

PRODUCT CATALOGUE





EDITORIAL



More than 45 years ago, Thomas Mahn founded the company Hans O. Mahn & Co. and our former X-ray Division was a part of this company. In our new structure since 2009, MAHN Medizinprodukte GmbH is a new member of MAHN Group of Companies GmbH.

We distribute and supply high quality products in the scope of X-ray protection, X-ray units, darkroom equipment, accessories, consumables and MRT. Due to our long experience in X-ray field, we acquired a good knowledge.

MAHN Medizinprodukte GmbH cooperates closely with exclusive agents in some countries and medical partners in more than 100 countries worldwide mainly private hospitals, doctors, governmental organizations like MOH or MOD, NGO's like red cross, United Nation Organizations like UNRWA etc.

We hope you enjoy our new Internet presentation.

THOMAS MAHN
Managing Director



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X-RAY FILMS + CHEMICALS

X-ray films designed for a variety of applications in all standard and special radiographic diagnostics. The films are based on a blue tinted polyester base with a double sided coating. High quality raw materials secure an excellent image quality and a long lasting stability.

- **high sensitivity**
- **excellent contrast**
- **optimal image quality**
- **excellent reproduction of details**
- **low fog level**
- **high stability**
- **antistatic treatment**

The special formulations of the processing chemicals are securing results of excellent quality with X-ray films of all well-known brands. They are especially developed to produce highest resolution on X-ray films.

X-RAY FILMS

X-ray films blue
X-ray films green
Dental X-ray films
Mammography films
Laser imaging films

AUTOMATIC PROCESSING CHEMICALS

Uniroll Dev
Uniroll Fix

MANUAL PROCESSING CHEMICALS

T93 Dev
F93 Fix
T32 Dev
T32 Fix

DENTAL FILM PROCESSING CHEMICALS

Dentaroll
Dentamat 500
Dentamat 3000

X-RAY FILMS



X-RAY FILMS GREEN

Green sensitive orthochromatic X-ray film to be used with green emitting intensifying screens like Rare Earth types. Spectral sensitivity of approx. 540 – 550 nm acc. to DIN 6867.



X-RAY FILMS BLUE

Blue sensitive X-ray film to be used with blue emitting intensifying screens like Calcium-Tungstate or Rare Earth types. Spectral sensitivity of approx. 300 – 550 nm acc. to DIN 6867.

STANDARD SIZES

SIZES	GREEN ART. NO.	BLUE ART. NO.	SHEETS*
18 × 24 CM	100024	110024	100
24 × 30 CM	100030	110030	100
15 × 30 CM	—	110028	100
15 × 40 CM	100038	110038	100
20 × 40 CM	100039	110039	100
30 × 40 CM 12 × 15 INCH	100040	110040	100
35 × 35 CM 14 × 14 INCH	100035	110035	100
35 × 43 CM 14 × 17 INCH	100043	110043	100

*MOQ: 5 boxes | Other sizes on special request.

KEY BENEFITS:

- extremely good resolution and sharpness
- improved speed, allowing patient dose reduction
- greater stability with low active developers
- easy handling and flexible processing

Similar to illustration.



DENTAL X-RAY FILMS

- Double side coated film on blue tinted PET-base
- Very low radiation dose to high film speed
- Extra soft plastic cover with rounded edges
- Saliva save, sterilizable
- ISO speed class E
- Fine grain emulsion for optional image resolution

STANDARD SIZES

	SIZES	ART. NO.
CHILDREN	2 × 3 CM	120054
ADULTS	3 × 4 CM	120058

Similar to illustration.



MAMMOGRAPHY FILMS

Is a one-sided coated orthochromatic film. Especially suitable for using with green emitting intensifying screens. High picture quality by sharp imaging, radiographic contrast and finest grey scale.

STANDARD SIZES

SIZES	ART. NO.
18 × 24 CM	132024
24 × 30 CM	132030

LASER IMAGING FILMS | 133000

- Second-generation, higher-throughput, dry processing greyscale medium
- No wet processing, no darkroom, no chemicals
- Clear and sharp images
- Excellent image stability
- Secure archiving up to 20 years

Various sizes and brands (Agfa, Fuji, ...) depending from printer.

Similar to illustration.



AUTOMATIC PROCESSING CHEMICALS

For all automatic X-ray film processors with transport rollers.

	FOR READY SOLUTION	ART. NO.
UNIROLL DEVELOPER Liquid 3-part developer and replenisher concentrate with hardener.	2 × 20,0 L	151010
UNIROLL FIXER Liquid 2-part fixer and replenisher concentrate with hardener.	2 × 20,0 L	151050



MANUAL PROCESSING CHEMICALS

For all tank units in dipping type processing.

	FOR READY SOLUTION	ART. NO.
T93 DEVELOPER 2-part developer and replenisher powder.	5 × 22,5 L	161010
T93 FIXER Single part fixer salt and replenisher powder.	5 × 22,5 L	161050
T32 DEVELOPER Liquid single part developer and replenisher concentrate.	2 × 25 L	162010
T32 FIXER Liquid single part fixer and replenisher concentrate.	2 × 25 L	162050



DENTAL FILM PROCESSING CHEMICALS

Practices that manually process their x-rays require the proper chemicals for the procedure.

	FOR READY SOLUTION	ART. NO.
DENTAROLL Dental film-developing set (developer and fixer) for developing of dental films, special in roller-developing machines. The concentrates secure optimal processing and ability for archiving of the dental films. Developer – and fixer concentrates are two – part .	2 × 5 L	170100
DENTAMAT 500 Dental film-developing set (developer end fixer) for developing of dental films in immersion developing machines. The concentrates secure optimal processing and ability for archiving of the dental films. The manual processing in dish or tank is also possible. Developer – and fixer concentrates are one – part.	5 × 1,75 L (FIXER & DEVELOPER)	170200
DENTAMAT 3000 Dental film-developing set (developer and fixer) for developing of dental films in immersion developing machines. The concentrates secure optimal processing and ability for archiving of the dental films. The manual processing in dish or tank is also possible. Developer – and fixer concentrates are one - part .	1 × 9 L (FIXER & DEVELOPER)	170300



X-RAY CASSETTES + X-RAY INTENSIFYING SCREENS

In the field of manual products, we offer an entire range of X-ray cassettes, X-ray intensifying screens and grids for medical X-ray diagnostics used for usual and easy X-ray development. We distribute our X-ray cassettes according to current regulations. X-ray intensifying screens with a strong easy-to-clean protective coating, can be used with all screens making them extremely durable. Our X-ray cassettes and inserted X-ray intensifying screens become a high quality product.

In the scope of digital X-ray products, we are able to supply different CR-systems with its digital imaging plates which are relieving the handling and usability of the X-ray developments.

X-RAY CASSETTES

- Cassettes
- ID-Cassettes
- CAWO Fibre Cassettes
- CAWO Fibre ID-Cassettes
- Flexible Cassettes
- Mammography Cassettes

X-RAY INTENSIFYING SCREENS

- U 100 / Universal
- HS200 / High Speed
- REB 200 / Rare Earth Blue 200
- REB 400 / Rare Earth Blue 200
- REG 200 / Rare Earth Green 200
- REG 400 / Rare Earth Green 400
- Digital Imaging Plates
- Screen Cleaner

X-RAY GRIDS

- X-Ray Stationary Grid 34 lines/cm
- X-Ray Stationary Grid 40 lines/cm
- X-Ray Grid Cassette 34 lines/cm
- X-Ray Grid Cassette 40 lines/cm

CASSETTE DIVIDER

- Longitudinal
- Cross

ACCESSORIES

- ID-Printer
- Scribor Stripes
- Cover Stripes
- Cassette Trolley

DIGITAL SOLUTIONS

- Digital Imaging Plates
- CR-Systems



X-RAY CASSETTES

Similar to illustration.



CASSETTE

Medical cassette made from powder coated rigid aluminium. Solid construction in a modern design. Comfortable handling by safety push-type locking mechanism. Spring inserts for an easy opening of the cassette. Lid inserted with lead and foam pad. Excellent film-screen contact for highest image quality. With memo-clip.



ID-CASSETTE

Same as cassette, but with ID-window (US-type C1) for daylight ID-cameras. Data field of 26×76mm.

STANDARD SIZES

SIZES	CASSETTE ART. NO.	ID CASSETTE ART. NO.
18×24 CM	300024	310024
24×30 CM 10×12"	300030	310030
15×40 CM	300038	310038
20×40 CM	300039	310039
30×40 CM	300040	310040
35×35 CM 14×14"	300035	310035
18×43 CM	300042	310042
35×43 CM 14×17"	300043	310043
11×14"	300070	310070
08×10"	300064	310064

Other sizes on special request.

CAWO FIBRE CASSETTE

Light weight cassette made from rigid plastic material in a modern design. Comfortable handling by safety push-type locking mechanism. Magnetic foil system for an excellent filmscreen contact for highest image quality. With memo-clip.

CAWO ID FIBRE CASSETTE

Same as CAWO fibre cassette, but with ID-window (US-type C1) for daylight ID-cameras. Data field of 26×76mm.

STANDARD SIZES

SIZES	CAWO FIBRE ART. NO.	CAWO ID FIBRE ART. NO.
18×24 CM	320024	321024
24×30 CM 10X12"	320030	321030
20×40 CM	320039	321039
30×40 CM	320040	321040
35×35 CM 14×14"	320035	321035
18×43 CM	320042	321042
35×43 CM 14×17"	320043	321043

Other sizes on special request.

FLEXIBLE CASSETTES

Extremely flexible plastic cassette with zipper closure. Very low absorption. Specially designed for radiography of any curved parts of the body.

SIZES	ART. NO.
18×24 CM	343024
24×30 CM	343030

MAMMOGRAPHY CASSETTES

Rigid mammography cassette made from solid light weight plastic material. Very low absorption. Excellent film-screen contact for highest image quality. Equipped with a single intensifying screen.

SIZES	ART. NO.
18×24 CM	344024
24×30 CM	344030

Similar to illustration.



X-RAY INTENSIFYING SCREENS | X-RAY GRIDS



Similar to illustration.

X-RAY INTENSIFYING SCREENS

X-ray intensifying screens of latest technology. Highest definition and resolution for optimal image quality. High speed classes for reduction of radiation dose. Intensifying screens are suitable with the X-ray films of all well-known brands. Sensitivity according to DIN 6867 and DIN EN ISO 4090 standards. All screens are based on long lasting plastic supports. The emitting layers are coated with a scratch-resistant and antistatic protective surface. The back sides of the screens are provided with double sided adhesive tapes for an easy fixation into the cassettes. Compensating screens with continuous differentiated intensifications are available on special request.

Available types:

- U 100 / Universal
- HS200 / High Speed
- REB 200 / Rare Earth
- REB 400 / Rare Earth
- REG 200 / Rare Earth
- REG 400 / Rare Earth

STANDARD SIZES

TYPE	EMISSION COLOUR	EMISSION SPECTRUM	SPEED CLASS	ART. NO.
U 100	BLUE	~ 400NM	100	351100
HS 200	BLUE	~ 400NM	200	351200
RE B 200	BLUE	400 ~ 450NM	200	355200
RE B 400	BLUE	400 ~ 450NM	400	355400
RE G 200	GREEN	550NM	200	359200
RE G 400	GREEN	550NM	400	359400

Intensifying screens are available in all standard sizes, special sizes on request

SCREEN CLEANER | 183000

Contents: 500 ml

X-RAY STATIONARY GRID

To be placed temporarily into the cassette. Sizes according to film sizes.

X-RAY GRID CASSETTE

Grid cassettes are same as cassette. With additionally integrated grid.



Grids are used for increasing the contrast and improving the diagnostic value of radiographic images by absorbing secondary or scattered radiation. Grids are used wherever a stationary bucky grid is not available. Made from highly radioluscent aluminium with integrated lead lamellas. Solid construction with lacquered metal surface protecting against physical impacts. Grids are available in all standard cassette sizes, other sizes or specifications on special request. Grids are available with the following specifications.

RATIO	LINES	SIZES	STATIONARY GRIDS PARALLEL ART. NO.	GRID CASSETTE PARALLEL ART. NO.
8:1	34/CM – 85/INCH	18X24 CM	3714424	3614424
		24X30 CM	3714430	3614430
		35X35 CM	3714435	3614435
		30X40 CM	3714440	3614440
		35X43 CM	3714443	3614443
8:1	40/CM – 103/INCH	18X24 CM	3714524	3614524
		24X30 CM	3714530	3614530
		35X35 CM	3714535	3614535
		30X40 CM	3714540	3614540
		35X43 CM	3714543	3614543

CASSETTE DIVIDER | ACCESSORIES



CASSETTE DIVIDER

Allowing part exposure of X-ray cassettes in longitudinal or cross direction. Made from washable lead rubber sheets allowing an easy cleaning and disinfection. Lead equivalent of 0,50 mm Pb.

TYPE	SIZE	ART. NO.
LONGITUDINAL	10,3 × 26,5 CM	390124
	13,3 × 32,5 CM	390130
	19 × 38 CM	390135
	16,3 × 42,5 CM	390140
	19 × 45,7 CM	390143
CROSS	20,5 × 13,3 CM	390224
	26,5 × 16,3 CM	390230
	38 × 19 CM	390235
	32,5 × 21,3 CM	390240
	38 × 22,8 CM	390243

Similar to illustration.



ID-PRINTER | 232000

Darkroom device for use prior to film development. Exposure of patient data directly onto the film by using paper ID-strips. Photo electric system independent from cassette type. Data field of 150 × 12 mm. 230 V - 50 Hz

SCRIBOR STRIPES | 232010

Blank without imprint. To use with ID-printer. 1.000 sheets of 8 stripes each.



COVER STRIPES | 232020

To cover ID-printer data fields on intensifying screens. Self adhesive. 2 pairs.

Similar to illustration.



CASSETTE TROLLEY | 227000

Darkroom device for use prior to film development. Exposure of patient data directly onto the film by using paper ID-strips. Photo electric system independent from cassette type. Data field of 150 × 12 mm. 230 V - 50 Hz

DIGITAL SOLUTIONS



Similar to illustration.

DIGITAL IMAGING PLATES | 360000

Imaging plates for digital radiography feature high absorption efficiency, excellent homogeneity and short response time. With a new coating technology the surface is very smooth and gives an improved signal-to-noise ratio. Even the anti-halor layer forms a perfect barrier against laser light. On the other hand it easily lets through the stimulated light. Sizes depending on brand.

Different brands are available on special request.

- Suitable for CR-systems
- High speed and fine acuity at low dose requirement
- Long durability

Similar to illustration.



CR-SYSTEMS (COMPUTED RADIOGRAPHY) | 360200

CR costs are manageable from equipment, install and ongoing servicing. CR units are compatible with many different X-ray devices, they are quite versatile in that they're able to convert many analog units. They can render an image digitally in less than a minute, and once it is done, storage is simple and space efficient. Least labor intensive of X-Ray conversions

Different brands are available on special request.



X-RAY PROTECTION

Our catalogue for X-ray protection is partitioned in different segments such as products for protection of patients and operators and their environment.

The protective clothing is made from extremely soft and flexible lead rubber sheets based on natural rubber caoutchouc. It is very pliant and thus comfortable to wear. A washable textile cover allows an easy cleaning and disinfection. Bright and friendly colours have a positive effect on the operator and patients. The sophisticated design and first class manufacturing quality guarantee many years of operation. The employment of high quality and state-of-the-art raw materials assure a consistent high radiation protection throughout the entire product life time. Our protective clothing is manufactured according to DIN EN IEC 61331-3, the EU Directives 89/686/EEC for personal protective equipment respectively 93/42/EEC for medical devices, R&V standards and is marked CE-0123.

Our main products are X-ray protective clothing as well as storage racks, benches in all types, sizes, protective panels and lead glass. The products are characterised by their simple design and handling to allow an easy use. Furthermore an important point is the protection of the patient against X-rays. In this case, we can supply different dosimeters.

PERSONAL X-RAY PROTECTION

Front Apron
Protective Skirt + Vest
Double Apron
Surgeon Apron
Wrap Around Apron
Stretch Belt
Spine Belt
Thyroid Shield

PATIENT X-RAY PROTECTION

Children Front Apron
Children Double Apron
Dental Apron
Dental Apron OPG
Half Apron
Ovarian Shield
Ovarian Shield – Standing Position
Flexible Gonad Shield
Flexible Gonad Shield – Standing Position
Solid Gonad Shield
Patient Cover
Protective Cap
Breast Protection
Hygienic Pouches
Protective Winding

ACCESSORIES FOR X-RAY APRONS

Cleaning Set – 500 ml
Embroidered Name
Protective Sleeve

ACCESSORIES FOR PERSONAL X-RAY PROTECTION

Protection Mask
Protective Spectacles Panorama
Protective Spectacles Design
Protective Gloves
Radiation Reducing Gloves

APRON STORAGE RACKS

Wall Rack
Mobile Rack
Clip On Rack
Hooks For Skirt+Vest

CT PROTECTION

Grayshield CT Eye Shield
Grayshield CT Thyroid Shield

PERSONAL DOSIMETER

Dosimeter Bleeper sV

PROTECTIVE SHIELDING SYSTEMS

Protective Panel
Protective Triple Panel
Protective Glass
Protective Window Frame
Protective Lead Rubber
Lead Foil
Mobile Vertical Shield
Mobile Lower Body Protector
Mobile Protective Shield
Ceiling Suspended Shield
Stationary Lower Body Protector

PERSONAL X-RAY PROTECTION

PRODUCT COLORS

- Fire
- Magenta
- Forest
- Sky
- Burgundy
- Sun
- Ocean
- Stone

Please note that the colours shown here may differ from the original colour.



FRONT APRON
Front protection in full length. Back protection in half length of 0,25 mm Pb. Standard Velcro closure. Standard colour Sky – others on special request.

LEAD EQUIVALENTS	SIZE	S	M	L	XL	XXL
		90 × 60 CM	100 × 60 CM	110 × 60 CM	120 × 60 CM	130 × 60 CM
0,25 MM PB		412009	412010	412011	412012	412013
	LIGHT WEIGHT	4120091	4120101	4120111	4120121	4120131
0,35 MM PB		413009	413010	413011	413012	413013
	LIGHT WEIGHT	4130091	4130101	4130111	4130121	4130131
0,50 MM PB		415009	415010	415011	415012	415013
	LIGHT WEIGHT	4150091	4150101	4150111	4150121	4150131

Light-weight lead rubber offering 15 % weight reduction compared to standard lead



PERSONAL X-RAY PROTECTION

PROTECTIVE SKIRT + VEST

Double sided protective clothing. Consisting of a separate skirt and vest. Comfortable to wear. Additional protection in the front thorough overlapping material. Standard colour Sky - others on special request.

-

Light-weight lead rubber offering 15 % weight reduction compared to standard lead



LEAD EQUIVALENTS FRONT / BACK	SIZE	90×60 CM SKIRT: 55 CM VEST: 107/60 CM	100×60 CM SKIRT: 60 CM VEST: 107/60 CM	100×65 CM SKIRT: 60 CM VEST: 117/60 CM	100×70 CM SKIRT: 60 CM VEST: 127/60 CM	110×60 CM SKIRT: 65 CM VEST: 107/60 CM	110×65 CM SKIRT: 65 CM VEST: 117/60 CM	110×70 CM SKIRT: 65 CM VEST: 127/60 CM	120×65 CM SKIRT: 70 CM VEST: 117/60 CM	120×70 CM SKIRT: 70 CM VEST: 127/60 CM
		425092	425102	425103	425104	425112	425113	425114	425123	425124
LIGHT WEIGHT		4250921	4251021	4251031	4251041	4251121	4251131	4251141	4251231	4251241

DOUBLE APRON

Both front and back protection in full length. Provides optimal protection against scattered radiation. Velcro closure. Standard colour Sky - others on special request.

Light-weight lead rubber offering 15 % weight reduction compared to standard lead.

-

LEAD EQUIVALENTS FRONT / BACK	SIZE	S	M	L	XL	XXL
		90 × 60 CM	100 × 60 CM	110 × 60 CM	120 × 60 CM	130 × 60 CM
0,35/0,25 MM PB		433209	433210	433211	433212	433213
0,50/0,25 MM PB		435209	435210	435211	435212	435213



PERSONAL X-RAY PROTECTION



SURGEON APRON

Front protection in full length. Partial upper back part protection of 0,25 mm Pb. A specially designed velcroclosure allows an easy sliding down from under the surgical gown. Standard colour Sky – others on special request. Light-weight lead rubber offering 15 % weight reduction compared to standard lead.



LEAD EQUIVALENTS	SIZE	M	L	XL	XXL
		100 × 60 CM	110 × 60 CM	120 × 60 CM	130 × 60 CM
0,25 MM PB LIGHT WEIGHT		4420101	4420111	4420121	4420131
0,35 MM PB LIGHT WEIGHT		4430101	4430111	4430121	4430131
0,50 MM PB LIGHT WEIGHT		4450101	4450111	4450121	4450131



WRAP AROUND APRON

Double sided protective clothing. Both front and back protection in full length. Additional protection in the front by overlapping material. With breast pocket and velcro closure.

Without sleeves and thyroid shield.

Standard colour Sky – others on special request. Light-weight lead rubber offering 15 % weight reduction compared to standard lead.



LEAD EQUIVALENTS FRONT/BACK	SIZE	S	S	M	L	S	M	L	M	L
		LENGTH: 90 CM	LENGTH: 100 CM	LENGTH: 100 CM	LENGTH: 100 CM	LENGTH: 110 CM	LENGTH: 110 CM	LENGTH: 110 CM	LENGTH: 120 CM	LENGTH: 120 CM
0,50/0,25 MM PB		4XS09S	4XS10S	4XS10M	4XS10L	4XS11S	4XS11M	4XS11L	4XS12M	4XS12L
LIGHT WEIGHT		4XS09S1	4XS10S1	4XS10M1	4XS10L1	4XS11S1	4XS11M1	4XS11L1	4XS12M1	4XS12L1

PERSONAL X-RAY PROTECTION



STRETCH BELT

For protective aprons – width of 15 cm.

SIZE	S	M	L	XL
	75 – 105 CM	85 – 115 CM	90 – 125 CM	95 – 135 CM
ART. NO.	439001	439002	439003	439004



SPINE BELT

For protective aprons.

SIZE	S	M	L	XL
	63 – 76 CM	77 – 89 CM	90 – 102 CM	103 – 104 CM
ART. NO.	439007	439008	439009	439010



THYROID SHIELD | 470100

Adjustable collar with velcro closure. Providing optimal protection of thyroids and sternum area in combination with an apron. Made from extremely flexible multiply layer lead rubber sheets. Height of tunic 5 cm, length of flair front 9 cm in the center. Lead equivalent of 0,50 mm Pb.



Standard colour: Sky Others on special request. | All aprons are available in the noticed standard sizes, other sizes and shapes on request.

PATIENT X-RAY PROTECTION

CHILD FRONT APRON				
LEAD EQUIVALENTS	SIZE	S	M	L
		50 × 40 CM	60 × 45 CM	70 × 50 CM
0,50 MM PB		4050051	4050061	4050071
LIGHT WEIGHT				

CHILD DOUBLE APRON				
LEAD EQUIVALENTS	SIZE	S	M	L
		50 × 40 CM	60 × 45 CM	70 × 50 CM
0,50 MM PB		4055051	4055061	4055071
LIGHT WEIGHT				

CHILD FRONT & CHILD DOUBLE APRON
Child Front Apron: Special protective apron for paediatric patients. Providing optimal protection. Standard colour Sky - special designs suitable for children available on request.
Lead equivalent / mm Pb: 0,50 front | 0,25 back.

Child Double Apron: Special protective apron for paediatric patients. Providing optimal protection. Standard colour Sky - special designs suitable for children available on request.
Lead equivalent / mm Pb: 0,50 front | 0,50 back.

Light-weight lead rubber offering 15 % weight reduction compared to standard lead.



DENTAL APRON
Full coverage of front body and shoulder areas of the patient. Closure: chain and hook. Light-weight lead rubber offering 15 % weight reduction compared to standard lead.



LEAD EQUIVALENTS	SIZE	CHILD SIZE	ADULT SIZE
		70 × 45 CM	90 × 60 CM
0,25 MM PB		451207	451209
0,50 MM PB		451507	451509

DENTAL APRON OPG
Full coverage of front body and shoulder areas of the patient. Offers additional protection of the spinal column by an extended back. Dental apron OPG has an velcro closure and is suitable for panoramic X-Ray units. Closure: Velcro. Light-weight lead rubber offering 15 % weight reduction compared to standard lead.

LEAD EQUIVALENTS	SIZE	CHILD SIZE	ADULT SIZE
		60 × 40 CM	80 × 50 CM
0,25 MM PB		453206	453208
0,50 MM PB		453506	453508

PATIENT X-RAY PROTECTION



HALF APRON
Optimal gonadal and lower body protection during upper body examinations. Made from extremely flexible multiply layer lead rubber sheets. With hip clamp for easy and safe positioning with the patient.
Lead equivalent of 0,50 mm Pb.

LEAD EQUIVALENTS	SIZE	20 × 25 CM	30 × 30 CM	37 × 45 CM	45 × 50 CM	SET OF 4 SIZES: 20 × 25, 30 × 30, 37 × 45, 45 × 50 CM
	0,50/0,25 MM PB	460501	460502	460503	460504	460540



OVARIAN SHIELD | 462030
Optimal protection of the entire female ovaries. No interfering of diagnostically important areas. Made from lead sheets protected in a PVC cover for an easy cleaning. Lead equivalent of 1,0 mm Pb.
Set of 5 sizes:
under 4 years: size 1 | colour: lightblue
4 – 8 years: size 2 | colour: beige
8 – 12 years: size 3 | colour: green
12 – 16 years: size 4 | colour: lightgrey
over 16 years: size 5 | colour: silvergrey



OVARIAN SHIELD – STANDING POSITION | 462040
Optimal protection of the entire female ovaries with belt to use in standing position. No interfering of diagnostically important areas. Made from lead sheets protected in a PVC cover for an easy cleaning. Lead equivalent of 1,0 mm Pb.
Set of 3 sizes:
under 4 years: size 1 | colour: red
9 – 14 years: size 3 | colour: green
over 15 years: size 5 | colour: blue

PATIENT X-RAY PROTECTION



FLEXIBLE GONAD SHIELD

T-shape model. Optimal protection of the entire male genitals by entirely enclosing penis and scrotum. Allowing self application by the patient. Made from extremely soft & flexible double layer lead rubber (natural rubber ,caoutchouc'). Tear resistant textile cover for an easy cleaning. Velcro closure. Lead equivalent of 1,0 mm Pb.

Set of 3 sizes:

under 9 years: size S | colour: red
 9 – 14 years: size M | colour: green
 over 15 years: size L | colour: turquoise

LEAD EQUIVALENTS	S (UNDER 9 YEARS)	S (9 – 14 YEARS)	L (OVER 14 YEARS)	SET OF 3 SIZES: S / M / L
ART. NO.	465001	465002	465003	465020



FLEXIBLE GONAD SHIELD – STANDING POSITION | 465030

T-shape model with belt for standing examinations. Optimal protection of the entire male genitals by entirely enclosing penis and scrotum. Allowing self application by the patient. Made from extremely soft & flexible double layer lead rubber (natural rubber ,caoutchouc'). Tear resistant textile cover for an easy cleaning. Velcro closure. Lead equivalent of 1,0 mm Pb.

Set of 3 sizes:

under 9 years: size S | colour: red
 9 – 14 years: size M | colour: green
 over 15 years: size L | colour: turquoise



SOLID GONAD SHIELD | 466040

Made from white lacquered metallic lead. Optimal protection by enclosing the entire male scrotum. Lead equivalent of 1,0 mm Pb.

Set of 4 sizes: S / M / L / XL



PATIENT COVER 100 × 60 CM | 471006

Radiation protection to cover large areas of the patient. Made from extremely soft & flexible double layer lead rubber (natural rubber ,caoutchouc'). Tear resistant textile cover for an easy cleaning.

Lead equivalent of 0,50 mm Pb. Standard colour sky - others on special request.

PATIENT X-RAY PROTECTION



PROTECTIVE CAP

Radiation protective head cover made from extremely soft & flexible single layer lead rubber (natural rubber ,caoutchouc') Tear resistant textile cover for an easy cleaning. Lead equivalent of 0,17 mm Pb. Standard colour sky - others on special request.

SIZE	S	M	L
ART. NO.	470201	470202	470203



BREAST PROTECTION

Protection of female mammary gland at X-ray examinations. Lead equivalent: 0,50 mm Pb

SIZE COLOUR	GIRL CHILDREN	WOMEN SKY / LIGHT BLUE
ART. NO.	472051	472052

HYGIENIC POUCHES

For hygienic use of the male gonad shields. Disposable.

SIZE	SET OF 3: 100 PCS. SIZE: S 100 PCS. SIZE: M 100 PCS. SIZE: L	100 PCS. SIZE: S	100 PCS. SIZE: M	100 PCS. SIZE: L
ART. NO.	469000	469001	469002	469003

PROTECTIVE WINDING

The winding is an all-around protection (also suitable for CT). The patient will be wrapped up and is additional fixed by velcro closure. Lead equivalent: 0,50 mm Pb

SIZE (W/L)	CHILD SMALL 18 × 80 CM	CHILD LARGE 25 × 100 CM	ADULT SMALL 80 × 120 CM	ADULT LARGE 100 × 150 CM
ART. NO.	472001	472002	472003	472004

ACCESSORIES FOR X-RAY APRONS

CLEANING SET – 500 ML | 184000

Special cleaning and disinfection solution for the textile covers of X-ray protective clothing.

EMBROIDERED NAME | 439006

NAME / LOGO – Embroidered / Printed onto the aprons / thyroids. Inscription as per customer's request. Note that a film / electronic graphical file will be required.



PROTECTIVE SLEEVE

For protection of arms – detachable. Fixed by press button. For left or right side (please specify).

LEAD EQUIVALENTS	0,25 MM PB	0,35 MM PB	0,50 MM PB
ART. NO.	439020	439021	439022

ACCESSORIES FOR PERSONEL X-RAY PROTECTION



PROTECTIVE MASK | 470300

Adjustment of the respective form of the skull by a pressure-rotating system on the back of the head (universal size). Lateral fixation for the curved Plexi-Lead glass. Adjustable holder for the upper side of the head. Lead equivalency of the Plexi-Lead glass: 0,1 mm Pb.



PROTECTIVE SPECTACLES PANORAMA | 480200

X-ray protective lead glass spectacles (front and side glasses) with light weight plastic frame. Offering 180° panoramic protection.
Lead equivalent on Front: 0,75 mm Pb
Lead equivalent lateral: 0,50 mm Pb

ACCESSORIES FOR PERSONEL X-RAY PROTECTION



PROTECTIVE SPECTACLES DESIGN | 480250

X-ray protective lead glass spectacles (front and side glasses) with light weight plastic frame. The special design allows a comfortable wearing. Offering 180° panoramic protection.
Lead equivalent on Front: 0,75 mm Pb
Lead equivalent lateral: 0,35 mm Pb
Colour: yellow/black



PROTECTIVE GLOVES | 485000

Made from tough, durable vinyl outer coverings. Soft, flexible and comfortable. Removable and washable inner liners. X-ray protective gloves (a pair). Lead equivalent: 0,50 mm Pb.



RADIATION REDUCING GLOVES | 485100

Smooth and thin protection gloves for surgical procedures in cardiology, endoscopy, haemodynamics, radiology, neuroradiology, urology, intensive care, reanimation, orthopaedics or nuclear medicine. Anatomical shape, extra thin and smooth. Made of seamless natural latex with incorporated lead oxide. Single pair sterile packed. Sterilized by ethylene oxide. The gloves can be sterilized for reuse up to four times.

Featuring:

- Made from smooth and thin leaded natural rubber
- Single pair packed and sterilized
- Lead equivalent: 0,040 mm Pb
- Attenuation at:

60 kVp 63 %
80 kVp 53 %
100 kVp 46 %

Size: (6 - 6½ - 7 - 7½ - 8 - 8½ - 9)
1 sales unit = 1 box of 5 pairs

APRON STORAGE RACKS



WALL RACK
Made of heavy duty stainless steel with swivelling arms. Allows a convenient and careful storage of the X-ray protective clothing. Including installation material for easy wall mounting. Vertical fingers with rubber ends for gloves.

TYPE	1 PAIR OF GLOVES	2 PAIR OF GLOVES	3 PAIR OF GLOVES	1 APRON	1 APRON + 1 PAIR OF GLOVES	2 APRONS	3 APRONS	5 APRONS	6 APRONS	10 APRONS	1 DENTAL	4 HALF APRONS
ART. NO.	490001	490002	490003	490010	490011	490020	490030	490050	490060	490100	490500	490600



MOBILE RACK
Made of heavy duty stainless steel with swivelling arms. Allows a convenient and careful storage of the X-ray protective clothing. Mobile on castors with 2 brakes.

TYPE	5 APRONS	6 APRONS	10 APRONS
ART. NO.	491050	491060	491100



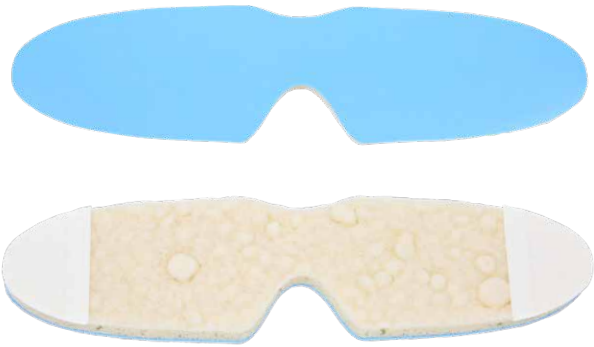
CLIP ON RACK
Made of heavy duty stainless steel. To clip on the backside of the mobile racks. With special holding device for a careful storage of one set of X-ray protective half aprons and vertical fingers with rubber ends for one pair of the X-ray protective gloves.

TYPE	4 HALF APRONS + 1 PAIR OF GLOVES	2 PAIR OF GLOVES
ART. NO.	491961	491972



HOOKS FOR SKIRT & VEST | 499200
Allows a convenient and careful storage of the X-ray protective skirt. To fix to the apron racks. Per pair.

CT PROTECTION



GRAYSHIELD CT EYE SHIELD | 480300
Flexible patients eye shields for CT and X-ray examinations. Providing optimal protection of eyes. With skin friendly self adhesive stripes for safe fixation. Made from extremely soft & flexible lead vinyl material. Disposable for single use. Max. height 4,0 cms, width of 14,0 cms.
1 Box = 50 single pcs.



GRAYSHIELD CT THYROID SHIELD | 470110
Flexible patients thyroid shields for CT and X-ray examinations. Providing optimal protection of thyroid area. Made from extremely soft & flexible lead vinyl material. Disposable for single use. Height 8,5 cms, width of 21,5 cms.
Lead equivalent: 0,125 mm Pb
1 Box = 50 single pcs.

PERSONEL DOSIMETER



DOSIMETER BLEEPER SV | 803200
Battery operated pocket sized radiation monitor. Providing audible indication of the cumulated X-ray and gamma-ray dose rate. Personal radiation monitor. Battery operated pocket sized radiation monitor. Providing audible indication of the cumulated X-ray and gamma-ray dose rate.
Additional LCD-display for indication of the dose rate in µSv.
Display: 1 - 999999 µSv
Measuring range: 45 keV - 3 MeV

PROTECTIVE SHIELDING SYSTEMS



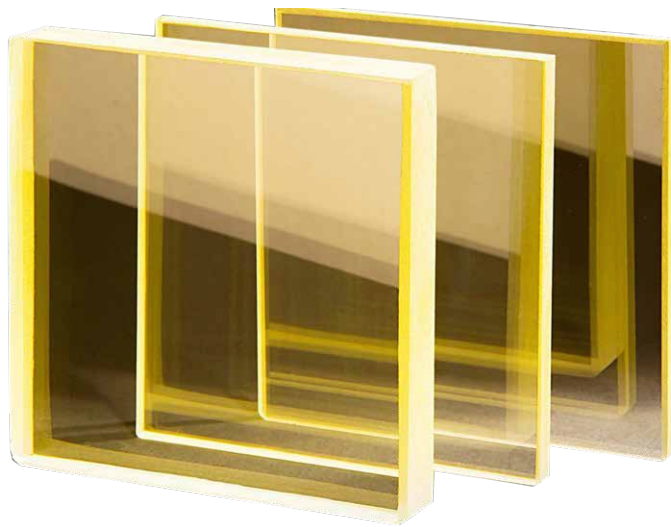
PROTECTIVE PANEL | 501000

Single panel made from white veneered hardboard. Perimetral edge made of ABS profile. Mobile on swivelling castors with brakes for an easy movement (2 with brakes/2 without brakes). Lead glass observation window of 30 × 40 cm (w/h). Lead equivalent of 2,0 mm Pb. Dimensions: 80 × 190 cm (w/h).



PROTECTIVE TRIPLE PANEL | 503000

Single panel made from white veneered hardboard. Perimetral edge made of ABS profile. Mobile on swivelling castors (2 with brakes / 2 without brakes). Lead glass observation window of 30 × 40 cm. Lead equivalent of 2,0 mm Pb. Dimensions: 80 × 190 cm (w /h). Dimensions side wing panels: 30 × 190 cm (w /h) each.



PROTECTIVE GLASS

Lead glass protecting against X-rays and gamma rays in a range up to 300 kV. High transparency for a clear and distortion-free view. Antistatic. Non-flammable. Thinner and lighter than lead acrylic. The high barium and lead content provides an optimal protection. Available in all sizes requested within the maximum dimensions (see table). All edges are cut and grinded. Larger dimensions can be laminated from smaller glass sheets. Manufactured acc. to EN 61331-1, -2, BS 4031, JIS R 3701, JIS Z 4501 standards. Different sizes available.

AT 110 KV	LEAD EQUIVALENT MM PB AT 150 KV	GLASS THICKNESS (MM)	MAX. DIMENSIONS (MM)
1,3	1,2	4,0 – 5,5	on request
1,7	1,5	5,0 – 6,5	2.000 1.000 or 1.830 1.220
2,3	2,1	7,0 – 8,5	2.800 1.400
2,9	2,6	8,5 – 10,0	2.135 1.220
3,3	2,9	10,0 – 12,0	2.450 1.220
3,6	3,2	11,0 – 13,0	2.450 1.220
4,6	4,1	14,0 – 16,0	2.000 1.000
5,3	4,7	16,0 – 18,0	2.000 1.000
5,9	5,2	18,0 – 20,0	2.000 1.000

PROTECTIVE SHIELDING SYSTEMS



PROTECTIVE WINDOW FRAME | 530000

Made from stainless steel, mounted to X-ray protective lead glass. Size depending on lead glass size.



PROTECTIVE LEAD RUBBER

The standard X-ray protection grades are made from a compound of lead and rubber (rubber basis). The protective lead is mixed into a special rubber matrix form. Extremely soft & flexible and protecting against X-rays and gamma rays.

TYPE	WIDTH (M)	LENGTH (M)	ART. NO.
0,50 MM PB – CUT MATERIAL	1,2	SELECTABLE	510000
0,25 MM PB	1,2	20	510250
0,50 MM PB	1,2	10	510500
R-115A, FDA, 0,125 MM PB	1,2	12	R115N125RN
R-115A, FDA, 0,25 MM PB	1,2	12	R115N025NT



LEAD FOIL | 545000

Lead sheets for radiation protection purposes. For wall, floor and ceiling protection. Not self-adhesive or self-adhesive. Minimum Order Quantity: 1 case = 12 rolls. Different lead equivalencies available.



MOBILE VERTICAL SHIELD | 504000

Height adjustable and flexible protective shield of 60 × 60 cm. For protection of lower body parts of the operators. Made of flexible lead rubber sheets with a tear resistant textile cover allows an easy cleaning and disinfection. Mounted on a solid and tilt resistant mobile stand with five swivelling castors. Height adjustable: 90 – 140 cm. Lead equivalent of 0,50 mm Pb. Dimensions of 60 × 50 × 90/140 cm (w /d /h).

PROTECTIVE SHIELDING SYSTEMS



MOBILE LOWER BODY PROTECTOR | 505000

The mobile lower body shields slim and versatile design is tilt resistant and takes up only a small space during use or storage. The body of the mobile shield consists of a broad middle section with two removable upper shields of different heights and two fix-angled side sections. The shield provides optimal protection with its overlapping, flexible panels, which contain a 0.50 mm Pb lead equivalency. It has also been fitted with special, conductive wheels to prevent electrostatic charges.



MOBILE PROTECTIVE SHIELD | 507000

Height-adjustable, mobile X-ray protective shield. A classic model for multi-modality radiological personal protection where upper and lower body protection are combined in one mobile system. The upper section consists of a transparent lead acrylic panel with a Pb value of 0.50 mm and 70 cm in width. The lower shield section is comprised of a steel body with a grey-white varnished finish (RAL 9002). The base has a Pb value of 1.00 mm and measures 78 cm x 95 cm (WxH). The shield is adjustable in height from 115 cm (minimum height of the shield) to 188 cm (maximum height of the shield). In both cases, the measurements are from the upper edge of the shield to the floor. The lead acrylic panel is easily height-adjustable and retracts within its steel base.

Different brands and versions available.

PROTECTIVE SHIELDING SYSTEMS

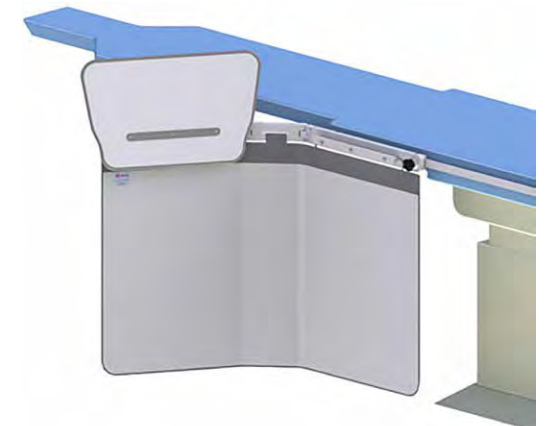


CEILING SUSPENDED SHIELD | 508000

Ceiling supported, freely moveable and height adjustable over couch protective windows with protective shields. The spring supported arms in different lengths allowing an optimal preparation of the working area. Ceiling support column with two connectors for supporting arms for mounting of protective screens and accessories. Supporting arms with integrated power supply for lamps, monitors or electric appliances.

Available accessories:

- Adjustable protective shields
- Contoured protective shields
- Flexible radiation protective lamellas
- Examination and operation lights
- Monitor supports
- Supports for electric devices and accessories



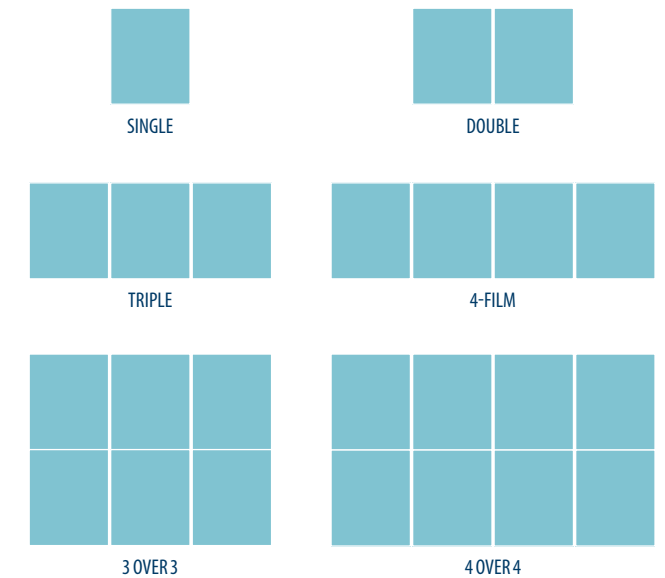
STATIONARY LOWER BODY PROTECTOR | 509000

Lower body protection shield for mounting at the accessory rails of the X-ray table sides. Universal adjustable for an optimal positioning in front of the operator. Mounting rack made of stainless steel. Shields are made of lead rubber with tear resistant cover for easy cleaning and disinfection. Different types and sizes available. Lead equivalent of 0,50 mm Pb.



X-RAY FILM VIEWING BOXES | NEGATOSCOPES

Negatoscopes for wall and table top mounting. Housing made of white powder coated steel. Acrylglass front panel for uniform light distribution by daylight fluorescent tubes. Optimal film grip by a patented stainless steel film retaining roller bars at the top. Easy replacement of the tubes by removing the front panel only. Energy saving electronic converters providing an advanced light quality and an extended life time of the tubes. According to DIN EN 60601-1. 230 V - 50 Hz (others on request)
For your information:



X-RAY FILM VIEWING BOXES – LED

LED-NGP Models

X-RAY FILM VIEWING BOXES – SHUTTERS

ELC

X-RAY FILM VIEWING BOXES – STANDARD

ST

ST-ELC

SPS-ELC

SPARE PARTS

Fluorescent Tube

Starter

X-RAY FILM VIEWING BOXES – MAMMO

Mammo Film Viewing Boxes – Shutter

X-RAY FILM VIEWING BOXES – RECESSED VIEWER

Recessed Viewer Set

X-RAY FILM VIEWING BOXES – DENTAL

Dental Film Viewing Boxes

FILM FILING TROLLEY

Film Filing Trolley

Viewing Trolley Files #38 & #49

X-RAY FILM VIEWING BOXES: LED | SHUTTERS



Similar to illustration.

X-RAY FILM VIEWING BOX LED-NGP

LED film viewers are an ultra-modern line of X-ray film viewing devices which were manufactured in LED technology exceed X-ray film viewers in CCFR, PLL, TFT, TLD technologies in all fundamental parameters, such as: value of luminance intensity, uniformity of screen luminance, operating costs (lifetime and energy consumption).

LED film viewers are conform to the standards EN 60601-1 and EN 60601-1-2 (safety and EMC of medical equipment).

Key Benefits:

- *Ultra slim: 35 mm*
- *LED technology: 50.000 h long life*
- *Energy saving: only 45 % of the standard power consumption*
- *High luminance: 6.000 cd/m² (19.000 lux)*
- *Superior light uniformity: ≥ 95 %*
- *FAS: film activated switch in the film holder*
- *Step-less: luminance adjustment*
- *No light flickering*

TYPE	VIEWING AREA	LED NGP ART. NO.
SINGLE	36 × 43 CM	626010
DOUBLE	72 × 43 CM	626020
TRIPLE	108 × 43 CM	626030
4-FILM	144 × 43 CM	626040

VIEW BOX ELC WITH SHUTTERS

Negatoscopes with shutters for easy collimation of the viewing area. Housing made of white powder coated steel. Acrylglass front panel for uniform light distribution by daylight fluorescent tubes. Optimal film grip by a patented stainless steel film retaining roller bar at the top. Easy replacement of the tubes by removing the front panel only. Electronic and stepless luminance control 30 – 100%. Energy saving high frequency converters providing a flicker free light distribution and an extended life time of the tubes. According to DIN EN 60601-1. 230 V - 50 Hz (others on request).

TYPE	VIEWING AREA	TUBES	LUMINANCE	ELC WITH SHUTTERS ART. NO.
SINGLE	40 × 43 CM	4 × 15 W	4.500 CD/M ²	621010
DOUBLE	80 × 43 CM	4 × 30 W	4.500 CD/M ²	621020
TRIPLE	105 × 43 CM	4 × 36 W	4.500 CD/M ²	621030
4-FILM	140 × 43 CM	4 × 58 W	4.500 CD/M ²	621040



Similar to illustration.

X-RAY FILM VIEWING BOXES: STANDARD | SPARE PARTS



Similar to illustration.

ST

One single ON-OFF switch for the total unit. 4 × 15 W fluorescent tubes per viewing area. Luminance approx. 4.200 cd/m².

TYPE	VIEWING AREA	ST ART. NO.
SINGLE	36 × 43 CM	600010
DOUBLE	72 × 43 CM	600020
TRIPLE	108 × 43 CM	600030
4-FILM	144 × 43 CM	600040

SPS-ELC

Electronic and stepless luminance control 30 – 100%. Separate dimmers for each viewing area. High frequency converter for a flicker free light distribution. 4 × 15 W fluorescent tubes per viewing area. Luminance approx. 4.200 cd/m².

TYPE	VIEWING AREA	SPS-ELC ART. NO.
SINGLE	36 × 43 CM	611010
DOUBLE	72 × 43 CM	611020
TRIPLE	108 × 43 CM	611030
4-FILM	144 × 43 CM	611040
3 OVER 3	2 × 108 × 43	611060
4 OVER 4	2 × 144 × 43	611080

ST-ELC

Electronic and stepless luminance control 30 - 100 %. One single dimmer for the total unit. High frequency converter for a flicker free light distribution. Fluorescent tubes with luminance of approx. 4.500 cd/m².

TYPE	VIEWING AREA	ST-ELC ART. NO.
TRIPLE	120 × 45 CM	601030
4-FILM	150 × 45 CM	601040
3 OVER 3	2 × 120 × 45 CM	601060
4 OVER 4	2 × 150 × 45 CM	601080

FLUORESCENT TUBE | 649000

Daylight fluorescent tubes for X-Ray Film Viewing Boxes.

STARTER | 649001

Safety starters for X-Ray Film Viewing Boxes

X-RAY FILM VIEWING BOXES: MAMMO | RECESSED VIEWER | DENTAL

Similar to illustration.



MAMMOGRAPHY FILM VIEWING BOXES – SHUTTER

Mammography negatoscopes with very high luminance at a perfect luminous density all over the viewing panel. Electronic and step-less luminance control 30 - 100 %. Energy saving high frequency converters providing a flicker free light distribution and an extended life time of the tubes. According to DIN EN 60601-1. 230 V - 50 Hz (others on request)

TYPE	VIEWING AREA	TUBES	LUMINANCE	MAMMOGRAPHY ART. NO.
SINGLE	48 × 36 CM	6 × 15 W	6.800 CD/M²	624210
DOUBLE	2 × 96 × 30 CM	10 × 36 W	6.800 CD/M²	624220
TRIPLE	2 × 108 × 30 CM	10 × 36 W	6.800 CD/M²	624230

Similar to illustration.



RECESSED VIEWER SET

Set for recessed wall mounting of viewing boxes. The X-ray film viewing boxes have a special frame that is made of stainless steel.

TYPE	RECESSED ART. NO.
SINGLE	640310
DOUBLE	640320
TRIPLE	640330
4-FILM	640340

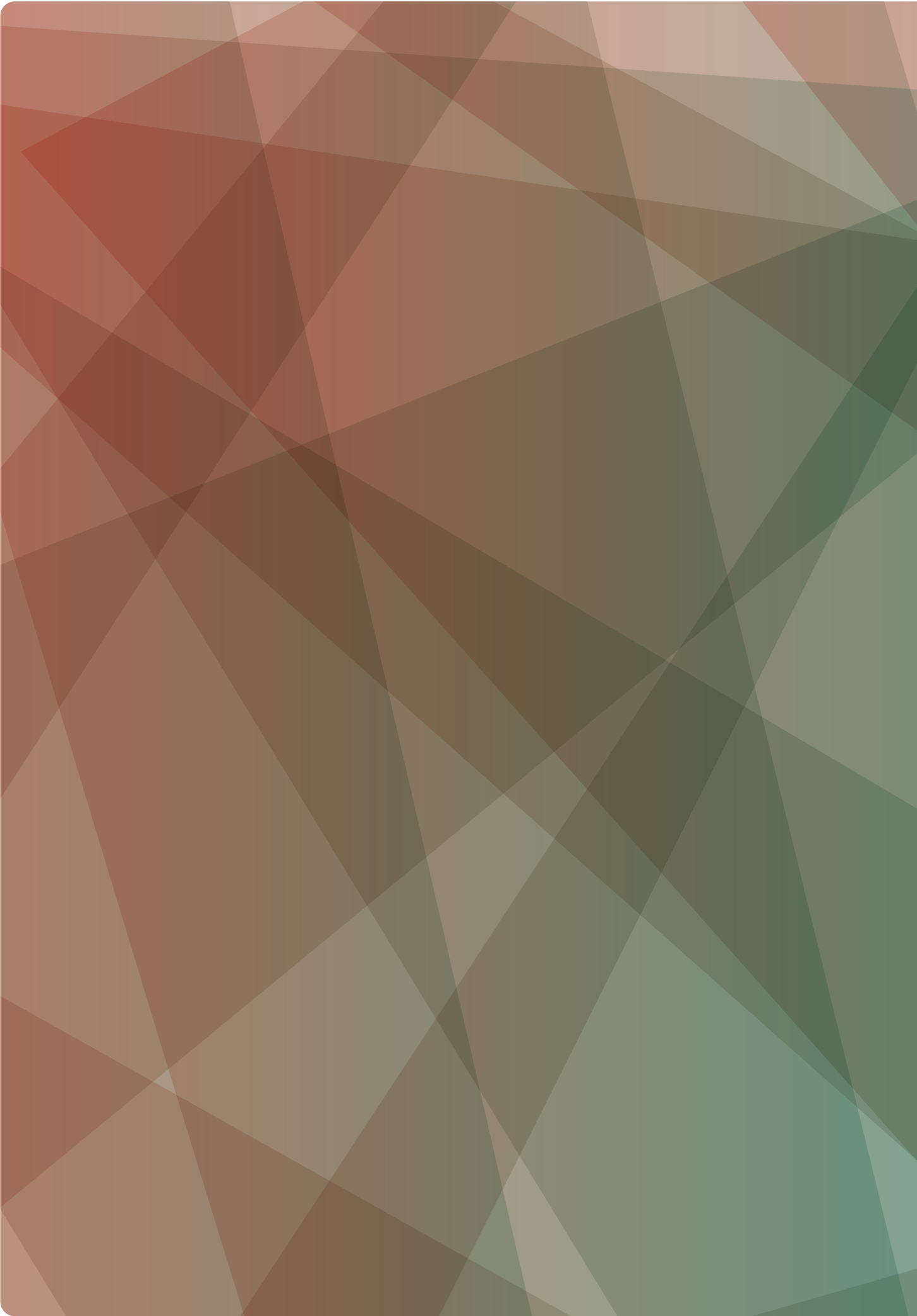
Similar to illustration.



DENTAL FILM VIEWING BOXES

Negatoscopes for wall and table top mounting. Acryl glass front panel for a uniform light distribution by daylight fluorescent tubes with a light temperature of 6.500° Kelvin. Universal film retention bars. HF regulator for flicker free light distribution. According to DIN EN 60601-1.

TYPE	VIEWING AREA	FLUORESCENT TUBES	LUMINANCE	ART. NO.
ST DENTAL	24 × 30 CM	4 × 8 W	3.900 CD/M²	600050
	15,5 × 28,5 CM	2 × 8 W	3.200 CD/M²	600051





DARKROOM

Darkroom Furniture - Functional and ergonomically designed work benches in modular construction for use in a numerous variety of applications within the film processing cycle. Made of hardboard coated with white plastics. Working top lined with a scratch and chemical resistant surface allow an easy cleaning. Solid warp resistant steel base with vertical adjustable feet.

Drawers mounted on easily moving guide runners. Work benches are available in different combinations.

Single Modul Dimension: 60 × 60 × 90 cm (w/d/h).

For the manual products, we offer all equipment and accessories that will be used for manual film processing, such as film processors and tanks, darkroom equipment and darkroom accessories.

<i>FURNITURE</i>
Benches
<i>MANUAL X-RAY FILM PROCESSING</i>
Mano
Thermo
Table
<i>EQUIPMENT</i>
Film Dryer
Cassette Transfer Cabinet
Safelight
<i>ACCESSORIES</i>
Film Hanger
Film Hanger Storage Rack
Dripping Rack
Illuminated Warning Sign
Timer Simple
Film Cutter
Film Corner Cutter
Stirring Rod

FURNITURE



Similar to illustration.

FILM BENCH

For the light tight storage of X-ray films up to 35 × 43 cm in 6 film compartments. The hopper is equipped with a switch for changing automatically from daylight to darkroom illumination whenever opened. This system prevents a premature exposure of the films. Including one drawer above the film hopper.

WITHOUT LEAD PROTECTION	200010
LEAD PROTECTION OF 1,0 MM	200011



Similar to illustration.

SHELVES BENCH | 200040

For the storage of larger accessories in a cupboard with 2 adjustable shelves. Including one drawer above the cupboard.



Similar to illustration.

DRAWERS BENCH | 200030

For the storage of smaller accessories in 5 drawers.



Similar to illustration.

DOUBLE BENCH COMBINATIONS

Double bench combinations are consisting of one single solid body and have one single acidproof working desk top plate. Dimensions: 120 × 90 × 60cm (w/h/d)

COMBI FC FILM AND CASSETTE BENCH	200120
COMBI FD FILM AND DRAWERS BENCH	200130
COMBI FS FILM AND SHELVES BENCH	200140
COMBI CD CASSETTE AND DRAWERS BENCH	200230
COMBI CS CASSETTE AND SHELVES BENCH	200240



Similar to illustration.

CASSETTE BENCH

For the storage of up to 60 X-ray cassettes in 12 compartments of 2 × 6 sizes. Maximum cassette size 35 × 43 cm. Including one drawer above the cassette compartments.

WITHOUT LEAD PROTECTION	200020
LEAD PROTECTION OF 1,0 MM	200021



Similar to illustration.

BENCH WITH SINK | 200050

Stainless steel sink with water mixing tap mounted on the table top. Cupboard with 1 shelf. Including connection tubes and stand pipe.

Other series of combinations or designs are available on special request.

FURNITURE | MANUAL X-RAY FILM PROCESSING



Similar to illustration.

TRIPLE BENCH COMBINATIONS

Triple bench combinations are consisting of one single solid body and have one single acidproof working desk top plate. Dimensions: 180 × 60 × 90 cm (w/d/h)

COMBI FCD FILM, CASSETTE AND DRAWERS BENCH	201230
COMBI FCS FILM, CASSETTE AND SHELVES BENCH	201240



Similar to illustration.

MANUAL FILM PROCESSING TANK SETS

Made from durable acid-proof PVC for film hangers up to 35 × 43 cm - top bar of 46 cm. Connection of the tanks by PVC rails. With drip tray and draining system. Complete with tubes and clamps for direct installation.

MANO 3 | 210030

- 1 tank of 20 l with lid and draining tap for developer
- 1 tank of 20 l with lid and draining tap for fixer
- 1 tank of 30 l with inlet and overflow for intermediate washing and final rinsing

MANO 4 | 210040

- 1 tank of 20 l with inlet and overflow for intermediate washing
- 1 tank of 20 l with lid and draining tap for developer
- 1 tank of 20 l with lid and draining tap for fixer
- 1 tank of 30 l with inlet and overflow for final rinsing



Similar to illustration.

MANUAL THERMO-CONTROLLED FILM PROCESSORS

Made from durable acid-proof PVC for film hangers up to 35 × 43 cm - top bar of 46 cm. Thermostatically controlled heater for the developing bath. Complete for direct installation. 230 V - 50/60 Hz - 1000W.

THERMO 3 | 212030

- 1 tank of 10 l with lid for developer
- 1 tank of 10 l with lid for fixer
- 1 tank of 80 l for intermediate
- washing and final rinsing

THERMO 4 | 212040

- 1 tank of 20 l with lid for developer
- 1 tank of 16 l for intermediate washing
- 1 tank of 20 l with lid for fixer
- 1 tank of 100 l for final rinsing

SINGLE PROCESSING TANKS | 210800 SERIES

Made from durable acid-proof PVC. Capacities of: 5, 10, 20, 30 or 40 litre.

TABLE SUPPORT | 210090

Lifting the top of manual processing tank units 210030 and 210040 to an ergonomic working level of 100 cm. Solid construction made from powder coated steel. Height of 35cm.

EQUIPMENT



Similar to illustration.

FILM DRYER

Housing made from white powder coated steel. Easy loading from the front side by a drawer type support for film hangers up to 35 × 43 cm with a top bar of 46 cm. Thermostatically controlled heater and ventilator. 230 V - 50 Hz

MODEL	CAPACITY	HEATER	DIMENSIONS (W/D/H)	ART. NO.
FD-20	20 FILM HANGERS	500 W	60 × 50 × 90 CM	213020
FD-40	40 FILMRAHMEN	1.000 W	60 × 50 × 167 CM	213040



Similar to illustration.

CASSETTE TRANSFER CABINET

Made from powder coated steel. Solid construction. Light-proof interlocking doors opening up to 180°. Special coated bottom lining provides an extra safety for the cassettes. Single sided lead protection of 2,0 mm.

MODEL	COMPARTMENTS	DOORS	EXTERNAL DIMENSIONS (W/D/H)	WALL OPENING (W/H)	ART. NO.
CTC-1	1	2	28 × 55 × 54 CM	28,5 × 54,5 CM	221020
CTC-2	2	4	58 × 55 × 54 CM	58,5 × 54,5 CM	221040

All details given in this leaflet are subject to technical improvements and changes without prior notification.

EQUIPMENT | ACCESSORIES



Similar to illustration.

ECO | 224100

Housing made from plastics. Adjustable for direct and indirect darkroom illumination. Bulb socket size E27. Without filter. 230 V - 50/60 Hz - 15W
Filter required:
ECO filter 208 × 157 mm for blue sensitive films | 224110
ECO filter 208 × 157 mm for green sensitive films | 224120

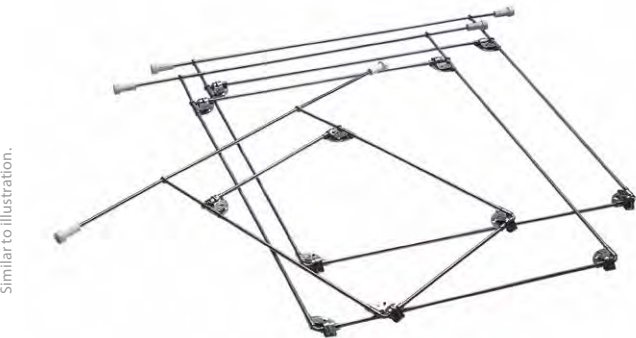


Similar to illustration.

LED-X | 224200

LED darkroom safelight with brightness control for X-ray films and dental films. Used in darkrooms for processing all blue and orthochrom, medical X-ray films.

- Housing made from ABS white
- Filter: PMMA
- Temperature: -30°C to +50°C
- Relative humidity: 30%90%
- Power cable of 1,5 m with SCHUKO plug and ON/OFF switch
- Dimensions: 11 × 7 × 16 cm (w/d/h) – weight: approx. 0,4 kg



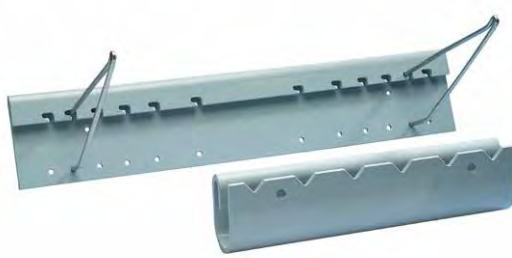
Similar to illustration.

FILM HANGER | 240000 SERIES

Safe fixation of the film by special clips. Made from polished stainless steel. Top bar of 46 cm length, ends with rubber sleeves. Available in all standard sizes, other sizes on special request.

FILM HANGER STORAGE RACK | 248020

To accommodate 20 film hangers. Made from PVC. Two adjustable arms of stainless steel.



Similar to illustration.

DRIPPING RACK | 247012

To accommodate 12 wet film hangers. Made from PVC. Length of 59 cm.



Similar to illustration.

ILLUMINATED WARNING SIGN | 253000

Warning lights type LED for wall mounting. Sturdy metal housing with white powder coating. Power connection through back panel. 120–240 V / 50–60 Hz. With electronic ballast. Dimension: 32,5 × 20,5 × 9 cm (l/w/h) Power: 8 W | Current consumption: 0,07 A

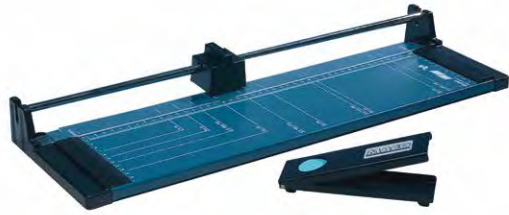
TIMER SIMPLE | 250010

Darkroom alarm timer | 0–60 MIN.

- 0 – 60 Min.
- Housing made of plastic
- Colour: white



Similar to illustration.



Similar to illustration.

FILM CUTTER | 250600

Solid base construction. Self-resharpening roller knife. Cutting length of 45 cm.

FILM CORNER CUTTER | 250700

For softening sharp film edges. Metal construction. Self-resharpening handmodel.

STIRRING ROD | 250300

Made from acid-proof PVC. Length approx. 60cm. We recommend the use of one pair in order to avoid the contamination of developer and fixer baths.



X-RAY ACCESSORIES

The accessories include products required for manual and digital process, as well as to simplify examination of the patients, such as lead markers, clip markers, patient transport and patient positioning. The positioning pads and sand bags are comfortable, gentle and safe positioning of the patient. Extremely pleasant to the skin. They are made for an easy cleaning and disinfection. This category contains also diagnostic instruments, ultrasound, archiving for further examinations with their accessories. The purpose of a colonoscopy equipment is to gain information about the entire large intestine that can not be obtained by X-ray or by other diagnostic means and to treat certain conditions.

LEAD MARKERS

- Lead Markers Standard
- Lead Markers DeLuxe
- Lead Marker Set
- Clip Markers L+R
- X-Ray Ruler
- Radiopaque Legends
- Rollboard

PATIENT POSITIONING / HOLDER

- Positioning Pads – Standard Set
- Occipital Head Support
- Face Support For Adults
- Head Support Left & Right For Adults
- Children Positioner – For Babies
- Sand Bags (With Additional Holder)
- X-Ray Mattress
- Table Top Cassette Holder
- Wall Cassette Holder
- Floor Cassette Holder
- PTI-Tripod

DIAGNOSTIC

- Colonoscopy New
- Colonoscopy Refurbished

DIAGNOSTICS INSTRUMENTS

- Salpingography Set

ULTRASOUND

- Ultrasound Gel
- Electrode Spray
- Ultrasound Probe Cleaning Spray

ARCHIVING

- X-Ray Film Envelopes

LEAD MARKERS



Similar to illustration.

CLIP MARKERS L + R
Made from stainless steel. To be clipped onto the cassette.
Both L and R on one single clip.

AP METHOD	260201
PA METHOD	260202

LEAD MARKERS STANDARD
Nickel plated lead markers based on a white plastic support. Height of letters 15mm.

LEAD MARKERS DELUXE
Made from acryl glass with inserted lead letters. Height of letters 5mm.
Height of L+R as well as D+G 7,5mm.

	LEAD MARKERS	LEAD MARKERS DELUXE
SET A – Z	260001	260101
SET 0 – 9	260002	260102
SET L + R	260003	260103
SET D + G	260004	260104
HOLDER	260005	260105

LEAD MARKERS SET | 260010
Comprising of one set each: A-Z, 0-9 and L+R, one holder, as well as one storage box.



Similar to illustration.

- X-RAY RULER | 263100**
- Made from metal with inserted lead letters
 - Length of 50 cm
 - Radiopaque lead scale
 - Graduation in 1 mm steps



Similar to illustration.

RADIOPAQUE LEGENDS | 261000
Made from acryl glass with inserted lead letters. Height of letters 5mm.
Inscription as per request.



Similar to illustration.

ROLLBOARD® | 742000
Patient transport device. Foldable light weight sliding board. For a comfortable, careful and safe patients transfer. Suitable for radiology, operating theatre, intensive care, special wards. Anti-bacteriologic, antifungic, flame retardant, with security endings. Skin friendly coating and easy to clean. Dimensions of 180 x 50 cm.

PATIENT POSITIONING / HOLDER



Similar to illustration.

POSITIONING PADS – STANDARD SET | 730100
Radioluscent, suitable for MRI and CT | hard-wearing, 100% li-
quid-tight, impermeable | Made from PE (polyethylene) stamped
for a comfortable, careful and safe positioning of the patient | Co-
lour: blue | Skin friendly, easy to clean and disinfect | Set of 10 pcs. in
7 different sizes | Complete set containing:

- 1 injection foam (30 × 15 × 12 cm)
- 2 triangle (18 × 24 × 12 cm)
- 2 triangle (18 × 10 × 05 cm)
- 2 rectangle (24 × 18 × 05 cm)
- 1 rectangle (36 × 24 × 05 cm)
- 1 wedge (18 × 28 × 08/10 cm)
- 1 wedge (24 × 18 × 07/10 cm)
- Storage box



OCCIPTIAL HEAD SUPPORT
Supporting aid for head in supine position.
PU-coating | Colour: cyan | Skin friendly,
easy to clean and disinfect
Sizes: 220 × 220 × 50 mm (adults) | 730310
220 × 220 × 90 mm (children) | 730311

FACE SUPPORT FOR ADULTS | 730320
Supporting aid for head in prone position.
PU-coating | Colour: cyan | Skin friendly,
easy to clean and disinfect
Size: 230 × 250 × 100 mm

HEAD SUPPORT LEFT & RIGHT
Supporting aid for head in lateral position.
PU-coating | Colour: cyan | Skin friendly, easy
to clean and disinfect | with rounded chin
Sizes:
for adults | 730330
for children | 730331 (only available as Model P)



Similar to illustration.

CHILDREN POSITIONER
Radioluscent, suitable for MRI and CT | Side parts (10 cm)
can be adjusted | Hard-wearing, 100% liquid-tight, imper-
meable | Made from PE (polyethylene) stamped for a com-
fortable, careful and safe positioning of the patient.
Skin friendly, easy to clean and disinfect.
Sizes: for babies | 730210
for infants | 730220 (only available as Model P)



Similar to illustration.

SAND BAGS (WITH ADDITIONAL HOLDER)
For a comfortable, careful and safe positioning of the patient. Ex-
tremely pleasant to the skin. Sewed white durable vinyl bags for an
easy cleaning and disinfection. Filled with fine cleaned quartz sand.

DIMENSIONS	WEIGHT	ART. NO.	ART. NO. WITH ADDI- TIONAL HOLDER
10 × 20 CM	0,5 KG	731012	731112
20 × 30 CM	2,5 KG	731023	731123
30 × 30 CM	5,0 KG	731033	731133
30 × 40 CM	7,0 KG	731034	731134

X-RAY MATTRESS
Made from soft radioluscent foam material. An artificial leather co-
ver allows an easy cleaning and disinfection. With longitudinal center
marking.

DIMENSIONS	ART. NO.
180 × 60 × 3 CM	732186
200 × 60 × 3 CM	732206
240 × 60 × 3 CM	732246

Other sizes on special request.

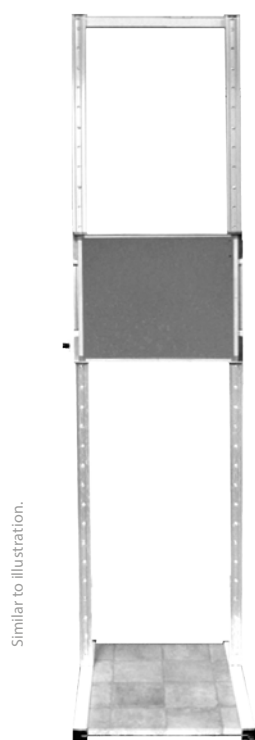
PATIENT POSITIONING / HOLDER



Similar to illustration.

TABLE TOP CASSETTE HOLDER | 740000

For ambulance or bedside X-rays. Solid metal construction. Adjustable height of the cassette position. For cassettes up to 35x43cm. Dimensions of 24 x 26 x 44 cm(w/d/h)



Similar to illustration.

FLOOR CASSETTE HOLDER | 740200

For upright patient examination. Made from chromium plated steel profiles. Solid heavy base plate with non slip rubber cover. Adjustable height of the cassette position. For cassettes up to a length of 120cm. Free standing. Dimensions of 56 x 49 x 206 cm (w/d/h)



Similar to illustration.

WALL CASSETTE HOLDER | 740100

For upright patient examination. Made from chromium plated steel profiles. Adjustable height of the cassette position. For cassettes up to a length of 90 cm. Easy wall fixation. Dimensions of 54 x 14 x 103 cm (w/d/h)



Similar to illustration.

PTI-TRIPOD | 741200

Special holding device for joint images like knee (patellat-angential), foot, hip, elbow, shoulder etc. Universal adjustable angle. Quick, simple and comfortable standardized positioning of the joints. Adjustable cassette holder. Fixable gonad shield of 1,0 mm Pb.

DIAGNOSTIC | DIAGNOSTICS INSTRUMENTS



Similar to illustration.

COLONOSCOPY NEW | 720000

Colonoscopy is an examination of the entire lower digestive tract (large intestine) performed with a flexible video instrument called a colonoscope. The procedure involves insertion of the colonoscope into the rectum and advancement of the scope throughout the colon while the doctor observes images displayed on a video monitor. Colonoscopy is commonly recommended as a screening test for colorectal cancer.

Colonoscope devices are ideal for diagnostic and therapeutic outpatient applications. With special features – specific by each customer – which enables easy scope maneuverability, safe routine procedures and effective colonoscopy.



Similar to illustration.

COLONOSCOPY REFURBISHED | 720050

Same as new model, but already used and refurbished. The device will receive a new guarantee and warranty.

Different brands and features possible



Similar to illustration.

SALPINGOGRAPHY SET ACC. TO SCHULZE | 726100

Diagnostical instrument set acc. to Prof. Dr. Schulze for uretro salpingography. For injection of X-ray contrast media into uterus and fallopian tubes and blowing through the uteral tubes under sterile conditions.

Complete set including manometer with luminous scale, holding device for 2 forceps, 3 uterus shutting cones, syringe 20 ml and storage box.

Other instruments for medical X-ray diagnosis are available on special request.
All details given in this leaflet are subject to technical improvements and changes without prior notification.

ULTRASOUND

Similar to illustration.



ULTRASOUND GEL
Perfect contact agent for use in ultrasonic diagnosis and therapy, for ECG, EEG and EMG. Colour- and odourless. Viscous, nondripping. Excellent wetting properties. Low desiccation rate. Excellent probe-tospecimen contact. Glycerine- and formaldehyde-free, anti allergic, pH-value neutral. Well-tested in hospitals and dermatologically incontestable. Bubble free manufactured under vacuum.

DISPENSER BOTTLE	12 × 250 ML	701002
CUBITAINER	4 × 5,0 L	701050

ELECTRODE SPRAY
Electrode contact spray especially suitable for suction electrodes in ultrasonic diagnosis / therapy, ECG, EEC, EMG and defibrillator electrodes. High conductivity. Microbiologically incontestable.

PUMP SPRAY BOTTLE	10 × 250 ML	702002
CUBITAINER	1 × 5,0 L	702050

ULTRASOUND PROBE CLEANING SPRAY
Cleaning spray for ultrasound probes, ECG-, EEG-, EMG- and defibrillator-electrodes. Counteracts bacteria, fungus and lipophilic viruses. Free of formaldehydes, phenols and phosphates.

PUMP SPRAY BOTTLE	10 × 250 ML	189002
CUBITAINER	1 × 5,0 L	182050

Similar to illustration.



ARCHIVING

Similar to illustration.



X-RAY FILM ENVELOPES
Made from strong natron kraft paper of 120 g/m². With flap. Without imprint. Sales unit: 1.000 pcs

Individual imprints, other paper types and qualities are available on request.

FILM FORMAT	ART.NO.
18 × 24 CM	760024
24 × 30 CM	760030
35 × 35 CM	760035
30 × 40 CM	760040
35 × 43 CM	760043



X-RAY QUALITY

Quality control (QC) is a procedure or set of procedures intended to ensure that a manufactured product or performed service adheres to a defined set of quality criteria or meets the requirements of the client or customer.

For this part we offer high quality products for different fields such as quality control devices, diagnostic test phantoms or multifunctional devices to perform, measure and checking the constancy tests. According to regulations the data of quality controls have to be recorded.

QUALITY CONTROL OF FILM PROCESSING

Sensitometer Sensix
Densitometer Densix

CONSTANCY CHECK

CONNY II – Digital Dosemeter

CONSTANCY CHECK IN MAMMOGRAPHY

NORMI MAM Analogue Test Phantom

MEASURING INSTRUMENTS FOR ACCEPTANCE TESTS

DIADOS Detectors
Extension Cable W6W
DIADOS Cassette Adaptor

MULTIMETER

DIAVOLT Uni
DIAVOLT Multi
DIAVOLT RAD/FLU
DIAVOLT MAM

X-RAY PHANTOMS FOR PATIENT SIMULATION

X-Ray Phantoms

MEASURING OF DOSE RATE

DIAMENTOR M4
Adoption Rails "P"
Adoption Rails "S"

QUALITY CONTROL OF FILM PROCESSING | CONSTANCY CHECK

Similar to illustration.



SENSITOMETER SENSIX | 815100

Sensitometer for exposure of a reproducible 21 step grey scale wedge onto a X-ray film. Operated by rechargeable batteries.
Light sources:

- Blue: films of max 460nm
- Green: films of max 500nm
- Exposure: 21 steps each 5×10mm
- Density steps: 0,0 - 3,0 D
- Increments: 0,15 D
- Dimensions: 212 × 58 × 130 mm (w/d/h)

IEC 61223-2-1, IEC 61674, DIN 6868-2

Similar to illustration.



DENSITOMETER DENSIX | 817100

Digital densitometer for optical density measurements of X-ray films. Including calibrated single step reference film.
Power supply 819050 required.

- Display: 3-digit LCD display
- Measuring range: 0,0 - 4,5 OD
- Resolution: 0,02 D
- Battery indicator: polarity and „Lo-Bat“
- Dimensions: 240 × 100 × 110mm. (w/h/d)

IEC 61223-2-1/-2/-3/-4, IEC 61223-2-9/-10/-11, DIN EN IEC 61223-3-1/-2/-3/-4, IEC 61674, DIN 6868-1/-2/-3/-4/-5/-7

Similar to illustration.



CONNY II – DIGITAL DOSEMETER | 820000

Compact diagnostic X-ray quality control dosimeter for routine constancy tests of conventional radiography, fluoroscopy and mammography installations. Measuring dose and dose rate in Gy, Gy/s and time in sec. shown on digital LCD display. Auto-start, shut-off, reset and timer functions. Measuring of patients entrance dose and entrance dose rate in combination with a measuring phantom. Unit is calibrated in air kerma. Operated by rechargeable batteries.

- Measuring ranges: 70/100 kV conventional, fluoroscopy | 30 kV mammography
- Dose: 2 mGy - 9,999 Gy
– resolution: 20 nGy - 5 mGy
- Dose rate: 5 mGy/s - 500 mGy/s
– resolution: 50 nGy/s - 10 µGy/s
- Irradiation time: 1 - 999,9 sec
– resolution: 10 ms

IIEC 61674, DIN 6868-3, DIN 6868-4, DIN 6868-7,DIN 6868-13

Instrument to be used in combination with a phantom:
REX, NORMI 13, NORMI MAM or NORMI PAS (not included)

CONSTANCY CHECK IN MAMMOGRAPHY | MEASURING INSTRUMENTS FOR ACCEPTANCE TESTS | MULTIMETER

Similar to illustration.



NORMI MAM ANALOGUE TEST PHANTOM | 825100

Diagnostic reference phantom for acceptance tests and constancy tests of analogue mammography X-ray units. Measurement of all relevant parameters such as high and low contrast, optical density of test films, position and size of usable radiation field, impurity spots and entrance dose. Resolution tests of 8, 10, 13, 16 lp/mm. Indicators for image limitation at thorax side. 240 × 300 × 40 mm (w/d/h)

DIN EN ISO 4090, DIN EN 61223-3-2, DIN 6868-152, DIN 6868-7

Similar to illustration.



DIADOS DETECTORS

Semiconductor detectors to be used with DIADOS diagnostic dose-meter. With connection cable of 2m length.

APPLICATION	RANGE	ART.NO.
CONVENTIONAL RADIOLOGY	45 – 150 KV	830100
MAMMOGRAPHY	24 – 45 KV	830400

EXTENSION CABLE W6W | 830910

6,0 m from DIADOS to detector. TNC connection system.

DIADOS CASSETTE ADAPTOR | 830930

Cassette adaptor 18 × 24 cm for diagnostic detectors. With cable holding device.

Similar to illustration.



DIAVOLT MULTIMETERS

Multi purpose non-invasive X-ray meters for kVp_{max} , kVp_{mean} , ppv- (practical peak voltage), mAs and irradiation time measurements of radiological installations. Auto-start, auto-stop, auto-range. Automatic 180° rotation of the display reading when the unit is turned for under couch applications. Different measuring range configurations available for the different radiological applications. Integrated serial RS232 interface for data transfer to a personal computer. Analogue interface for transfer of the kV-waveform to an oscilloscope. Operated by rechargeable batteries. 155 × 95 × 45mm (w/d/h) | IIEC 61676

DIAVOLT UNIVERSAL | 835100

For conventional and dental radiography, fluoroscopy, CT as well as mammography. Measuring range: 22 - 150 kV

DIAVOLT RAD/FLU | 835300

For conventional radiography as well as fluoroscopy. Measuring range: 40 - 150 kV (Without analogue interface and mAs measurement!)

DIAVOLT MULTI | 835200

For conventional and dental radiography, fluoroscopy as well as CT. Measuring range: 40 - 150 kV

DIAVOLT MAM | 835400

For mammography. Measuring range: 22 - 40 kV

X-RAY PHANTOMS FOR PATIENT SIMULATION



X-RAY PHANTOMS | 850000

High quality X-ray phantoms for a realistic patient simulation in medical education, training, scientific research, technical development and routine quality control. The phantoms are available with natural human bones or artificial bones for first-rate and realistic images. The bodies of the phantoms are made from special plastic material for a realistic tissue simulation in transparent or opaque version. All bones are mounted without metal parts. Natural bone phantoms are showing their individual characteristics. Phantoms are available as part or full body phantoms with mobile mounted skeleton and extremities. Body phantoms are imitating internal cavities and organs. Phantoms can also be produced according to customers requests.

MEASURING OF DOSE RATE



DIAMENTOR M4 | 844000

Dual channel dose area product (DAP) meter for in vivo patient dosimetry in single and bi plane fluoroscopic and diagnostic radiology. For measurements of the patients dose rate during X-ray examinations and irradiation time during fluoroscopy. Inputs for two individual ionisation chambers. Selectable DAP units μGym , cGycm , Gycm , Rcm and irradiation time shown on a large LCD display simultaneously for both channels. DAP rate shown during fluoroscopy switches automatically to DAP after the examination RS232 interface for connection to a label printer, a RIS or PACS network. Operated by mains power supply 110-230 V - 50/60 Hz.

Measuring range: 0 - 10 μGycm^2

Digital resolution: 0,01 μGycm^2

Irradiation time: 1,0 sec - 999 mi

IEC 60580, IEC 60601-1

ADOPTION RAILS "P" | 849010

For attachment of the ionisation chamber to the collimator. Rail distance 170 mm for PHILIPS units.

ADOPTION RAILS "S" | 849020

For attachment of the ionisation chamber to the collimator. Rail distance 177 mm for SIEMENS units.



X-RAY FILM PROCESSORS

The X-ray film processors are a long-lasting and already well-known units all over the world. Most of them are available as table top units and some as floor standing units. We differentiate the X-ray film processors for medical and dental sectors.

The X-ray film processors for medical sector are automatic processors that process all common film-types and formats used in conventional standard radiography. The handling of these processors are very user friendly and are immediately ready to use.

The X-ray film processors in dental sector are available in manual and automatic processing that process all common dental film-types and formats.

AUTOMATIC PROCESSORS

PROTEC® OPTIMAX®

PROTEC® OPTIMAX 2010®

PROTEC® COMPACT 2®

ACCESSORIES

CLOSED BASE CABINET COMPACT 2®

SPARE PARTS

Basic Spare Parts Set

Spare Parts Set

Spare Parts

AUTOMATIC PROCESSORS MAMMOGRAPHY

PROTEC® Optimax Mammo®

PROTEC® Compact 2 Mammo®

AUTOMATIC PROCESSORS DENTAL

DÜRR DENTAL XR 24 Pro

GIRARDELLI X-3D X-Ray units

AUTOMATIC PROCESSORS | ACCESSORIES



Similar to illustration.

PROTEC® OPTIMAX® | 981000
Automatic roller type processor for all standard medical X-ray films. Table top unit. Automatic film detection, start/stop system and stand-by mode. Automatic replenishment according to film surface. Anti-crystallization and anti-oxidation programs. Light protection cover for film in feed. Temperature selection for developer and fixer. Automatic circulation pump system, fresh water supply during processing and tank filling by replenishment pumps.
110 V or 230 V - 50/60 Hz

Film formats:	10 × 10 cm to 36 cm width
Processing time:	90 / 105* / 135 / 167 sec. (* standard factory setting)
Capacity at 90 / 105 / 135 sec.:	10 × 10 cm – 840 / 720 / - films/h (3 × parallel) 18 × 24 cm – 258 / 222 / 172 films/h (2 × parallel) 24 × 30 cm – 129 / 111 / 86 films/h 35 × 43 cm – 75 / 64 / 50 films/h
Tank volumes:	each 5 l (dev. / fix. / water)
Developer temperature:	28 – 37 °C
Dryer temperature:	67 °C
Water consumption:	1,9 l / min. during processing
Energy consumption:	1,4 kWh during processing
Dimensions:	59 × 77 × 42 cm (w/d/h)
Weights:	35 / 50 kg (empty / filled)

EN 61010-1 / DIN 1988 T4, 12 UL 3101-1; CSA 22.2 / EN 50081-1 / EN 50082-1; 93-42/EEC / 73/23/EEC / 89/336/EEC

OPEN BASE TABLE FOR PROTEC® OPTIMAX® | 981011



Similar to illustration.

PROTEC® OPTIMAX 2010® | 983000
Automatic roller type processor for all standard medical X-ray films and mammography films. Table top unit. Automatic film detection, start/stop system and stand-by mode. Automatic replenishment according to film surface. Anticrystallization and anti-oxidation programs. Light protection cover for film in feed. Temperature selection for developer and fixer. Automatic circulation pump system and fresh water supply during processing with economy function.
110 V or 230 V - 50/60 Hz

Film formats:	10 × 10 cm to 36 cm width
Processing time:	90 - 180 sec.
Capacity / h:	10 × 10 cm – 840 films 18 × 24 cm – 258 films 24 × 30 cm – 129 films 35 × 43 cm – 75 films
Tank volumes:	each 5 l (dev. / fix. / water)
Developer temperature:	28 – 37 °C
Dryer temperature:	70 °C
Water consumption:	1,9 l / min. during processing
Energy consumption:	1,4 kWh during processing
Dimensions:	59 × 77 × 42 cm (w/d/h)
Weights:	35 / 50 kg (empty / full)

EN 61010-1 / DIN 1988 T4, 12 UL 3101-1; CSA 22.2 / EN 50081-1 / EN 50082-1; 93-42/EEC / 73/23/EEC / 89/336/EEC

AUTOMATIC PROCESSORS | ACCESSORIES | SPARE PARTS



Similar to illustration.

PROTEC® COMPACT 2® | 985000
Automatic roller type processor for all standard medical X-ray films and mammography films. Table top unit. Automatic film detection, start/stop system and stand-by mode. Automatic replenishment according to film surface. Anticrystallization and anti-oxidation programs. Light protection cover for film in feed. Temperature selection for developer and fixer. Automatic circulation pump system and fresh water supply during processing with economy function.
110 V or 230 V - 50/60 Hz

Film formats:	10 × 10 cm to 45 cm width
Processing time:	60 – 300 sec.
Capacity at 60 / 135 sec.:	10 × 10 cm – 3.020 films/h (3 × parallel) 18 × 24 cm – 697 / 310 films/h (2 × parallel) 24 × 30 cm – 348 / 155 films/h 35 × 43 cm – 245 / 109 films/h
Tank volumes:	each 5 l (dev. / fix. / water)
Developer temperature:	28 – 40 °C
Dryer temperature:	35 – 70 °C
Water consumption:	1,9 l / min. during processing
Energy consumption:	2,5 kWh during processing
Dimensions:	68 × 97 × 127 cm (w/d/h)
Weights:	91 / 129 kg – closed base (empty / filled) 77 / 115 kg – open base (empty / filled)

EN 61010-1 / DIN 1988 T4, 12 UL 3101-1; CSA 22.2 / EN 50081-1 / EN 50082-1; 93-42/EEC / 73/23/EEC / 89/336/EEC

CLOSED BASE CABINET COMPACT 2® | 985100

BASIC SPARE PARTS SET
Comprising valves - linear springs - splints - tooth gears - locks - micro switch - switches - temperature sensor - fuses - safety switches - bearings - worm drive - screws - film switch.

- For:
- OPTIMAX | 981091
 - OPTIMAX 2010 | 983091
 - COMPACT 2 | 985091

SPARE PARTS SET
Comprising of basic spare parts set plus: motor - heating element - solenoid valve - circulation pump - electronic board - PU rollers - rubber rollers - replenishment pump and others.

- For:
- OPTIMAX | 981092
 - OPTIMAX 2010 | 983092
 - COMPACT 2 | 985092

SPARE PARTS | 989999
For single spare parts.

AUTOMATIC PROCESSORS MAMMOGRAPHY



Similar to illustration.



Similar to illustration.

PROTEC® OPTIMAX MAMMO® | 981100

Automatic film processor for mammography films is especially optimized for processing mammography films. Using appropriate films and chemicals designated for mammography images, it provides high-contrast mammography images. The exclusive use of high quality components in combination with the one-piece body housing, ensure highest reliability. It goes without saying that we supply the OPTIMAX Mammo with everything that is needed for operation like light protection cover, replenishment containers and connecting hoses. The integrated stand-by mode reduces water and energy consumption. Film detection with a micro sensor enables intelligent and economic replenishment depending on the processed film surface. Thus the OPTIMAX Mammo helps saving chemicals and provides a constant high image quality. 110 V or 230 V - 50/60 Hz

Film formats:	10 × 10 cm to 36 cm width
Processing time:	90 / 105* / 135 / 167 sec. (* standard factory setting)
Capacity at 90 / 105 / 135 sec.:	10 × 10 cm – 840 / 720 / - films/h (3 × parallel) 18 × 24 cm – 258 / 222 / 172 films/h (2 × parallel) 24 × 30 cm – 129 / 111 / 86 films/h 35 × 43 cm – 75 / 64 / 50 films/h
Tank volumes:	each 5 l (dev. / fix. / water)
Developer temperature:	28 – 37 °C
Dryer temperature:	67 °C
Water consumption:	1,9 l / min. during processing
Energy consumption:	1,4 kWh during processing
Dimensions:	59 × 77 × 42 cm (w/d/h)
Weights:	35 / 50 kg (empty / filled)

PROTEC® COMPACT 2 MAMMO® | 986000

COMPACT 2 Mammo is our most powerful processor for perfect and fast processing of mammography films. Using appropriate films and chemicals designated for mammography images, it provides high-contrast mammography images. The one-piece body housing is unique for a heavy duty processor. In combination with the most robust components used for the COMPACT 2 Mammo it stands for reliability and precision. Film detection with four infrared sensors allows intelligent and economic replenishment depending on the processed film surface, with individually adjustable rates. This saves chemicals and provides high image quality constantly. Parameters like processing time, temperatures and replenishment rates can be set individually and stored in five different programs. In addition acoustic and visual controls make operation convenient and safe. The anti-crystallisation and anti-oxidation programs in combination with the continuous circulation of the chemicals ensure permanent readiness for use and consistent good image quality. 110 V or 230 V - 50/60 Hz

Film formats:	10 × 10 cm to 36 cm width
Processing time:	60 – 300 sec. (135 sec. for this unit)
Capacity at 60 / 135 sec.:	10 × 10 cm – 3.020 films/h (3 × parallel) 18 × 24 cm – 697 / 310 films/h (2 × parallel) 24 × 30 cm – 348 / 155 films/h 35 × 43 cm – 245 / 109 films/h
Tank volumes:	each 5 l (dev. / fix. / water)
Developer temperature:	28 – 40 °C
Dryer temperature:	35 – 70 °C
Water consumption:	1,9 l / min. during processing
Energy consumption:	2,5 kWh during processing
Dimensions:	68 × 97 × 127 cm (w/d/h)
Weights:	91 / 129 kg – closed base (empty / filled) 77 / 115 kg – open base (empty / filled)

AUTOMATIC PROCESSORS DENTAL

Similar to illustration.



DÜRR DENTAL XR 24 PRO | 924000

Development of all dental films and formats. Professional menu guidance at the push of a button. Process-controlled development process guarantees optimum image quality.

- Simpler service through supply of the machine data at the push of a button
- Very simple and time-saving in operation
- Floating covers prolong the service life of the chemicals
- Immersion tank technology ensures consistently high image quality by avoiding crystallisation of the chemicals
- Comprehensive accessories such as daylight and darkroom attachments, regeneration unit and collecting tank as well as X-ray chemicals and cleaning sets

Voltage (V):	230
Frequency (Hz):	50 - 60
Current consumption (A):	4.0
Power (W):	950
Heating capacity (W)	Bath heating 400, drying 450
Heating time	approx. 20 min (0.5°C / min)
Pass time (min)	2:45 – 20:00
Water flow rate (l/min)	2
Water pressure (bar)	min./max. 2/6
Tank volume (l)	Developer/fixer 5 each
Dimensions (w/d/h)	42 × 51 × 44 cm
Weight (kg)	25

GIRARDELLI X-3D | 913000

The GIRARDELLI X-3D immersion X-ray processor with integrated daylight attachment fulfils all present requirements of a modern and efficient developing automat.

- Processing under daylight conditions, a darkroom is not necessary
- When pressing the start button, the transport shaft and the dryer-blower are now operative
- At the end of the developing process, the appliance will be switched off by pressing the start button again
- A film clip for up to 3 films as well as a status development basket for up to 18 films are being used for the development of the intra-oral X-ray films
- Electronically regulated bath heating guarantees a steady temperature at all times
- Powerful dryer-blower for fast and efficient film drying

Operation voltage	220 – 240 V
Frequency	50/60 Hz
Power consumption	250 W
Run-through time	approx. 7 min.
Capacity of baths	3 × 1,75 l
Colour	upper part white, bottom part blue-grey
Weight	approx. 7 kg
Dimensions (w/d/h)	60 × 32 × 33 cm

Similar to illustration.





X-RAY UNITS

X-ray Units were designed, manufactured and marketed radiological systems for dental and medical applications. Leveraging more than 50 years of experience in X-ray field and the know-how covers all technologies which can create either a modern radiographic examination room as well as an efficient imaging integration of a comprehensive dental practice. From full-digital Radiographic/Fluoroscopic rooms up to dental 3D systems featuring innovative „Cone Beam“ technology, our catalogue permits a complete and flexible configuration of all systems, while our preventive maintenance programs and service contracts, totally adapted to customer's needs, are assuring a regular and qualified support for our partners worldwide. Furthermore you will find our portable X-ray units to have the distinction of being different specifications and features to the customer's request.

GENERAL RADIOGRAPHY SYSTEMS

Villa moviplan 800
Villa moviplan iC

CEILING TUBE STAND

Villa LEM Plus
Villa LEM Plus iC

R/F RADIOGRAPHY / FLUOROSCOPY SYSTEMS

Villa apollo
Villa apollo EZ DRF
Villa apollo EZ
Villa apollo DRF
Villa apollo DRF open

MOBILE RADIOGRAPHY UNITS

Villa Visitor T4
Villa Visitor T30C
Villa Visitor T30 C-DR
Villa Visitor T30 M
Villa Visitor T30 M-DR

R/F RADIOGRAPHY / FLUOROSCOPY SYSTEMS TILTING TABLES

Villa vision
Villa viromatic

MOBILE FLUOROSCOPY UNITS

Villa Arcovis 3000S
Villa Arcovis 3000R

MAMMOGRAPHY X-RAY UNITS

Villa Melody III
Villa Melody III D
Villa Melody III D TS

STRETCHER

TT 9201
TT9202

DR DIGITAL RADIOGRAPHY SYSTEMS

Villa Armonicus
Villa Moviplan iC / DR

DENTAL PANORAMIC SYSTEMS

DENTAL PANORAMIC SYSTEMS WITH CEPH.

DENTAL 3D CBCT SYSTEMS

INTRA ORAL IMAGING SOLUTIONS

Scanograph
Videograph

DENTAL INTRA ORAL X-RAY UNITS

DENTAL INTRAORAL – WALL
DENTAL INTRAORAL – MOBILE

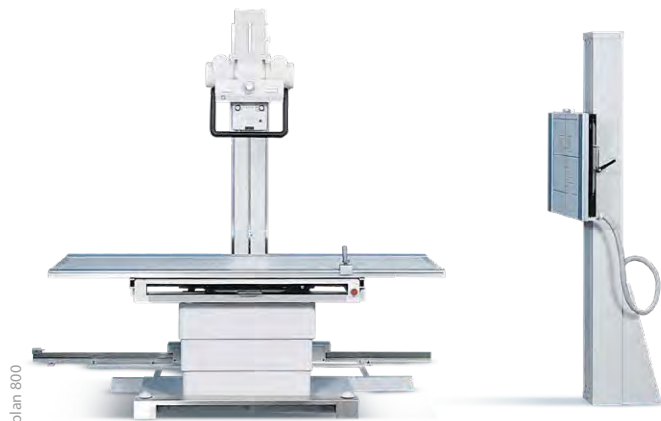
PORTABLE X-RAY UNITS

meX+20
meX+40
meX+60
meX+100
meX+20BT
meX+40BT

MOBILE STANDS

PXMS-1800
PXMS-2010

GENERAL RADIOGRAPHY SYSTEMS | CEILING TUBE STAND

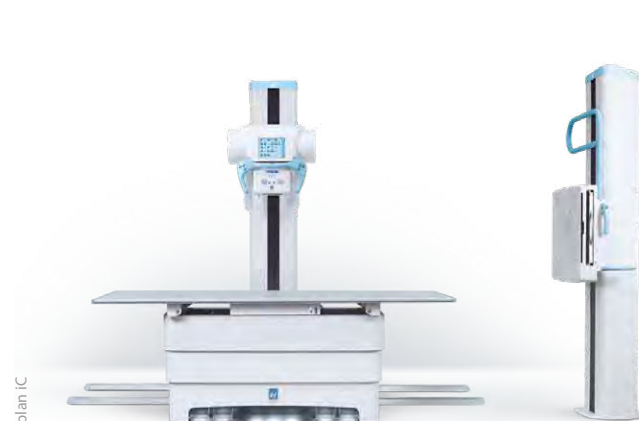


moviplan 800

GENERAL RADIOGRAPHY SYSTEMS | 950000

moviplan 800:

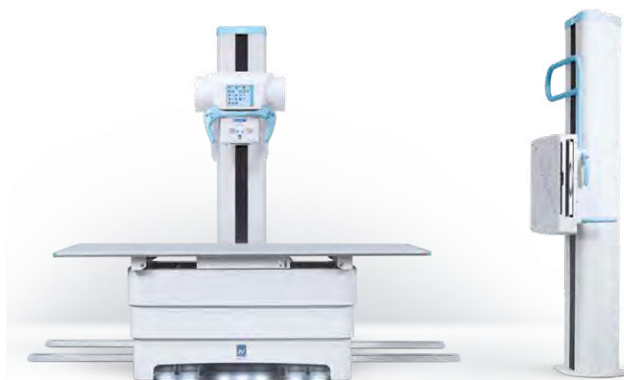
Moviplan 800 is a modular Bucky system suitable for general radiographic applications, musculoskeletal diagnostic room or in an Emergency ward, where the quality of the radiographic result must be combined with ease of use and speed of execution. Several configuration options are made to fit every need in terms of performance and application without forgetting your budget. Moviplan 800 can be equipped with different tubestands, HF generators, X-ray tubes and wall buckies to satisfy the requirements of the small private practice as well as the mid-sized public institution.



moviplan iC

moviplan iC:

Moviplan iC is the new generation bucky room that provides the modularity, usability and functionality needed in any radiological center that wants to easily increase productivity and efficiency in every working situation. The complete modularity facilitates configuration of a tailor made system able to fit every requirement. The extreme usability enables fast and intuitive control of the system that dramatically improves workflow. The full range of functionality converts the bucky room into a multipurpose system able to perform a wide range of exams on any patient.



LEM Plus iC

CEILING TUBE STAND | 951000

LEM Plus:

LEM Plus, for its versatility and for the wide choice of configurations is the ideal ceiling suspended tubestand for all types of radiology departments. The design of LEM Plus guarantees a high level of structural rigidity and sturdiness, together with reduced dimensions. The wide vertical and lateral run span allows for a highly effective use of the examination room space. When coupled to bucky tables, chest stands, or simple trolleys, excellent and immediate radiographic results can be obtained thanks to the ease and accuracy of positioning.

LEM Plus iC:

Lem Plus iC is the ceiling suspension tubestand designed for a seamless integration with Moviplan iC radiographic system. Distinctive feature of Lem Plus iC is the intuitive touch screen graphical user interface, and thanks to it the operator has the immediate control of main system parameters. Ergonomic handles with integrated pushbuttons for movements activation allow a rapid, effortless and precise positioning of the ceiling tubestand, while the wide lateral and vertical movements grant a complete coverage of the radiographic room. In the configuration with Moviplan iC table and new Lem Plus iC, Villa SM offers a modern and highly efficient radiographic system, able to enhance the productivity of every radiological department thanks to the maximum flexibility and functionality of the system.

R/F RADIOGRAPHY / FLUOROSCOPY SYSTEMS

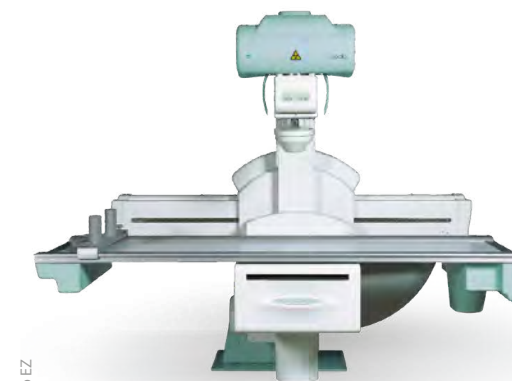


apollo

R/F RADIOGRAPHY / FLUOROSCOPY SYSTEMS | 952200

apollo:

Apollo is the next generation remote controlled RF system designed for maximum patient throughput and application flexibility. In the demanding environment of your imaging department, Apollo is one step ahead in the direction of efficiency. A perfect mix of flexibility, ease of use, image quality and connectivity allow you to get the best out your RF room.



apollo EZ

apollo EZ:

Apollo EZ represents the „Easy“ approach for the radiographic/fluoroscopic room and it comes from the experience of thousands of remote controlled tables manufactured by Villa Sistemi Medicali and distributed worldwide, to grant a compact and cost-effective solution for all the needs of radio-fluoroscopic imaging. Apollo EZ features series of peculiarities appositely developed to maximize the efficiency of your radiographic room and comes with a complete range of versions and configurations to satisfy any user's needs. A broad series of radiographic studies are granted by a superior flexibility and a comprehensive choice of fluoroscopic applications are obtainable with effortless procedures. Even in its entry-level configuration with analogical TV chain, Apollo EZ offers all the key benefits typical of a modern and sophisticated unit. A wide range of tubes and generators allows a complete customization of the unit, while its highly-performing mechanical structure makes possible a comprehensive variety of radiographic studies as well as fluoroscopic procedures. In order to dramatically improve the resolution of fluoroscopic dynamic studies, high resolution 1kx1k TV chains are also available in our catalogue



apollo EZ DRF

apollo EZ DRF:

Apollo EZ DRF is a remote controlled table that combines the compactness and versatility of the Apollo EZ with a powerful digital acquisition system based on 43x43cm dynamic Flat Panel detector. With a small footprint, it is the ideal solution for examination rooms with limited space available for the installation, while the digital acquisition system grants a complete coverage of the radiographic and fluoroscopic applications.



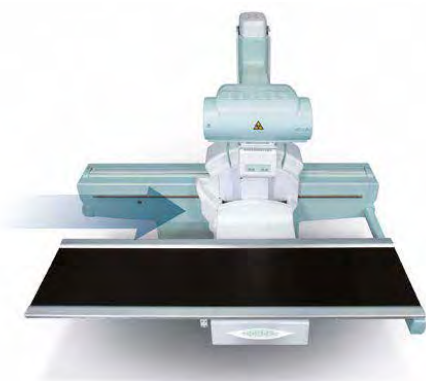
apollo DRF

apollo DRF:

Apollo DRF goes beyond the separation between radiography and fluoroscopy. The innovative Dynamic Flat Panel Detector operates as a full digital modality for both high resolution radiography and high frame rate fluoroscopy. Images are displayed instantly on the integrated console and all delays due to cassettes or CR plates handling are eliminated. The fully digital image processing and the high dynamic range compensates for exposure variances and allows extensive possibilities to optimize the exposure and processing parameters according to your preferences. According to your workload and patient workflow requirements, you can instantly switch from general radiographic studies, to high volume chest exams, trauma

R/F RADIOGRAPHY / FLUOROSCOPY SYSTEMS | MOBILE RADIOGRAPHY UNITS

apollo DRF open



exams, or contrast studies such as gastro-intestinal, urological and vascular investigations.

apollo DRF open:

Apollo DRF in its "Open" version is our premium digital remote controlled table that extends the diagnostic applications also to the interventional procedures thanks to the maximized access to the patient from every table's side.

Patient's care is maximized by different solutions that reduce the emitted dose, making it a versatile digital system suitable also for pediatric examinations. The acquisition system based on 43x43 cm dynamic Flat Panel detector allows to acquire every anatomic district, thanks also to special functions such as Digital Subtraction Angiography (DSA) and automatic Stitching.

visitor T4



MOBILE RADIOGRAPHY UNITS | 960000

visitor T4:

Visitor T4 is the entry-level model of our family of mobile units and it definitely represents the best compromise in terms of image quality, investment protection and capability to sustain demanding clinical needs. Despite the attractive price, Visitor T4 allows the users to rely on a very good performance: its 4 kW, 110 kV high frequency generator, together with the extremely light weight, make it suitable for most examinations performed in plaster rooms, emergency and health screenings contexts. With the aim to always result user-friendly for the operators, exposure parameters are set in a very intuitive way, through the keyboard mounted on-board. For appropriate visibility, the control panel integrates also an LCD alphanumeric display, showing all the operative parameters and messages of possible faulty status. Moreover, it's also available with an integrated dose-area product dosimeter, able to give you immediate feedback about the dose value delivered to the patient.

visitor T30 C:

Visitor T30 C simplifies the way you work: thanks to the compact mechanical structure, coming from a totally new project, Visitor T30 C overcomes the need to integrate a rotating arm, as its reduced dimensions permit an easy positioning even between beds. Thanks to its 32 kW, 125 kV high frequency generator and its rotating anode dual focus tube, Visitor T30 C is able to go through the high productivity required from an emergency context, as well as to sustain the exigent image quality needs asked by orthopedics, pediatric or surgery departments. The mobile unit is also available with an integrated dose-area product dosimeter, able to give you immediate feedback about the dose value delivered to the patient. Given that we know the importance of extending the range of applications towards digital technologies, the flexibility of the unit is further enhanced thanks to the possibility to upgrade the product on field with a portable Flat Panel.

visitor T30C



MOBILE RADIOGRAPHY UNITS

vision T30 C-DR



visitor T30 C-DR:

Visitor T30 C-DR uses the same radiological and mechanical platform of Visitor T30 C as a starting point, delivering the advantages of the digital technology as a result. The unit combines the peculiarities of flat panel detectors to the highly regarded experience on X-ray mobile units. Thanks to the enlarged 35x43 cm flat panel dimension, also big patients or wide anatomic districts can easily be accommodated on the detector. The flat panel is safely protected by an enclosure, providing the capability to be placed behind the region of the body to be exposed, similarly to a conventional film. The micro-processor controlled 32kW, 125kV high frequency generator and the rotating anode dual focus tube make the unit suitable to satisfy a wide range of needs in the routine examinations at patient bed and in the critical conditions of intensive care and recovery rooms. The connection between the detector and the unit can be wireless or with cable. Image are displayed in a few seconds on the integrated 19" touch screen monitor with absolutely no need to handle cassettes. The radiological parameters and the examination procedures are selected directly from the touch screen generator interface. The risk of mistakes associating patient data and images is dramatically reduced thanks to the integrated patient database management and to the worklist download DICOM function. Transfer of images to the DICOM hospital modalities for archiving, printing or CD burning is easy and immediate thorough DICOM dedicated functions. The optional integrated dosimeter makes the dose value immediately displayed on the image and available for sending to the PACS as DICOM tag.

visitor T30M-DR



vision T30 MR



visitor T30 M:

Designed on a brand-new mechanical platform, the motorized Visitor T30 M grants the maximum freedom of movement and efficiency to the user, thanks to the refined battery powered system allowing movements and exposures without connection to mains electricity. The unit gives the possibility to quickly access the patient areas, reaching also narrow spaces close to the patient's bed, where it allows an efficient positioning thanks to the $\pm 320^\circ$ rotating column and the telescopic arm supporting the tube head. A particular frontal bumper stops the movements in case of collisions. The 32kW - 125kV high frequency generator is designed for an adequate productivity in any working condition.

visitor T30 M-DR:

Visitor T30 M-DR, high-end digital motorized system, is positioned at the top of our mobile units offer. It grants the maximum freedom of movement and efficiency thanks to the refined battery powered system allowing movements and exposures without connection to mains electricity. The unit gives the possibility to quickly access the patient areas, reaching also narrow spaces close to the patient's bed, where it allows an efficient positioning thanks to the $\pm 320^\circ$ rotating column and the telescopic arm supporting the tube head. As the T30 DR version, the radiographic motorized system is available with a 35x43 cm detector, wireless or with cable, featuring excellent image quality and reduced dose. Image are displayed in a few seconds on the integrated 19" touch screen monitor with absolutely no need to handle cassettes. The radiological parameters and the examination procedures are selected directly from the touch screen generator interface. The risk of mistakes associating patient data and images is dramatically reduced thanks to the integrated patient database management and to the worklist download DICOM function. Transfer of images to the DICOM hospital modalities for archiving, printing or CD burning is easy and immediate thorough DICOM dedicated functions. The optional integrated dosimeter makes the dose value immediately displayed on the image and available for sending to the PACS as DICOM tag.

R/F RADIOGRAPHY / FLUOROSCOPY SYSTEMS TILTING TABLES | MOBILE FLUOROSCOPY UNITS



R/F RADIOGRAPHY / FLUOROSCOPY SYSTEMS TILTING TABLES | 952300

vision:

Vision is a high performance conventional R/F system from Villa Sistemi Medicali designed to perform all kinds of R/F studies with the maximum efficiency and ease. Thanks to its flexibility, user friendliness and compact dimensions Vision is the ideal choice for a „light“ R/F system. Vision can be equipped with different high frequency generators with power levels from 50 to 80kW and a wide range of X-ray tubes that can be chosen to comply with the requirements of your R/F room.

viromatic:

Viromatic is the first choice for all routine fluoroscopic and radiographic examinations. Clever modular design allows several possible configurations to fit every need of a primary diagnostic X-ray room.



MOBILE FLUOROSCOPY UNITS | 960500

arcovis 3000S:

Arcovis 3000 S is a new surgical C-arm unit providing the perfect balance between image quality, ease of positioning and ergonomics, for use in the critical environment of the operating theatre. The perfect weight distribution of the C-arm and the motorized vertical travel make Arcovis 3000 the ideal solution for real time imaging in surgery, orthopedics, angiography, interventional procedures, intensive care and casualty wards. Smooth surfaces facilitate cleaning and disinfection of the unit, while the tube head, Image intensifier and C-arm can be covered with easy to apply sterilizable drapes. The Arcovis 3000 S, with stationary anode, is provided with a 9" I.I. and can be chosen also in a version called "Compact", equipped with an on-board LCD monitor and doesn't require an external display trolley, reducing the number of devices in the operating area.

arcovis 3000R:

Arcovis 3000 is a new surgical C-arm unit providing the perfect balance between image quality, ease of positioning and ergonomics, for use in the critical environment of the operating theatre. The perfect weight distribution of the C-arm and the motorised vertical travel make Arcovis 3000 the ideal solution for real time imaging in surgery, orthopaedics, angiography, interventional procedures, intensive care and casualty wards. Smooth surfaces facilitate cleaning and disinfection of the unit, while the tubehead, Image intensifier and C-arm can be covered with easy to apply sterilizable drapes. The Arcovis 3000 R, with rotating anode, can be chosen with either 9" I.I. or 12" I.I., thus creating a complete range of products for applications in urology, cardiology, orthopaedics and general surgery. Arcovis 3000 R is available with power generator 4 kW and 15kW, in order to offer an increasingly wide range of products, both in terms of cost and performance.

MAMMOGRAPHY X-RAY UNITS | STRETCHER



melody III

MAMMOGRAPHY X-RAY UNITS | 961000

melody III:

The importance of mammography as a key in breast cancer screening protocols is well known. We are proud to introduce the Melody III, a new mammography unit combining high quality imaging with advanced ergonomics for the user. Thanks to the use of the most advanced technology, the accuracy of the exposures is always granting a precise diagnosis, yet special attention has always paid to the reduction of the radiation dose given to the patient. Integrated procedures for quality control and self-calibration make possible an accurate adjustment of the system's parameters, in order to assure the maximum reliability and repeatability of the diagnostic results.

melody IIID TS:

Melody IIID TS is the new member of Melody III family, stands out for the tomosynthesis function and for the renewed shape and design, in addition to an improvement of main functions. It is available in two versions:

Melody IIID TS/B – with tomosynthesis and ready for biopsy | Melody IIID/TS-B – ready for both tomosynthesis and biopsy



melody III D

melody III D:

Melody III D shares the same platform of the analog unit and features an innovative Flat Panel Detector that provide a very high image quality of mammography images, helping the doctor in the crucial identification and diagnosis of small lesions. Thanks to the use of the most advanced technology, the accuracy of the exposures is always granting a precise diagnosis, yet special attention has always paid to the reduction of the radiation dose given to the patient. A specific version of Melody III D is ready to operate with the cutting-edge digital breast tomosynthesis technology, that help the identification of small breast's lesions through improved quality and accuracy of mammography images.

STRETCHER | 952100

TT 9201:

Radiographic table with radio transparent patient table top mounted on swiveling wheels, two of which are equipped with lever for the brake activation. The patient table top is in plastic laminated radio transparent material with extruded aluminum lateral rails and guides for the accessories insertions. Practical hand grips placed on the head make the movements easier while the table top is made with care in order to permit its quick and easy cleanness. The table is especially adapt for the urgent radiologic investigation in the first aid departments.

TT9202:

The TT9201 stretcher, with the same features of the model TT9201 is equipped with an under table sliding frame, mechanically braked, that includes a cassette holder for cassettes of size up to 13 x 18 cm and 35 x 43 cm and fix grid.



DR DIGITAL RADIOGRAPHY SYSTEMS | DENTAL PANORAMIC SYSTEMS | DENTAL PANORAMIC SYSTEMS WITH CEPH.



DR DIGITAL RADIOGRAPHY SYSTEMS | 961500

armonicus:

Armonicus represents the new U-arm solution: a modern and efficient system integrating all our knowledge on Digital Radiography products and providing the effectiveness of DR for all facilities. Featuring a totally new positioning stand and a state-of-the-art 43x43 cm Amorphous Silicon Flat Panel Detector with Caesium Iodide Scintillator, Armonicus offers the possibility to be customized in all its principal parts, with a complete offer of generators, collimators and X-ray tubes from our wide components portfolio. Armonicus can be easily installed even in narrow spaces and its hardware does not need any extra room thanks to the compact control cabinet, yet can be integrated with a choice of mobile tables, standard or elevating.

moviplan iC/DR:

Moviplan iC in configuration with digital Flat Panel detectors is the new generation DR room that provides the modularity, usability and functionality needed in any radiological center that wants to easily increase productivity and efficiency in every working situation. The complete modularity facilitates configuration of a tailor made system able to fit every requirement. The extreme usability enables fast and intuitive control of the system that dramatically improves workflow. The full range of functionality converts the radiographic room into a multipurpose system able to perform a wide range of exams on any patient.

DENTAL 3D CBCT SYSTEMS

DENTAL 3D CBCT SYSTEMS | 901100



INTRA ORAL IMAGING SOLUTIONS



INTRA ORAL IMAGING SOLUTIONS scanograph | 902000



videograph | 902500

DENTAL PANORAMIC SYSTEMS | 901000

DENTAL PANORAMIC SYSTEMS WITH CEPH. | 901050

DENTAL INTRA ORAL X-RAY UNITS



DENTAL INTRAORAL – WALL | 907010

PORTABLE X-RAY UNITS



PORTABLE X-RAY UNITS | 969000

meX+20

- Lightest weight, compact size and durable cover
- Modern LED light
- High frequency technology enables clean diagnostic images
- Equipped with remote control functions by hand switch
- Auto distance control by dual laser
- Stable X-ray output with lowest ripple
- User - friendly handle bar for outdoor usage
- Flat touch panel, digital display, LCD display reverse
- Constant X-ray output without influence of line power fluctuation
- Strong body against external shock and contamination
- Up to 4 pre-set technique slots (PROM memory)
- 100 kV / 20 mA | 1.6 kW at 80 kV



meX+40

- Universal units for radiography application
- Modern LED light
- Light weight and compact size
- Exclusive remote control functions by hand switch
- Flat touch panel, digital display, LCD display reverse
- 8 pre-set technique slots (PROM memory)
- Equipped with laser beam
- 100 kV / 35 mA | 2,4 kW at 80 kV



DENTAL INTRAORAL – MOBILE | 907030



meX+60

- Universal units for radiography application
- Modern LED light
- Light weight and compact size
- Exclusive remote control functions by hand switch
- Flat touch panel, digital display, LCD display reverse
- 8 pre-set technique slots (PROM memory)
- Equipped with laser beam
- 100 kV / 60 mA | 3,2 kW at 80 kV



meX+100

- 5 kW, 110 kV / 100 mA
- Modern LED light
- High-performance capacitor for stable and reliable power supply
- Equipped with remote control functions by hand switch
- Flat touch panel, digital display, LCD display reverse
- Constant X-ray output without influence of line power fluctuation
- 330 pre-set technique slots (PROM memory)
- Automatic line voltage compensation
- 110 kV / 100 mA | 5,0 kW at 75 kV

PORTABLE X-RAY UNITS



meX+20BT

- Modern LED light
- Great advantage for outdoor radiography
- Innovative approach by high performance lithium-ion polymer battery
- Approx. 400 exposures by just one charging
- Strong body against external shock and contamination
- Exclusive remote controller using by hand switch
- Optional WiFi module available for working without any cables
- 100 kV / 20 mA | 1,6 kW at 80 kV



meX+40BT

- Great advantage for outdoor radiography
- Innovative approach by high performance lithium-ion polymer battery
- Up to 650 exposures by just one charging
- Clean diagnostic images by high frequency technology
- Exclusive remote controller using by hand switch
- Wireless DR interface (optional)
- Full charge only within 4 hours
- 100 kV / 35 mA | 2,4 kW at 80 kV

MOBILE STANDS



Similar to illustration.

MOBILE STANDS | 969090

PXMS-1800

- Height-adjustable arm (max. height of 180 cm)
- Easy to dis/assemble for transportation by car
- Compatible with the following devices: meX+20BT, meX+40BT, meX+20, meX+40, meX+60



Similar to illustration.

PXMS-2010

- Mobile stand for meX+100
- Easy handling by gas spring technology
- Folding and easy to transport
- Max. height of 210 cm



MRI PROTECTION

Magnetic resonance imaging (MRI) is a medical imaging technique used in radiology to form pictures of the anatomy and the physiological processes of the body in both health and disease. MRI scanners use strong magnetic fields, radio waves and field gradients to generate images of the organs in the body.

Magnetic Resonance Imaging is abbreviated to „MRI“ or „MR“. The terms are interchangeable. We are able to supply a complete product range for the MRI field. These are mainly accessories, transportations and protection which enable an easy treatment of the patients. Furthermore the products have to be suitable for MRI - especially tested from Tesla. The new MR SAFE may only be applied if the item is 100% safe, without exception, regardless of field strength or any environmental or extenuating circumstances.

MRI EAR PROTECTION

- MRI Earplug
- MRI Earphone
- MRI Minimuffs
- MRI Hygienic Disposable Coatings
- MRI Hygienic Layer for Acoustic Earmuffs

MRI EYE PROTECTION

- MRI Eye Cover
- MRI Prism Glasses
- MRI Set Of Corrective Spectacles

MRI ACCESSORIES

- MRI Skin Marker / MR-Spots
- MRI Disposable Electrode
- MRI IV Bottle Holder
- MRI Foot Steps
- MRI Waste Bin

MRI SAFETY

- MRI Entrance Barrier
- MRI Metal Detector – Hand
- MRI Metal Detector – FERROGUARD®
- Freestanding System
- MRI Metal Detector – FERROGUARD®
- Wall Mounted System

MRI TRANSPORTATION

- MRI Folding Portering Chair
- MRI Folding Bariatric Chair
- MRI Portering Chair
- MRI FOLDING WHEELCHAIR
- MRI Wheelchair – Easyroller
- MRI Height Trolley – Adjustable
- MRI Height Trolley – Fixed
- MRI Cube Trolley
- MRI Paediatric Trolley – Adjustable
- MRI Paediatric Trolley – Fixed

MRI PAEDIATRIC POSITIONING

- Cocoon Infant
- MRI Paediatric Securing System
- MRI Paediatric Securing System

MRI MONITORING

- MRI Patient Monitor – TESLA M3®
- MRI TESLA DUO®

MRI FURNITURE

- MRI Trolley – Open
- MRI Trolley – Drawers
- MRI Trolley – Hygienic
- MRI Trolley – Instruments
- MRI Trolley – Laundry

MRI EAR PROTECTION

Similar to illustration.



MRI EARPLUG | 690001

Dispenser of 200 pairs. Noise protection of 35 dB (SNR)

Similar to illustration.



MRI EARPHONE | 690002

Protects patient hearing and reduces MRI scanning noise. Different models depending on the dB value.

Similar to illustration.



MRI MINIMUFFS | 690003

Designed specifically for premature babies, Natus MiniMuffs Noise Attenuators protect their sensitive ears, and provide a safe environment for healthy development.

Featuring:

- ear protector specially designed for premature babies
- noise reduction of 7 dB
- Results in a reduction of sound pressure level of more than 50%
- safe and comfortable
- Fits comfortably around the baby's ears with a soft foam oval-shaped design, and gentle hydrogel adhesive
- Meets infection control standards through single-patient use design

Similar to illustration.



MRI HYGIENIC DISPOSABLE COATINGS | 690004

Featuring:

- for all types of pneumatic ear protectors
- stretchable of 11-17 cm diameter
- 100 coatings packed in sealed bag
- no cleaning or disinfectants
- pleasant latex-free material
- 1 sales unit = 100 coatings

Similar to illustration.



MRI HYGIENIC LAYER FOR ACOUSTIC EARMUFFS | 690005

Featuring:

- self-adhesive layer for all acoustic earmuffs
- absorb sudor in hot and damp work environment
- allows a high comfort and hygienic
- material is dermatologically tested
- long life cycle of the ear seals
- sales unit = 200 pcs (100 pairs)

MRI EYE PROTECTION

Similar to illustration.



MRI EYE COVER | 690010

Featuring:

- patient will be block off from visual diversion during the scan

Similar to illustration.



MRI PRISM GLASSES | 690011

Special glasses to reduce anxiety and movement due to claustrophobia.

Different models available.



Similar to illustration.

MRI SET OF CORRECTIVE SPECTACLES | 690012

Set with 18 lenses.

Featuring:

- Corrective spectacles - starter set with 18 lenses (dioptré values -5/-4/-3/-2/-1/0/+1/+2/+3)
- allows patients with amblyopia to see acute in MR-tunnel, expansion of visual field avoid feelings of claustrophobia, to see DVDs on MRI suitable video system
- all lenses are marked with the dioptré value, easy to exchange
- spectacle frame are equipped with soft silicone pads on nose and both temples
- adjustable headband ensures a safety and pleasant antimagnetic glass
- offers a large field of view without steamed over
- suitable for fMRI, PET, CT applications
- inclusive cleaning wipe, transport case and glass cleaner

MRI ACCESSORIES

Similar to illustration.



MRI SKIN MARKER / MR-SPOTS® | 690020

Designed for small field of view imaging within MRI, PinPoint provides technologists with the ability to position a marker precisely on a patient's point of pain or a specifically identifiable area of interest.

Different sizes available.

Similar to illustration.



MRI DISPOSABLE ELECTRODE | 690030

Tab electrode 22 x 34 mm, 1 sales unit = 30 pcs.

Featuring:

- carbon-button with white foam
- solid gel
- diameter of 40 mm
- radioluscent

MRI ACCESSORIES



MRI IV BOTTLE HOLDER - SIMPLE | 690040

Similar to illustration.



MRI FOOTSTEP | 690050
Different sizes and models available.

Similar to illustration.



MRI WASTE BIN | 690060
Different sizes and models available.

MRI SAFETY



Similar to illustration.

MRI ENTRANCE BARRIER | 690100

A sign or barrier that warn at an entry into the MRI environment of potentially dangerous metallic objects. This sign or barrier is placed on the door to avoid of a potential intrusion.



Similar to illustration.

MRI METAL DETECTOR - HAND | 690101

To locate metallic, magnetic objects at the examined patients.



Similar to illustration.

MRI METAL DETECTOR - FERROGUARD® FREESTANDING SYSTEM | 690102

Freestanding model.
Ferroguard® is a patented screening system designed to prevent patient injury and equipment damage that can occur when ferromagnetic objects are brought into the magnetic field of an MRI unit.



Similar to illustration.



MRI METAL DETECTOR - FERROGUARD® WALL MOUNTED SYSTEM | 690103

Wall mounted metal detector pair.
Ferroguard® is a patented screening system designed to prevent patient injury and equipment damage that can occur when ferromagnetic objects are brought into the magnetic field of an MRI unit.

MRI TRANSPORTATION

Similar to illustration.



MRI FOLDING PORTERING CHAIR | 690200

Featuring:

- providing safe transfer to and from the MRI suite with the benefit of being able to fold neatly away for storage
- this is achieved by simply lifting the seat
- manufactured in aluminium with a powder coated finish and wipe clean ribbed vinyl
- this chair has two 125mm swivel and braking castors fitted to the front with two 315mm wheels at the rear
- welded seams to assist with infection control procedures
- adjustable flip up foot rests are removable
- raise and lower arm rests to ease patient transfer
- safely transports patients up to 200 kg (440 lb)
- according to FDA 510(K) approved
- fully tested to 7 Tesla
- Dimensions: 65 x 116 x 96,5 cm (W/D/H)
- Folded - width: 38,5 cm
- Seat dimension: 48 x 41 cm (H/D)

Similar to illustration.



MRI FOLDING BARIATRIC CHAIR | 690201

Featuring:

- this new chair has been designed specifically to transport bariatric patients to and from the MRI suite and is MR safe
- with the increase of obesity becoming more of an issue in recent years, this chair allows patients to be transported safely to an open scanner
- with no magnetic parts included in the design, the chair can transport the patient in to the scanner room
- is approximately 30% wider than our standard portering chair and has been weight tested to 300 kg (approx. 47 stone)
- fully tested to 7 Tesla
- Dimensions: 74,2 x 105,5 x 92,5 cm (W/D/H)
- Folded dimension: 47,5 x 55 cm (W/D)
- Seat dimension: 55 x 63 cm (H/D)

Similar to illustration.



MRI PORTERING CHAIR | 690210

Featuring:

- basic Portering Chair offers excellent value for money
- manufactured in aluminium with a powder coated finish
- the seat and back are finished in high density foam, covered in a flame retardant, wipe clean material with welded seams
- non marking, low rolling castors with foot operated brakes to the rear
- up and down (below seat level) armrests allowing easier access and patient transfer
- retractable footrests with anti-slip covering
- safely transports patients up to 220 kg (490 lb)
- fully tested to 7 Tesla
- Dimensions: 65 x 95 x 105 cm (W/D/H)
- Seat dimension: 51 x 39 cm (H/D)

MRI TRANSPORTATION

Similar to illustration.



MRI FOLDING WHEELCHAIR | 690220

Featuring:

- specifically designed for use in and around the MR suite
- product is MR conditional as specified by ASTM standards
- optional IV pole and cylinder holder attachments
- swing away footrests and detachable armrests
- rear storage pocket on the back of the chair has „MR“ prominently displayed reducing the possibility of it being confused with a standard wheelchair
- maximum weight capacity 113 kg (250 lbs)
- fully tested to 3 Tesla
- all transportation products are CE marked
- Dimensions: 65 x 110 x 87,5 cm (W/D/H)
- Depth with footrests
- Folded (width): 28 cm
- Seat dimension: 45 x 40 cm (H/D)

Similar to illustration.



MRI WHEELCHAIR - EASYROLLER | 690221

Featuring:

- manual wheelchair made from 100% environmentally friendly thermoplastic
- this chair can be used in any hospital department but is particularly suited to the MRI environment
- conventional wheelchairs contain metal which make it impossible to enter an MRI room
- contains no metal and patients can be transported closely to the MRI machine
- has no parts that can be removed and demands very little maintenance and is easy to manoeuvre
- has a moulded footrest and the back, seat and armrests are upholstered for comfort
- Nylon parking brakes
- tilting security
- footrest
- clothes protection
- driving handles
- optional extra: safety belt
- patients up to 150 kg (330 lbs) static weight
- fully tested to 7 Tesla
- all transportation products are CE marked
- Dimensions: 67 x 82,5 x 105 cm (W/D/H)

Similar to illustration.



MRI HEIGHT TROLLEY – ADJUSTABLE | 690300

Featuring:

- the MR Safe adjustable height trolley is fully tested at 7 Tesla
- with Trendelenberg supplied as standard, the weight bearing capacity has significantly increased to 220 kg (490 lbs)
- hydraulic dual pedal pump for ease of elevation and patient comfort
- folding cot sides
- flame retardant, high density mattress in a wipe clean material with welded seams to prevent the spread of infection
- adjustable backrest
- trolley fitted with corner buffering for protection
- fitted with non-marking, low rolling castors and foot operated brakes
- IV pole with four fixing points as standard
- finished in hardwearing epoxy powder coating
- optional extra: oxygen cylinder holder

Dimensions:

- Maximum Height 94 cm
- Minimum Height 49,5 cm (to table top)
- Mattress Thickness 5 cm
- Overall Size of Top Section 215 x 68 cm (L/W) | Overall Size of Base 147,5 x 61 cm (L/W)
- Replacement mattresses are available to prolong the life of all trolleys

MRI TRANSPORTATION

Similar to illustration.



MRI HEIGHT TROLLEY – FIXED | 690310

Featuring:

- manufactured with the same basic features as the adjustable height trolley
- the fixed height trolley is manufactured to a specific table height to suit individual customer requirements
- fully tested at 7 Tesla
- with Trendelenberg supplied as standard, the weight bearing capacity has significantly increased to 220 kg (490 lbs)
- flame retardant, high density mattress in a wipe clean material with welded seams to prevent the spread of infection
- adjustable backrest
- trolley fitted with corner buffering for protection
- fitted with non marking, low rolling castors and foot operated brakes
- IV pole with four fixing points as standard
- finished in hardwearing epoxy powder coating
- the maximum height stated is a guide
- dimensions outside of this range can be accommodated

Dimensions:

- Maximum Height 110 cm
- Minimum Height 63 cm (to table top)
- Mattress Thickness 5 cm
- Overall Size of Top Section 215 x 68 cm (L/W) | Overall Size of Base 147,5 x 61 cm (L/W)

MRI CUBE TROLLEY | 690315

Featuring:

- is MR Conditional up to and including 7 Tesla
- a versatile trolley that fits neatly into a corner when not in use
- is a full sized adult trolley that can be 'folded' and is ideal for where space is a premium
- has a raise and lower adjustable back rest, fold down cot sides and four lockable castors
- supplied with a 5 cm thick stitched mattress

Optional extras available include:

- mattresses with welded seams
- memory foam and pressure relief
- IV Pole
- oxygen cylinder holder
- cot bumpers

- other RAL colours are also available
- Dimensions: 192 x 62 x 87,5 cm (L/W/H) length open
- Dimensions: 82 x 62 x 87,5 cm (L/W/H) length folded
- Weight: max. 180 kg (397 lbs)

Similar to illustration.



MRI TRANSPORTATION



Similar to illustration.

MRI PAEDIATRIC TROLLEY – ADJUSTABLE | 690320

Featuring:

- adjustable paediatric trolley
- specifically designed for the safe transportation of infants and young children to the MR suite
- has the same design features as our popular adult trolleys with adjustable height
- the cot sides drop down and are fitted with protective buffers for patient safety
- maximum heights given are a guide
- mattress thickness 5 cm
- Dimensions outside of this range can be accommodated

Dimensions / Adjustable height:

- Maximum Height 94 cm
- Minimum Height 54 cm (to table top)
- Overall Size of Top Section 171 x 68 cm (L/W) | Overall Size of Base 147,5 x 61 cm (L/W)
- Cot Side | 115 x 22,5 cm (L/W) above trolley top



Similar to illustration.

MRI PAEDIATRIC TROLLEY – FIXED | 690321

Featuring:

- fixed height paediatric trolley
- specifically designed for the safe transportation of infants and young children to the MR suite
- has the same design features as our popular adult trolleys with fixed height
- the cot sides drop down and are fitted with protective buffers for patient safety
- maximum heights given are a guide
- mattress thickness 5 cm
- Dimensions outside of this range can be accommodated

Dimensions / Fixed height:

- Maximum Height 110 cm
- Minimum Height 63 cm (to table top)
- Overall Size of Top Section 171 x 68 cm (L/W) | Overall Size of Base 147,5 x 61 cm (L/W)
- Cot Side 115 x 22,5 cm (L/W) above trolley top

MRI PAEDIATRIC POSITIONING



Similar to illustration.

MRI COCOON – INFANT | 690410

Featuring:

- infant cocoon, a single coil that caters for the needs of infants
- ideal for high-resolution brain, spine, cardiac and torso MR imaging of pre-term babies and small infants in one patient setting

Application

- high resolution brain, spine, cardiac and torso MR imaging and spectroscopy in the 95th percentile of premature babies, term newborns and young infants ages 0-6 months
- this is a 'one coil does it all' for infants
- custom coil design accommodates sick premature babies to young infants
- optimised design offers enhanced signal-to-noise and a high degree of uniformity over the brain, neck, spine, heart, torso and extremities of newborns and young infants

Compatibility

- the infant cocoon is compatible to 1.5 Tesla MR and 3.0 Tesla MR scanners from major manufacturers
- best suited for use with parallel imaging techniques offered by MRI OEM's

Package

- the infant cocoon package includes the infant head/spine/cardiac array, pads and immobilisation straps to ensure proper positioning without compromising the safety or comfort of the infant
- To guarantee warranty and MR safety only trained personnel should undertake any maintenance on these products.

MRI PAEDIATRIC POSITIONING



Similar to illustration.

MRI PAEDIATRIC SECURING SYSTEM | 690420

Fixed equipment.

Featuring:

- this securing system is compatible with all medical imaging techniques including MRI, CT, X-ray and Ultrasound (e.g. of the hip), all in the horizontal position
- this new system has been developed for young children up to 10 kg
- it is simple to set up and due to its soft mattress and securing strips very comfortable for the child
- thanks to the air mattress the patient has an optimal comfort position which makes the medical examination less stressful
- the patient securing positions are made by using the new super soft 'magic strips' straps
- these straps have superseded the Velcro® method of securing in line with infection control procedures
- this system permits the child to feel safe, comfortably and totally relaxed

Product Description:

- 1 x patient board tray
- 1 x inflatable mattress
- 4 x 'magic strip' straps
- 1 x pair of wrist straps

Technical Data

- safety weight limit is 10 kg
- magic strips are 200 x 6 cm in length
- patient tray is 84 x 34 cm (L/W).
- weight of empty patient tray is 2 kg

- board material is polycarbonate 6 mm thick
- storage temperature: +5°C to +40°C
- humidity: 10% to 90%
- classification: CE 93/42/CEE: Class 1
- MR Conditional to 3 Tesla



Similar to illustration.

MRI PAEDIATRIC SECURING SYSTEM | 690421

Rotate equipment.

Featuring:

- this securing system is compatible with all medical imaging techniques including MRI, CT, X-ray and Ultrasound (e.g. of the hip), all in the horizontal position
- this new system has been developed for young children up to 10 kg
- it is simple to set up and due to its soft mattress and securing strips very comfortable for the child
- thanks to the air mattress the patient has an optimal comfort position which makes the medical examination less stressful
- enables the child's to be scanned with 3 positions of angle 0°, 45° and 90°.
- the patient securing positions are made by using the new super soft 'magic strips' straps
- these straps have superseded the Velcro® method of securing in line with infection control procedures
- this system permits the child to feel safe, comfortably and totally relaxed
- there are no screws or buttons
- a simple adjustment is required to set the height and any angle of rotation setting

Product Description:

- 1 x patient board tray with rotation system
- 1 x inflatable mattress
- 4 x 'magic strip' straps
- 1 x pair of wrist straps

Technical Data

- safety weight limit is 10 kg
- magic strips are 200 x 6 cm in length
- patient tray is 84 x 34 cm (L/W).
- weight of empty patient tray is 2 kg
- board material is polycarbonate 6 mm thick

- storage temperature: +5°C to +40°C
- humidity: 10% to 90%
- classification: CE 93/42/CEE: Class 1
- MR Conditional to 3 Tesla

MRI MONITORING



MRI PATIENT MONITOR - TESLA M3® | 690500

Featuring:

- the Tesla M3® has been specifically developed for monitoring during MRI examinations
- the monitor and user interface have been designed in co-operation with clinical users and fulfil all the requirements of a modern patient monitor
- easy handling of sensors and accessories, and the intuitive user menu have been the driving force during the development of the Tesla M3®
- the Tesla M3® can be configured according to your individual needs and all components can be upgraded at any time
- wireless SpO2 and ECG sensors make it easy and convenient to connect the patient to the monitor

Features include:

- 15" multi colour touch screen
- up to 6 waveforms can be displayed
- wireless ECG and pulse oximetry
- up to 2 channels each of IBP and temperature
- automatic gas analysis
- wireless 15" multi colour touch screen/remote control
- suitable for use up to and including 3.0T
- advanced digital filtering of ECG
- mains or battery operation
- accessories to suit all patient groups

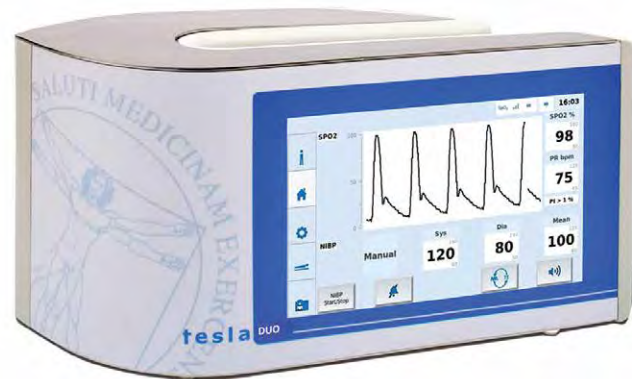
MRI TESLA DUO® | 690502

Featuring:

- Tesla duo® combines monitoring of arterial oxygen saturation and measurement of non-invasive blood pressure in one compact unit
- Tesla duo® and all accessories are approved for a magnetic field strength of up to 3 Tesla
- The wireless SpO2 sensor allows great flexibility for patient positioning and can be fixed to the patient easily and comfortably
- The MRI monitor is available in 3 different configurations:
 - Option pulse oximetry (SpO2): A
 - Option non invasive blood pressure (NIBP): B
 - Option pulse oximetry (SpO2) and non invasive blood pressure: C

- Tesla duo® is easily operated using the 7 inch Touch Display
- With the dual screen you can display the saturation curve with smaller figures or larger figures
- All Parameter menus can be activated directly in the main screen and are intuitive to handle.

- Integrated Trend Memory
- USB Interface
- 6 NIBP Intervals
- Infrared remote control for operation from the control room
- Optical and audible Alarms
- Optional cardiac gating (only for Siemens MRI Scanners)
- Two Year Warranty



MRI FURNITURE

Similar to illustration.



MRI TROLLEY – OPEN | 690600

Mobile transport trolley. Different sizes and models available.

Similar to illustration.



MRI TROLLEY – DRAWERS | 690601

Mobile transport trolley with drawers. Different sizes available.

Similar to illustration.



MRI TROLLEY – HYGIENIC | 690602

Mobile hygienic trolley. Different sizes available.

Similar to illustration.



MRI TROLLEY – INSTRUMENTS | 690603

Mobile instrument trolley. Different models available.

Similar to illustration.



MRI TROLLEY – LAUNDRY | 690604

Mobile laundry trolley. Different models available.



IMPRINT

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