Product catalogue 2015



Medical Innovation Design



Medical Innovation Design MID AB

Medical Innovation Design, MID, is an innovation company located in Stockholm. MID was founded in 2004 by Ylva Ryngebo, registered radiographer and inventor.

MID's core business is development, innovation and design of products within healthcare; with special focus on radiology.

"We specialize on products used daily within healthcare; products to help us do a better and safer job, for patients as well as for the hospital staff.

Our products help to lower the radiation dose, to make the examinations safer and that the results of the images are of good quality", says Ylva Ryngebo, CEO and founder of MID.



The MID products stand for high quality, practical and attractive design and an innovative way of thinking.

Now you also find external innovations and products in the MID assortment; innovations created by Swedish radiologists, radiographers and physicists.



Ylva Ryngebo CEO, Founder & Inventor.

EUWINN International platinum inventor winner 2013

Ylva is a registered radiographer and an inventor. She uses her many years of healthcare experience to create products that matter, everyday, for patients and for the hospital staff. Ylva is, besides being an inventor, an entrepreneur and a registered radiographer, an appreciated speaker at healthcare and innovation events. She is also an enthusiast in the aim to make healthcare better and safer.

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X-ray protection the MID way TM

MID PRODUCTS

Find your MID products in the catalogue:

Marking /
Calibration /
Measurement

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Mammography

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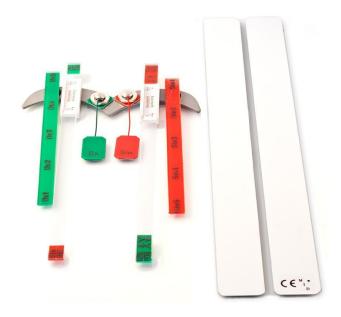
Easymark Dx-Sin

Part No. EM05 010

Earned the City of Stockholm Inventor Award in 2004. You can also find it at the National Museum of Science and Technology in Stockholm

Marking system design for the digital radiology environment

- Hygienic and easy to use
- Lead-free engravings
- Colour coded details for safer markings
- Also available with engravings R (Right) and L (Left)



- Magnetic holder and Dx-Sin stick
- Magnetic holder and Dx-Sin stick with marking symbol for standing
- Plastic Dx label with magnet holder
- Plastic Sin label with magnet holder
- Metal strips for detector (2 pcs)
- Storing Gull metal holder for easy storing of Easymark Dx-Sin

Accessories and parts to Easymark Dx-Sin also available separate - page 5-7



Accessories - Easymark Dx-Sin

Part No. EM05 011

- Magnetic holder and Dx-Sin stick
- Also available with engravings R (Right) and L (Left)



Part No. EM05 012

- Magnetic holder and Dx-Sin stick with marking symbol for standing
- Also available with engravings R (Right) and L (Left)



Part No. EM05 013PA

- Marking stick (15cm) with magnetic holder for e.g. PA lungs
- Also available with engravings R (Right) and L (Left)



Part No. EM05 014

- Stick for fingers Dx
- Also available with engravings R (Right) and L (Left)



Part No. EM05 015

- Stick for fingers Sin
- Also available with engravings R (Right) and L (Left)





Accessories - Easymark Dx-Sin

Part No. EM05 016

- Plastic Dx label with metal button and magnetic holder
- Also available with engravings R (Right)



Part No. EM05 017

- Plastic Sin label with metal button and magnetic holder
- Also available with engravings *L* (Left)



Part No. EM05 022

- Plastic Dx label with metal button
- Also available with engravings R (Right)



Part No. EM05 023

- Plastic Sin label with metal button
- Also available with engravings *L* (Left)



Part No. EM05 018

- Magnetic holder green/Dx



Part No. EM05 019

- Magnetic holder red/Sin





Accessories - Easymark Dx-Sin

Part No. EM05 020

- Metal strips for detector
- Use with Easymark Dx-Sin marking sticks





Part No. EM05 021

- Storing Gull silver
- For storing Easymark Dx-Sin on the wall



Part No. LIO1 01

- Ruler with Tungsten engravings; visible on X-ray



FLEXitMarker

Developed in cooperation with KBF Röntgen Group AB

Hygienic marking stick Dx and Sin; pocket model

- Marking can always be upright on X-ray
- Also available with engravings R (Right) and L (Left)

Part No. KBFMID 01

- Folding model
- Folded 8,5 cm, straight 18,5 cm



Part No. KBFMID 02

- Straight model
- Carbon fiber
- Folded marks 15 cm, straight 18 cm





Sidemarker CT/MRT

Developed by Michael Söderman; M.D., Ph.D and Chief of Neuroangiographic Dept, Karolinska University Hospital in Solna, and Gunnar Larsson, Plastteknik i Ostvik AB.



Safe and hygienic side marking system designed for CT and MRI



Part No. SM01 01

- Sidemarker CT/R (Right)
- Holder included



Part No. SM01 02

- Sidemarker CT/L (Left)
- Holder included



Part No. SM02 01

- Sidemarker MRI/R (Right)
- Holder included



Part No. SM02 02

- Sidemarker MRI/L (Left)
- Holder included



SOPHIA

Part No. SB12 01

Ruler specially designed for measuring pelvic dimensions for childbirth

- Hygienic ruler with encapsulated engravings of Tungsten
- Scale 0-30cm. Marks each millimeter
- Soft bevelled edges for comfort
- Hanger for storing included



CK-Bullit Part No. NO09 01

Developed in cooperation with Margaretha Lindqvist, Umeå University Hospital, Radiology

Calibration tool - size reference for knee and foot prostheses

- Bullet is 30 mm in diameter





Bullit Part No. KBF B1

Developed by KBF Röntgen Group AB

Calibration phantom for hip grafts

- Bullet is 30 mm in diameter
- Engraved Dx-Sin marking stick 30 mm included
- Tungsten engravings "Dx", "Sin" and "30mm" on the wedge
- Markings show on the images
- Black/silver



Ruler with Tungsten engravings

Part No. LIO1 01

- Tungsten engravings; visible on X-ray
- For measuring up to 20 cm





Anglemarker by MID

Part No. AMO1 01

Flexible measurements for arms and legs

Anglemarker's design is like a "folding fan"; it's flexible and follows the shape of the arm or leg

- Elastic nylon strap with a plastic clasp holds the Anglemarker in place during the examination
- Engraved numeric scale of Tungsten is visible on X-ray
- The ruler is at the same height as the arm or leg; no magnification factor
- Fits both left and right arm/leg







Anglemarker is divided into two sections; one of 0-45 cm and the other 45-90 cm. By assembling the two sections, you enable measuring from 0 to 90 cm





MID-Comp

Compression device for conventional X-ray medical examination

- Safe and easy to apply due to the special construction
- Brackets available for most tables

3 cm compression reduces the patient dose with 50 %



MID-Comp with brackets available to the following tables:

Siemens Magnetline Artiz zee Multi-Purpose	incl. stand	Part No.	MC06 0300
Siemens Aristos Aristos FX	incl. stand	Part No.	MC06 0301
Siemens Ysio <i>Ysio</i>	incl. stand	Part No.	MC06 0308
Siemens Luminos		Part No.	MC06 0311
Philips Diagnost VM <i>Diagnost VM</i> Philips GML. <i>Multi Diagnos GML</i> .	incl. stand	Part No. Part No.	MC06 0304 MC06 0306
Carestream Health <i>DR7500</i>	incl. stand	Part No.	MC06 0305
Carestream Health SPT-1	incl. stand	Part No.	MC06 0307
Carestream Health DRX Evolution	incl. stand	Part No.	MC06 0313
Mediel Adora	incl. stand	Part No.	MC06 0303
Fujifilm AcSelerate		Part No.	MC06 0309
Agfa Healthcare		Part No.	MC06 0312

Accessories MID-Comp

Wall-mounted stand for MID-Comp

Part No. MC06 03

- For all MID-Comp brackets



Tungsten engraved "K" label

Part No. MC06 04

- For documenting Compression on X-ray
- When not in use, kept in place with Velcro straps on the MID-Comp handle
- Place it next to Side Marker (Dx-Sin) before X-ray examination









MID Compression pillows

Hygienic compression pillows, made of material with closed cells - optimized for X-ray

Part No. MC07 0301

MID Compression pillows Set

- Three pillows: Oval, Rectangle and Circle
- Oak hanger for storing



*Part No. MC07 0302*MID Compression pillow - Oval- For compression of abdomen



Part No. MC07 0303

MID Compression pillow - Rectangle

- For compression of lumbar spine



*Part No. MC07 0304*MID Compression pillow - Circle- For compression of pelvis L-5 frontal and hip



Part No. MC07 0305
Oak hanger for storing





X-Ray Gonad protection

Lead-free gonad shield

Use when the primary radiation field is less than 5 cm from the testicles. Reduces the dose of ionizing radiation to the testicles with about 97% at 70kV and about 94% at 100kV

- All Lead-free
- Good protection at frontal projection
- Easy and comfortable for the patient
- Easy to clean

X-Ray SR Part No. GS13 03

- Reduces the dose of ionizing radiation to the testicles with about 97% at 75-81kV and 94% at 100kV



X-Ray JR Part No. GS13 02

- Reduces the dose of ionizing radiation to the testicles with about 97% at 75-81kV and 94% at 100kV



X-Ray Boy from 4 years

- Reduces the dose of ionizing radiation to the testicles with about 97% at 75-81kV





X-Ray Baby 0 - 4 years

- Reduces the dose of ionizing radiation to the testicles with about 96% at 75kV

Part No. GS13 00





X-Ray Set

- Set of three gonad shields; SR, JR and Boy

Part No. GS13 04



MID-Sac Robban iv-Support

Part No. MS12 01

Hygienic support for arm/ hand at insertion of peripheral catheter

- EPS beads inside forms after the shape of the arm
- Taped seams, high elasticity
- Resistance to blood, urine and disinfectants
- Free from Azo, CFC, formaldehyde, PCT, PCP and PCB





MID-Sandbags

Support for examinations

- Flexible, safe and hygienic
- Double bags where the outer bag is made of a PVC-coated fabric; easy to clean.

Mary combination with handles

- Blue, pink or lime green
- Length 55 cm, width12cm. Weight 2,5 kg

Part No. SA01 01



Mary Flex

- Blue, pink or lime green
- Length 70 cm, width 10cm. Weight 2,5 kg

Part No. SA01 02





Mary Classic

- Blue, pink or lime green
- Length 35 cm, width 13 cm. Weight 2kg

Part No. SA01 03





Harald

Part No. HB08 01

Inventor: Harald Vahter, radiographer at Danderyd Hospital, Stockholm. Design and production: Medical Innovation Design MID AB

Holder for imaging plates and detectors

- Perfect for e.g. ICU lungs and hip axials



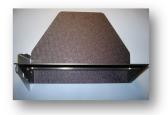


Harald Universal

Part No. HB08 02

Holder for imaging plates and detectors, adjustable

- Can be adjusted 2-4cm
- Fits most modern separate imaging plates and detectors
- Can be used together with raster
- Larger, more stable model compared to "Harald"
- Anti-tipper







Developed by KBF Röntgen Group AB

Ultra-light support for axially hip X-ray

AXiAL is made of 100% carbon fiber for the perfect axial image

- Straight through X-rays, minimal risk of artifacts
- Comfortable and stable support for the leg
- Easy to keep clean with alcohol
- Ultra-light; weighs about 1kg
- Flexible; three height options
- Sandbag *Licorice Flex* included







Sandbag *Licorice Flex* included to the AXiAL; perfect as extra support for e.g. pelvic and hop examinations, where the patient's foot or feet should be inturned. Also used as extra support around the base of AXiAL if needed

Calle. C Part No. CC12 01

Hygienic support at imaging of heel axials (Calcaneus axials)

- Adjustable length, fits most patients; even older children
- Steady construction with solid handles prevent it from slipping
- Easy to clean with alcohol
- Proper support for the upper sole of the foot







MID Opus Bedside

Part No. MM12 01

Minimizes heavy lifting at X-ray imaging of bedside lungs

MID Opus Bedside has a carbon fiber plate and a special PVC mattress to enable frontal and lateral projections of the lungs; not moving the patient

- Easy to handle, weighs 2,9 kg
- Resistant material easy to clean with alcohol
- Designed to easily glide in under the mattress
- Wall-mounted stand and a Sin mark for marking side included

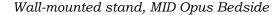




The detector/imaging plate is placed in a case under a disc of carbon fiber for the frontal lung X-ray image. For the lateral image, pull out the detector/imaging plate and place it on the side

For best support, use with Harald holder for imaging plates and detectors – page 17







Sin mark included

Accessories to MID Opus Bedside - see page 21



Accessories MID Opus Bedside

Grandell Support

Part No. GS12 01

Accessories MID Opus Bedside - arm belts and straps

When the patient is unable to hold up their arms at lateral projection. With Grandell Support, no hospital staff need to be in the room for the X-ray imaging; no extra radiation exposure

- Steady stand with adjustable arm belts, easy to attach to MID Opus Bedside
- Can also be used for anesthetized or unconcious patient, e.g. in ICU

Not to be used unattached to MID Opus Bedside





MID Opus Bedside & Grandell Support Part No. MG1201

Complete set

Complete set; MID Opus Bedside and Grandell Support







Uro-Comp

Part No. UC05 020

Compression device for Urographies

- Vertical compression; minimal force for optimal pressure
- Less risk of leakage
- Safer examinations with better imaging results
- More comfortable for the patient
- Easy to use; single compression belt design
- Easy to clean





Complete Uro-Comp:

- Compression board with clamp
- Compression blocks M 2 pcs
- Compression blocks L 2 pcs
- Compression belt, Medium
- Compression belt Large
- Wall-mounted stand





Accessories to Uro-Comp - see page 23



Accessories Uro-Comp

Part No. UC05 023

Compression board with clamp



Part No. UC05 024

Compression blocks Medium



Part No. UC05 025

Compression blocks Large



Part No. UC05 026

Compression belt Medium



Part No. UC05 027

Compression belt Large



Part No. UC05 028

Wall-mounted stand for Uro-Comp



Transducer holder

Part No. TSI 01

Idea: MTA Karolinska University Hospital Huddinge, Ultrasound section Design and production: Medical Innovation Design MID AB

Handy holder and storing for Siemens transducers For Sequoia, S2000 and SC2000 sensors with MP contact



.

- Fixed wall mount with room for 5 transducers
- Easily attaches in the same way as to the ultrasound machine
- Less risk of damages and wear damages
- Easier to quick find the correct transducer







MID-Sandbags CHILDREN

Supports and make examinations easier

- Flexible, safe and hygienic
- Double bags where the outer bag is made of PVC-coated fabric; easy to keep clean with alcohol
- Childproof details

Oinky Pig

- Pink
- Length 35 cm, width 15cm. Weight 2,5 kg

Part No. SA02 01



Flex Rat

- Greyish blue
- Length 70 cm, width 10 cm. Weight 2,5 kg

Part No. SA02 03



Humpty big bag

- Greyish blue
- Length 70 cm, width 18 cm. Weight 5 kg

Part No. SA02 04



MIDSac mini iv.support

Stick Support at blood sampling and / or insertion of iv. cannula in small children. *Available as pig, ladybug or turtle*

- Glued seams
- Hygienic vinyl material that can be disinfected
- Molds and fixes
- Functional like a smaller "vacuum sack"
- Small and easy to store in a puncturing table

When puncture in the small hand, the child may keep the animal's head.

Pig

Part No. MS14 01



Ladybug

Part No. MS14 02



Turtle

Part No. MS14 03



Set of three: pig/ladybug/turtle

Part No.. MS14 04



X-Ray Gonad Protection

Lead-free gonad shields

Use when the primary radiation field is less than 5 cm from the testicles

- All Lead-free
- Good protection at frontal projection
- Easy and comfortable for the patient
- Easy to clean

X-Ray Boy from 4 years

- Reduces the dose of ionizing radiation to the testicles with about 97% at 75-81kV

Part No. GS13 01



X-Ray Baby 0 - 4 years

- Reduces the dose of ionizing radiation to the testicles with about 96% at 75kV

Part No. GS13 00





Betty

Steady and painless support for children's hands at X-ray examinations

- Fixes and easily straightens the fingers without pain during exposure
- Piglet-shaped pillow works as support at turning movements included
- Carbon fiber disc minimizes the risk of artifacts
- 2 pcs Sandbag Oinky Pig can be used to hold the Betty disc steady

Betty for detector

- With 2 pcs Oinky Pig childproof details

Part No. BE09 02





Betty for detector

- Betty without Oinky Pig childproof details

Part No. BE09 03





MID Parva Pulm

Developed by hospital staff at Astrid Lindgren Children's Hospital, Pediatric Radiology department, in Solna. Design and production: Medical Innovation Design MID AB

Support for imaging plates at X-rays of children's lungs

For children up to 2 years

The child does not have to be moved between the projections; the imaging plates or detectors are easily placed horizontal under, or vertical beside the MID Parva Pulm; which is placed on top of the ordinary bed or gurney

MID Parva Pulm - including PVC-coated mattress

Part No. AS09 01

- For digital detectors and separate imaging plates
- Inner measurements for detector/imaging plate approx. 35 x 35 cm
- Length 70 cm, width 35 cm, weight 2,5 kg
- Resistant material; easy to clean
- Blue or green mattress



With special decoration

"Come Fly with Me"



Horizontal



Vertical

Mattress with PVC-coated fabric

Part No. AS09 03

- Length 70 cm, width 35 cm
- Ocean blue or lime green
- Designed for MID Parva Pulm radiation support for children.



AngioSupport

Part No. AS10 01

Developed in cooperation with S:t Görans Hospital and Danderyd Hospital, PCI sections

Radialis support made of Carbon fiber

Armrest designed for coronary angiographies through the Radial Artery

- Made entirely out of Carbon fiber and plastics; no metal
- No artifacts on X-ray images
- Disc of Carbon fiber where armrests for left and right arm can be attached
- Adjustable up and down, in and out
- Cushions with special design for best comfort and ergonomics
- Special support even for left Radial Artery





The Carbon fiber disc is placed under the mattress, gives no artifacts



Arm cushion right. Height 8 cm



Support cushion for shoulder, left and right

Special design cushions

- Taped seams
- High enlongation
- Resistance to blood and urine
- Easy to clean using disinfectants
- Free from Azo, CFC, Formaldehyde, PCT, PCP and PCB

Complete AngioSupport:

- Carbon fiber disc with clips, to place under the mattress
- Armrest of Carbon fiber, right arm
- Armrest of Carbon fiber and PVC-coated fabric, left arm
- Cushion, right arm. Height 8 cm
- Special design cushion with EPS beads for left arm
- Wedge cushion for supporting shoulder



Accessories - AngioSupport

<u>Armrest</u>

AS10 02

Carbon fiber disc with clips, to place under the mattress



AS10 03

Armrest, Carbon fiber - Right arm



AS10 04

Armrest, Carbon fiber/PVC-coated fabric - left arm

- Adjusts in several directions to find best support for left arm
- Use with special design cushion
- Lock positions with a screw



Cushions

AS10 05

Cushion Tempur right arm, height 8 cm



AS10 06

Wedge cushion for supporting shoulder



AS10 07

Special design cushion with EPS beads for left arm

- EPS beads forms after the shape of the arm
- Taped seams
- Resistant PVC-coated fabric





Worktable AngioSupport-JK

Part No. AS12 02

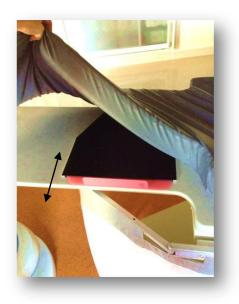
Developed in cooperation with PCI staff at S:t Göran's Hospital, PCI unit

Worktable for doctors at Coronary angiography through Arteria radialis

Flexible worktable to support doctors and give room for their instruments at Coronary angiography through Arteria radialis

The worktable is kept under the mattress when not in use, and can easily be pulled out to create a work area when needed

- Ergonomic
- Hygienic and easy to use area for hands, catheters and contrast tubes
- The flexible work area makes Coronary angiography through Arteria radialis easier to perform
- Table is easily inserted under the mattress when not in use
- Adjusts in several directions
- Cushion included







Cushion included, height 8 cm

- Taped seams
- High enlongation
- Resistance to blood and urine
- Easy to clean using disinfectants
- Free from Azo, CFC, Formaldehyde, PCT, PCP and PCB



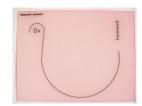
Easymark Specimen

Position labels for X-ray imaging of breast tissue

A set of labels for X-ray imaging, marking Left and Right in a clear way; also for pointing out directions on X-ray images of surgically removed breast tissue

- Two sets of labels; the Anatomic Breast Specimen disc (ABS disc) and the Camilla labels
- Lowers the risk of mistaking which side
- Lowers the risk of misjudge a tumour's position
- Made of plastics, symbols made of Tungsten; visible on X-ray images

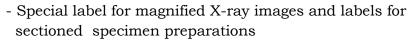
Anatomic Breast Specimen disc (ABS disc) Contour of a breast, facilitates interpretation of X-ray images of whole piece of surgically removed tissue



- The tissue is placed on the matching ABS disc; Sin for left breast, Dx for right breast
- Gives a perspicuous picture of axilla, laterally, medially and caudally
- Two sizes; 18x24 cm and 24x30 cm fits most cassettes
- Scales on the discs enable measuring the size of the prepared tissue The scale is not calibrated and should not be used to set a diagnose; the accuracy of the scale is ± 5 mm

Camilla Labels

Use at magnification of whole preparation of specimen and sections of specimen preparations





- Colour coded to follow the colours on most Sin and Dx markings
- Set of digits to manually number the preparation discs included



Mag - for whole specimens





Sections- for sectioned specimen



X-ray image with Camilla Label



Magnification label



X-ray image with ABS disc





Easymark Specimen and Accessories

Part No. ES07 01 Easymark Specimen Set

- ABS disc 18x24 -1 pcs Dx, 1 pcs Sin
- ABS disc 24x30 1 pcs Dx, 1 pcs Sin
- Camilla Label Dx Mag and Sin Mag
- Camilla Label Dx Slice and Sin Slice
- Magnification Label
- Set of digits 0-9 with two holders



Part No. ES07 02 ABS disc Dx 18x24 cm



Part No. ES07 03 ABS disc Sin 18x24 cm



Part No. ES07 04 ABS disc Dx 24x30 cm



Part No. ES07 05 ABS disc Sin 24x30 cm



Part No. ES07 06 Camilla Label Dx Mag 2x2 cm



Part No. ES07 07 Camilla Label Sin Mag 2x2 cm



Part No. ES07 08 Camilla Label Sections Dx 1,5x2,5 cm



Part No. ES07 09 Camilla Label Sections Sin 1,5x2,5 cm



Part No. ES07 10 Magnification label 1x1 cm



Part No. ES07 11 Set of digits 0-9 with two holders





Ruler with Tungsten engravings

Part No. LIO1 01

- Tungsten engravings; visible on X-ray
- For measuring up to 20 cm



Medical Innovation Design AB

Ylva Ryngebo

CEO, founder & inventor

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