 3V	Location See next figure (1) See next figure (2)
To be Removed		
Hazardous 	Substances: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

steel, iron	iron, low alloy (<5%)	130,785KG
	iron, high alloy (>5%)	2,334KG
steel, iron		133,119KG
nonferrous metals and alloys	aluminum, -alloy	12,274KG
	copper, -alloy	5,005KG
	zinc, -alloy	1,576KG
nonferrous metals and alloys		18,855KG
glass / ceramics	glass	0,288KG
glass / ceramics		0,288KG
plastics / organic substances	oil	48,06KG
	thermoplastic	5,952KG
	thermoset	4,245KG
	elastomer	0,232KG
plastics / organic substances		58,489KG
standard parts	other electronic powered devices	45,92KG
	printed circuit boards	11,584KG
	cables	6,733KG
	power supplies / transformers	6,184KG
	mounting parts, attaching part	2,03KG
	fans	1,804KG
	motors, pumps	0,52KG
standard parts		74,775KG
		285,526KG

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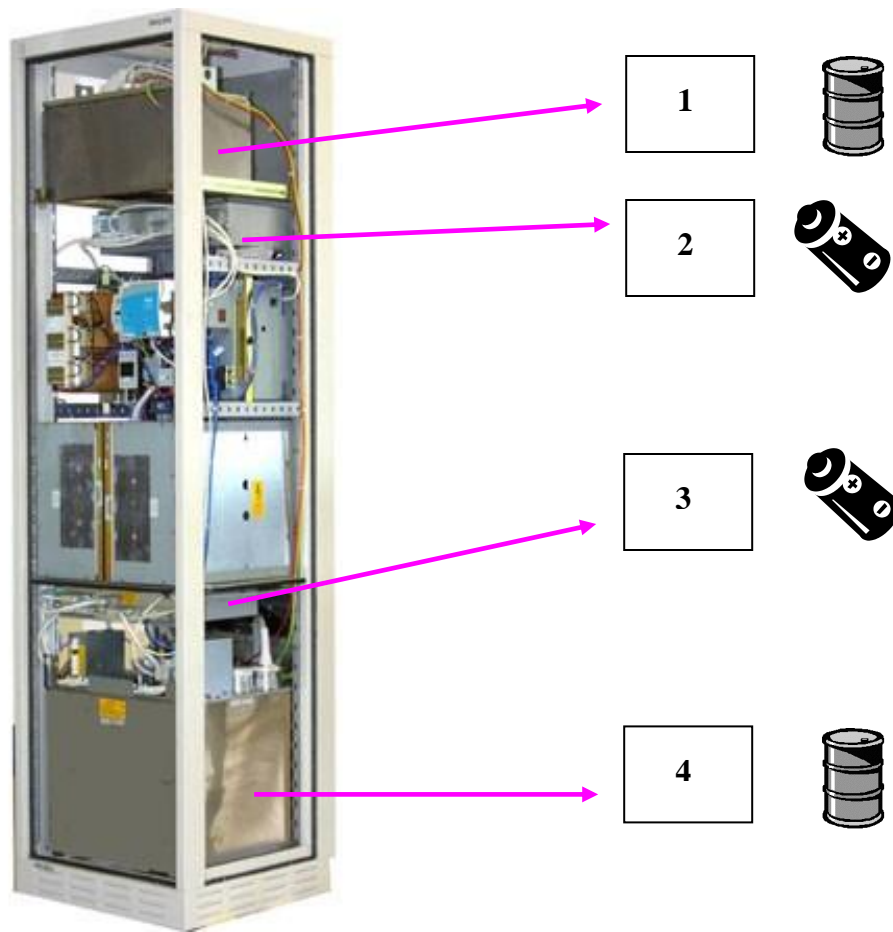


Velara 2T GCF 480V, 9890 000 7030x


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

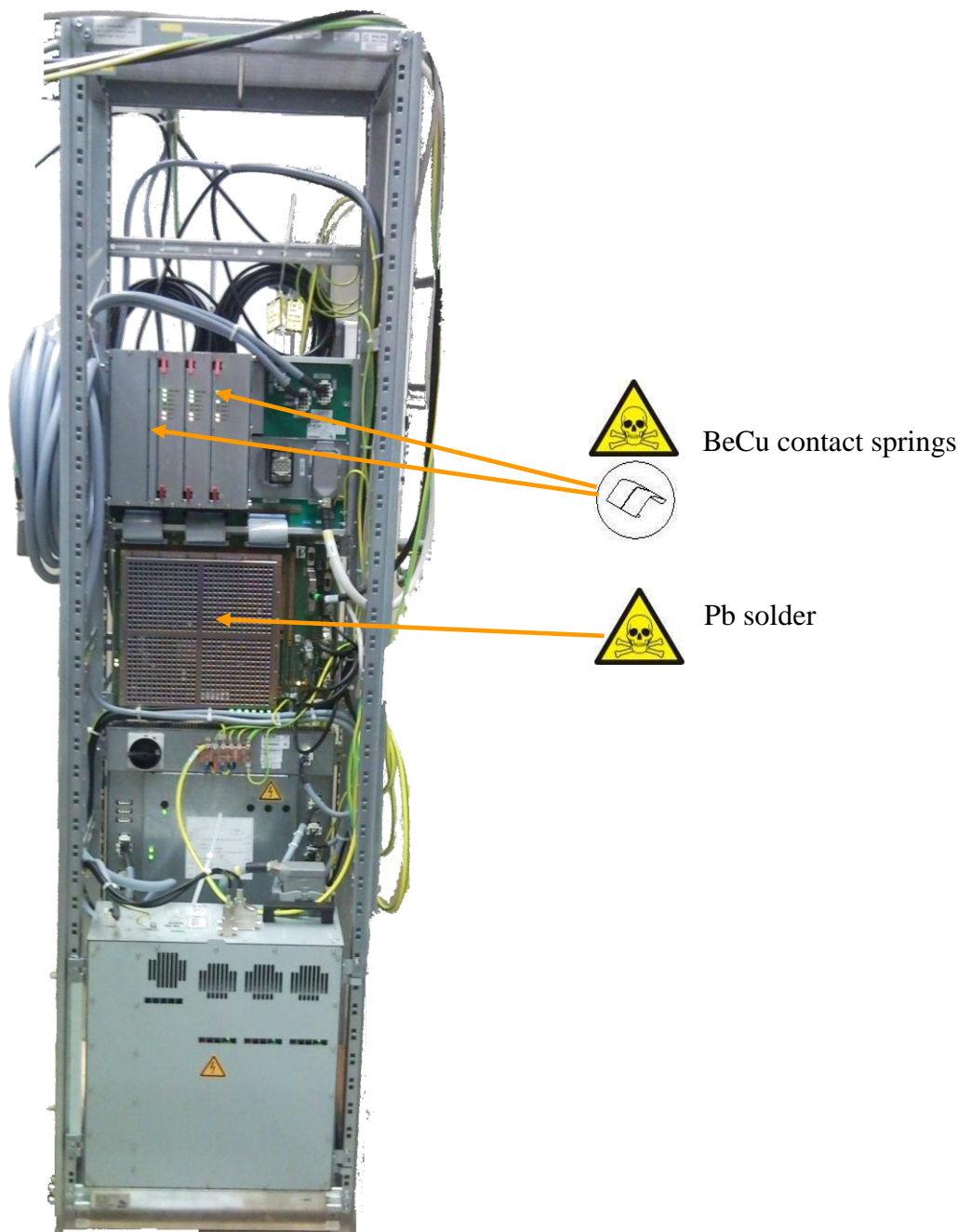
steel, iron	iron, low alloy (<5%)	136,263	KG
	iron, high alloy (>5%)	5,674	KG
steel, iron		141,937	KG
nonferrous metals and alloys	aluminum, -alloy	12,655	KG
	copper, -alloy	5,075	KG
	zinc, -alloy	1,652	KG
nonferrous metals and alloys		19,382	KG
glass / ceramics	glass	0,288	KG
glass / ceramics		0,288	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

Title: Recycling Passport MD Eleva 708-036 (MultiDiagnost II-TV)
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P-CABINET MD System, 9896-001-4149x

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



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