



CROSS SECTIONAL IMAGING CATALOGUE



PASSIONATE ABOUT RADIOLOGY

When it comes to medical imaging, Rothband is a name you can trust.

With over 100 years experience in designing and manufacturing x-ray garments and accessories, you can be confident that when you choose us, you are buying from a company who is passionate in providing radiation protection to healthcare professionals.

All Rothband products are manufactured in the UK, to the very highest standards, using the highest quality materials which help us produce some of the most durable products on the market.

For the first time and due to its growth and the number of products now available,, we have decided to produce a catalogue specifically for cross sectional imaging.



www.facebook.com/Rothband



[@rothbandxray](https://twitter.com/rothbandxray)






[rothband.uk](https://www.instagram.com/rothband.uk)



QUALITY STANDARDS



-  ISO 9001:2015 Certification
-  PPE Conformity to (EU) 2016/425 PPE Regulation
-  Medical Devices conform to MDR (EU) 2017/745

To see our certifications and Declarations of Conformity please visit www.rothband.com



MR POSITIONING

MULTIPAD PRODUCT-FAMILY - THE NEW STANDARD OF CARE

The flexible and universally applicable MULTIPAD family of products enables optimum patient placement, positioning and fixation when it comes to examinations using head and extremity coils.

MULTIPAD Standard



Thanks to its dimensions of 17x6cm and the variable thickness of 2 to 5cm, the MULTIPAD Standard is particularly suitable for situations where there are no specific restrictions.

ORDER CODE WSR1012

MULTIPAD Slim



Thanks to its dimensions of 17x9cm and the variable thickness of 1 to 3cm, the MULTIPAD Slim is particularly suitable for situations where space is limited.

ORDER CODE WSR1071

MULTIPAD Bendy



Given its dimension of 24x10 cm and a variable thickness the MULTIPAD Bendy is perfectly suited for a wide variety of joint examinations, particularly those involving flex coils.

ORDER CODE WSR1108

MULTIPAD Plus



Thanks to its dimensions of 17 x 11cm and the variable thickness of 2 to 5cm, the MULTIPAD Plus is particularly suitable to fill larger gaps.

ORDER CODE WSR1022

MULTIPAD Ear



Given its dimensions of 17x10 cm and a variable thickness of 1-4cm the MULTIPAD Ear is perfect for immobilizing the patient's head when using in-ear headphones or earplugs.

ORDER CODE WSR1104

MULTIPAD Cover



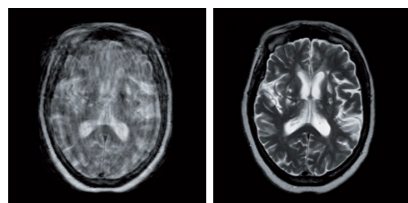
The covers for the MULTIPAD product family form an integral component for a hygienic and patient-friendly application.

ORDER CODE WSR1101

At least four good reasons to consider Pearltec products as the new standard of care for the placement, positioning and the fixation of your patients for MRI and CT examinations.

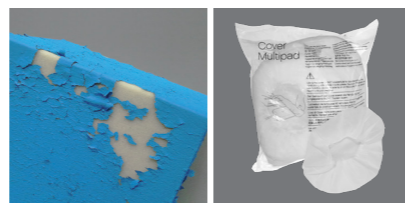
FEWER MOTION ARTEFACTS

Leads to improved image quality and therefore a reliable diagnosis. Leads to fewer repetitions and therefore saves time and costs.



HYGENIC

It is easy to clean, provides reliable protection and therefore fosters the safety and wellbeing of the patient.



USER-FRIENDLY SYSTEM SOLUTION

Enables efficient, clear and straightforward handling, therefore reducing the large variety of different placement products.



INCREASED PATIENT COMFORT

The pressure-free, adaptive immobilisation increases patient comfort and therefore has a positive effect on the entire examination procedure.



BabyFix Cocoon

SAFE AS A COCOON - SOFT AS A BUTTERFLY'S WINGS

Ideal conditions for a safe and careful examination procedure for newborn babies in the MRI scanner.



MRI scans for newborn babies are not an everyday occurrence and pose special challenges for everyone involved due to the difficulty of achieving safe and stable positioning. To meet the high demands of this procedure, the BabyFix Cocoon was developed in close collaboration with experts from the fields of neonatology, anesthesia and pediatric radiology.

ORDER CODE Description

WSR1107 BabyFix Cocoon

WSR-5355 Vacuum Pump



Lay the newborn baby on the positioning aid



Close the BabyFix Cocoon tightly



Holding and breastfeeding is possible in the positioning aid



Compatible with all common head coils

INCREASED SENSE OF WELLBEING FOR PARENTS AND CHILD

The slim design and the separate head and body fixation enable the mother to continue breastfeeding, thus facilitating close contact between her and the child during preparation for the scan. Careful, pressure-free positioning with soft, pleasant materials.

OPTIMISED WORKFLOW

Easy to use and intuitive enabling routine-based work in interdisciplinary teams.

INCREASED PATIENT SAFETY

Permanent monitoring of vital functions through an integrated viewing window and simple routing and strain relief for monitoring cables via an in-built hose stopper.

IMPROVED IMAGE QUALITY

Stable, stretched and centered positioning of the baby's head and body possible without any problems, even in narrow coils.

CROSS SECTIONAL IMAGING PEARLFIT POSITIONING WEDGES

PEARLFIT CUSHION

Depending on the size, PearlFit Cushions are perfectly suitable for a stable patient positioning inside and outside the field of view without any pressure points.



ORDER CODE	Description
WSR PF1136	220mm x 80mm x 10mm
WSRPF1145	270mm x 60mm x 10mm
WSRPF1137	300mm x 110mm x 20mm
WSRPF114	300mm x 200mm x 40mm
WSRPF1124	500mm x 300mm x 40mm
WSRPF1115	500mm x 300mm x 70mm
WSRPF1116	500mm x 300mm x 100mm
WSRPF1142	500mm x 500mm x 50mm
WSRPF1120	1300mm x 600mm x 100mm
WSRPF1140	2000mm x 750mm x 70mm

PEARLFIT WEDGE

The PearlFit Wedge helps to create a specific angle for certain body parts.



ORDER CODE	Description
WSRPF1117	260mm x 250mm x 70mm
WSRPF1138	300mm x 500mm x 150mm
WSRPF1132	560mm x 500mm x 250mm

PEARLFIT ROLL

The PearlFit Roll can be used during all radiological procedures and is primarily used in the hollow of the knee when patient is lying in supine position.



ORDER CODE	Description
WSRPF1112	Diam: 180mm Length: 400mm
WSRPF1113	Diam: 180mm Length: 500mm



PEARLFIT FLEX

The PearlFit Flex products can be used as either cushion, wedge or roll making them universally applicable for a broad range of examinations.



ORDER CODE	Description
WSRPF1118	6 Chamber: 900mm x 500mm x 50mm
WSRPF1119	3 Chamber: 900mm x 500mm x 70mm

PEARLFIT HEAD & NECK

The PearlFit Head/Neck is used to support the patient's head when lying in supine position.



Fully Radiolucent.

ORDER CODE	WSR1121
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PEARLFIT INLAY HEAD

PearlFit Inlay is form-fitted to a broad range of coils, cradles and holders and reduces pressure points at the back of the head.



ORDER CODE	WSR1123
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MAMMO MRI COMFORT PAD

Positioning aid to reduce pressure pain at the sternum/rib comb in Mammo MRI examinations (Optimised for Philips 7 channel coil)



ORDER CODE	WSR1191
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ELEVATING CUSHION

Positioning aid for pneumatic elevation of immobile palliative patients in MRI.



ORDER CODE	WSR1192
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CROSS SECTIONAL IMAGING

PEARL FIT POSITIONING VAC RANGE

Stable, radiolucent positioning.

PEARLFIT CUSHION VAC

Depending on the size, PearlFit Cushions Vac are perfectly suitable for stable patient positioning inside and outside the field of view without any pressure points.



ORDER CODE	Description
WSR PF1125	300mm x 200mm x 40mm
WSRPF1131	500mm x 300mm x 40mm
WSRPF1126	500mm x 300mm x 70mm
WSRPF127	500mm x 300mm x 100mm
WSRPF1143	500mm x 500mm x 50mm
WSRPF1144	900mm x 600mm x 50mm
WSRPF1129	1300mm x 600mm x 100mm
WSRPF1141	2000mm x 750mm x 70mm

PEARLFIT WEDGE VAC

The PearlFit Wedge VAC helps to create a specific angle for certain body parts.



ORDER CODE	Description
WSRPF1128	260mm x 250mm x 70mm
WSRPF1139	300mm x 500mm x 150mm
WSRPF1133	560mm x 500mm x 250mm

PEARLFIT HEAD & NECK VAC

The PearlFit Head/Neck VAC is used to support the patient's head when lying in supine position.

Fully Radiolucent.



ORDER CODE	Description
WSRPF1401	260mm x 250mm x 70mm
WSRPF1402	300mm x 500mm x 150mm
WSRPF1403	560mm x 500mm x 250mm

HAND-VACUUM PUMP

The Hand Vacuum-Pump is MR-compatible and can be used to withdraw air from vacuum cushions.



ORDER CODE	Description
WSR-5355	Vacuum Pump

PEARLTEC TABLE COVER

CT TABLE COVER

The CT Table Covers are protective sleeves made of PU foil and are available for CT table covers from various manufacturers. The specially designed flaps provide additional safety and the high-quality materials and workmanship make the product hard-wearing and durable.



PLEASE GET IN TOUCH WITH YOUR
CT MODEL NUMBER FOR A QUOTATION



PROBELT SOLUTIONS

The positioning of patients in computer tomography can be very challenging, especially with traumatised and disoriented emergency patients or also with very old, immobile and uncooperative patients. For safe and smooth examination procedures it is important to stabilise the patients reliably.

Following the examination, thorough cleaning and disinfection must be possible in a quick and easy way. Due to their use in an emergency environment or with infectious patients, the positioning aids must also be able to withstand the frequent use of strong disinfectants.

To meet these challenges, we have developed the new ProBelt system. The ProBelt system is made of a hard-wearing PU foil allowing patients to be fixed completely without a hook and loop fastener.



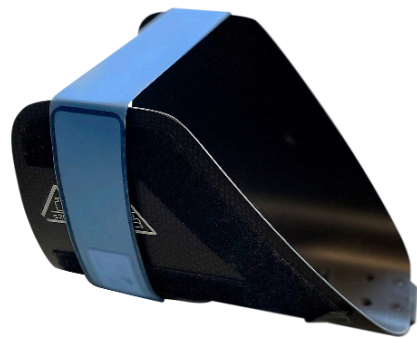
PROBELT 50

Quick and simple immobilisation of a patient head in a CT scanner.

- Attached to the CT cradle and easily wrapped around the forehead.
- Easy to clean - No patient contact of hook and loop
- Durable, hard wearing materials



ProBelt 50 is compatible with CT head holders of all common equipment manufacturers.



MORE INFO



ORDER CODE	ITEM	Description
5008	ProBelt 50 VL	For Canon, Siemens and Philips CTs
5009	ProBelt 50 VH	For GE CTs

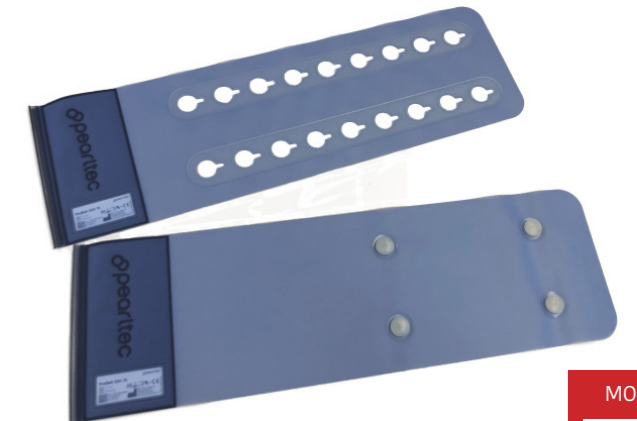
PROBELT 200/350

PERFECTLY HYGIENIC BELT SYSTEM FOR CTS WITH TABLE RAILS

ProBelt is the first completely hook-and-loop-free belt system and allows a perfectly hygienic fixation of patients on the CT. The ProBelt system is compatible with CT tables of all common equipment manufacturers using different rail adapters.

- Positioning by means of standard table rail and intuitive locking mechanism - simple and quick workflows
- No hook-and-loop and easy to clean - perfectly hygienic
- Hard-wearing materials and high-quality workmanship - high durability

ORDER CODE	ITEM	Description
1170	ProBelt 200 R2	20 cm width, for GE CTs
1171	ProBelt 200 R3	20 cm width, for Siemens and Philips CTs
1172	ProBelt 200 T5	20 cm width, for Canon CTs
1213	ProBelt 200 Extension	65cm belt extension for all ProBelt 200
1242	ProBelt 350 J10	35cm width
1241	ProBelt 200 J10	20cm width
1240	ProBelt 140 MRI P Extension	14cm width



MORE INFO



PROBELT THORAX

SIMPLE AND QUICK STABILISATION OF ARMS TO THE UPPER BODY

Thorax/abdomen examinations are routine CT examinations in which the patient's arms are usually positioned above the head. However, if the patient's arms cannot be positioned above the head, correct and stable positioning are all the more important in order to avoid "photon degradation artifacts" and not to increase the radiation exposure unnecessarily. With simple tricks and the right tools, the correct position can be reliably achieved in various situations.

- Comfortable cushion with integrated fixation belt - simple and quick stabilization of arms on upper body
- No hook-and-loop and easy to clean - perfectly hygienic
- Hard-Wearing materials and high-quality workmanship - high durability

ORDER CODE	ITEM
1173	ProBelt 200 Thorax PFC



MORE INFO



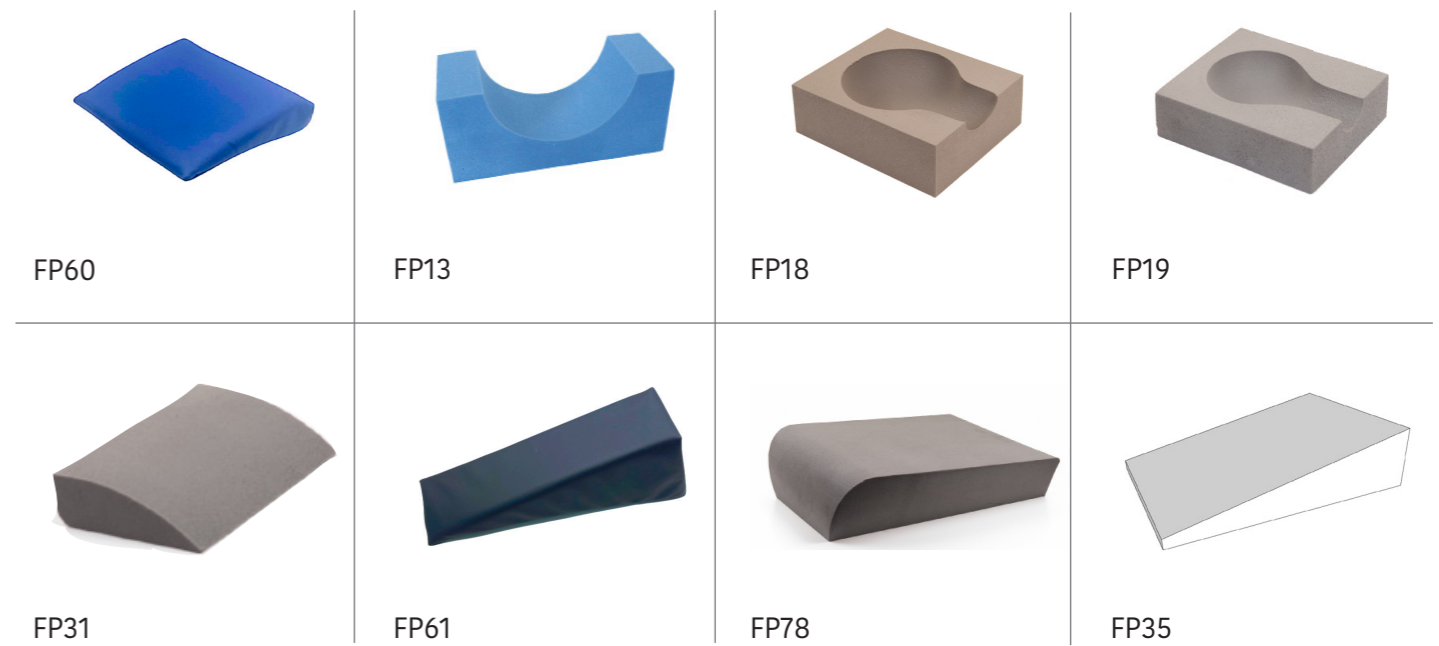
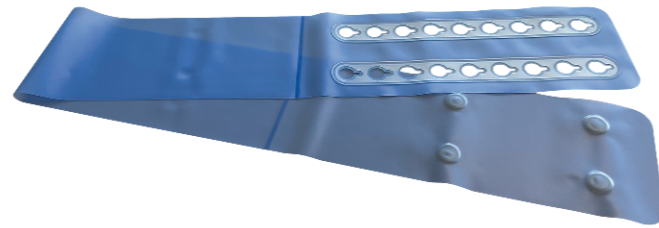
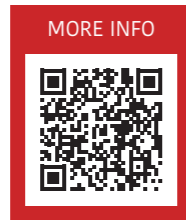
PROBELT WRAP

EFFECTIVE AND HYGIENIC STABILISATION OF PATIENTS ON TABLES WITHOUT RAILS

ProBelt Wrap ist part of Pearl Technology's unique ProBelt product family and allows an effective and hygienic stabilisation of patient on tables without rails. ProBelt Wrap is compatible with imaging tables of all common equipment manufacturers.

- Long strap with simple hole and button fastener – effective stabilisation on tables without rails
- No hook-and-loop and easy to clean – perfectly hygienic
- Hard-wearing materials and high-quality workmanship – high durability

ORDER CODE	ITEM	Description
1187	ProBelt 200 Wrap	20 cm width and 200 cm length
1220	ProBelt 70 Wrap	7 cm width and 145 cm length



Foam	Description	Dimension (cm)	Plain Foam	Covered
FP13	Neck Support Block	15 x 30 x 15	FP13	
FP61	CT Head Wedge	10 x 6 x 3		FP61Z
FP18	Skull Block - Adult	25 x 20 x 8	FP18	FP18Z
FP19	Skull Block - Child	8 x 15 x 5	FP19	FP19Z
FP60	CT Head Wedge	8 x 9 x 2		FP60Z
FP31	CT Head wing	22 x 10 x 4	FP31	FP31Z
FP35	Trendelenburg Wedge	43 X 35 X 33	FP34	FP34Z
FP78	CT/MRI Knee Support	55 x 40 x 15	FP78	FP78Z



FPPC12



PATIENT COMFORT - 12 PIECE SET

Patient Comfort Systems' pads incorporate ultra-strong fabric along with seams sewn with coated nylon threads. This construction also prevents cracking and tearing at the pad corners, where exposure is greatest.

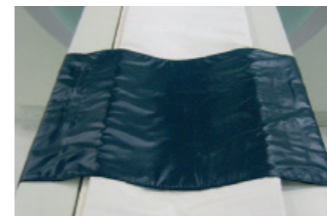
Both the pad cores and cover fabrics are manufactured using a permanent antimicrobial agent to inhibit the growth of harmful bacteria.

Can be cleaned with any standard approved hospital disinfectant. This unique material increases patient comfort when compared to standard covers.

Made of urethan fabric that does not cause sweat and is soft against the patient.



PATIENT PROTECTION



SHIELDALL - CT DRAPE

ShieldAll wraps around patients during CT scans & therefore minimises dose to organs outside the region of interest, giving approximately 10% reduction in total patient dose.

Its unique (registered) design means ShieldAll provides the following benefits:

Fits patients of all shapes & sizes through use of the three extender top pieces.

Fits around the abdomen during all stages of pregnancy, giving up to 55% reduction in foetal radiation dose.

Places less weight on the pregnant patient's abdomen than conventional lead aprons.

Reduces moving & handling issues for staff.

Can be used on all patients; from neonates to obese adults.

Suitable for protecting chest, abdomen or pelvis.

Simple closing mechanism ensures that ShieldAll does not slide off the patient during scanning.

Designed to remain on the scanner couch between patients.

Wipe-clean surface for infection control purposes.

Model	Description
SALL5	Complete ShieldAll system.



EYE & THYROID CT PROTECTION

The GrayShield Eye and Thyroid Protection Shields are the result of an extensive development to produce the most technically and cost effective shielding for patients undergoing CT or X-Ray procedures.

The shields and material have been independently tested by the Radiation Protection Service, at the Department of Medical Physics & Clinical Engineering at Singleton Hospital in the UK.

The performance of the materials has also been certified by the Health Protection Agency, which is a department of the National Radiological Protection Board in the UK.

Model	Description
GSTHY10 / GSTHY50	Thyroid Shields Designed to provide maximum protection to the radiosensitive thyroid gland. This self-adhesive shield gives approx 60% dose saving.
Available in packs of 10 or 50	

GSEYE10 / GSEYE50	Eye Shields Recommended single use. Self-adhesive. Approx 50% dose reduction.
Available in packs of 10 or 50	

LIQUIMARK - MRI MARKERS

Finally, a line of fiducial markers for MRI that visually promote healing, while keeping your budget in line. Liquimark markers are non-metallic, latex-free, and perform consistently and accurately in a variety of applications.

40 Units per box



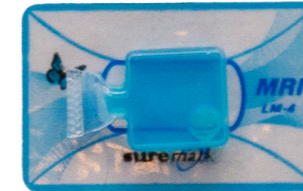
LM-1



LM-2



LM-3



LM-4



LM-5



LM-6

MARKERS

ORDER CODE	Description	Dimension (mm)
LM-1	For small field of view areas.	8mm round
LM-2	For extremities, soft tissue, and breast MRI.	15mm tube
LM-3	For thoracic spines and larger areas of interest.	30mm tube
LM-4	For orthopedic imaging and paediatric cases.	10mm square
LM-5	For extremities, soft tissue and breast MRI.	10mm x 24mm
LM-6	For thoracic spines and larger areas of interest.	10mm x 38mm

VISION LINE - CT MARKERS

The Visionmark™ CT is the next generation in general use skin markers. These specially formulated NON-METALLIC markers perform consistently and accurately in a variety of applications.



ORDER CODE	Description	Dimension (mm)
V-20	Non Metallic - Easy Peel Tab - Box of 110	2.0mm
V-25	Non Metallic - Easy Peel Tab - Box of 110	2.5mm
V-30	Non Metallic - Easy Peel Tab - Box of 50	3.0mm
V-40	Non Metallic - Easy Peel Tab - Box of 50	4.0mm
V-50	Non Metallic - Easy Peel Tab - Box of 50	5.0mm

CT MARK & CT LINE

The CT Mark™ and CT Line™ have been created specifically for CT imaging. This specially formulated non-metallic material is the result of years of research and development, resulting in a virtually artifact-free opaque marker that is perfect for nearly all CT marking applications.

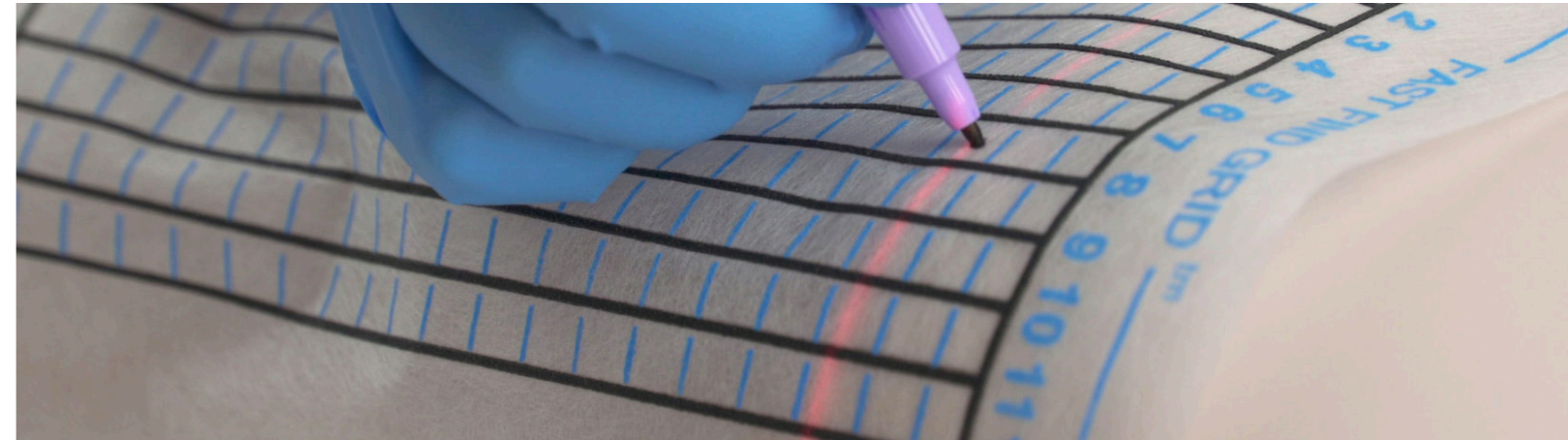


ORDER CODE	Description	Dimension (mm)
CT-23	Non Metallic - Easy Peel Tab - Box of 110	2.3mm
CT-40	Non Metallic - Easy Peel Tab - Box of 50	4.0mm
CT-W10	1.0mm line - 300cm per Box	1.0mm
CT-W20	2.0mm line - 300cm per Box	2.0mm

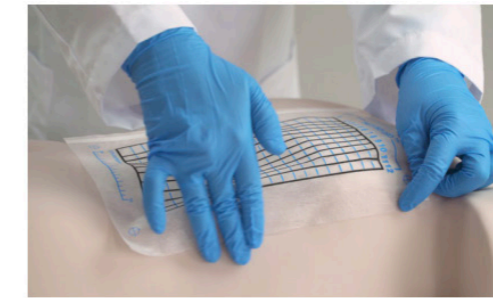
SUREMARK CT-CR3



Model	Description
CT-CR3	Created by request, the CT-CR3 is another precision skin marking tool perfectly suited for CT applications. Packaged with 50 markers per box.



Remove backing from tape.



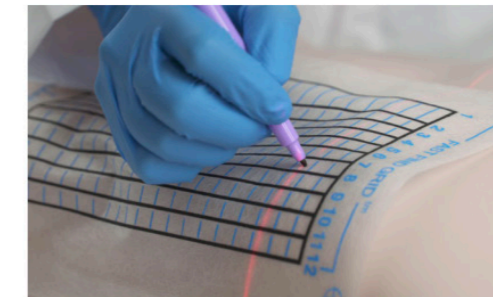
Place and scan over the area of interest.



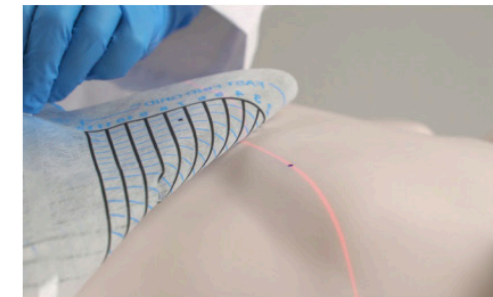
Notice the 12 dots on the skin surface.



Determine which dot best represents the point of entry.



Mark through the area with a felt tip pen where the laser crosses the line.



Remove the grid and perform your biopsy.

The Fast Find CT Biopsy Grid is a disposable tool used for CT guided biopsy and drainage procedures. The Fast Find Grid saves time and money while ensuring accuracy.

FEATURES

- Radioopaque grid yields a readily identifiable dot pattern on each CT image
- 1cm markings across each slice for precise needle placement
- Flexible grid material conforms closely to the patient's anatomy for accurate imaging
- Disposable grid prevents cross-contamination
- Tape strips assure non-slip positioning

TYPES OF PATHOLOGY AIDED WITH CT SCANNED NEEDLE BIOPSY

- Aspirate fluid in the lung or abdomen
- Blood (hematoma) removal from abdomen
- Biopsy pleural
- Lung cancer
- Kidney cancer
- Bone cancer
- Biopsy lymph nodes in neck or groin
- Aspirate fluid from cysts
- Biopsy collections or masses in extremities
- Liver masses
- Pancreatic masses
- Retroperitoneal masses

ORDER CODE	Description
FFG10	Pack of 25 grids

**PROTERS CHAIR****MRI STANDARD WHEELCHAIR****MRI LARGE WHEELCHAIR****MRI BARIATRIC WHEELCHAIR****EASYROLLER MRI WHEELCHAIR****MRI SAFE WHEELCHAIR**

MR SAFETY	MRI CONDITIONAL - 7T	MRI CONDITIONAL - 7T	MRI CONDITIONAL - 7T	MRI CONDITIONAL - 7T	MR SAFE - 7T	MR SAFE - 7T
CONSTRUCTION	Constructed from non-ferrous materials with minimal magnetic flux. Vinyl Upholstery	Durable, lightweight 18 gauge, 304 grade stainless steel frame. Burgundy nylon upholstery with "MR" printed on Storage pocket at rear.	Durable, lightweight 18 gauge, 304 grade stainless steel frame. Burgundy nylon upholstery with "MR" printed on Storage pocket at rear.	Durable, lightweight 18 gauge, 304 grade stainless steel frame. Heavy duty upholstery with "MR" printed on Storage pocket at rear.	100 % environment friendly thermoplastics. Removable, cleanable padded covers.	100% Recyclable Plastic
FOOTREST	Hinged footrest.	Detachable, elevating footrests are Optional extras.	Detachable, elevating footrests are Optional extras.	Detachable, elevating footrests are Optional extras.	Hinged footrest.	Moveable footrest
ARMREST	Hinged padded arms.	Padded arms.	Padded arms.	Removeable Padded arms.	Fixed Padded arms.	
WHEELS	Anti-static 125mm wheels, all braked.	20cm front castors & lightweight 60cm wheels with quality wheel-bearings. Retractable wheel locks..	20cm front castors & lightweight 60cm wheels with quality wheel-bearings. Retractable wheel locks..	20cm front castors & lightweight 60cm magnesium alloy wheels with quality wheel-bearings. Retractable wheel locks..	Rear wheel braking	Wheel Locks - Push to lock
DIMENSIONS	985 mm (l) x 750 mm (w) x 985 mm (h)	WIDTH 500 mm SEAT DEPTH 400 mm HEIGHT 965 mm SEAT TO FLOOR 508 mm	WIDTH 550 mm SEAT DEPTH 400 mm HEIGHT 965 mm SEAT TO FLOOR 508 mm	WIDTH 660 mm SEAT DEPTH 400 mm HEIGHT 965 mm SEAT TO FLOOR 508 mm	WIDTH 670 mm DEPTH 825 mm HEIGHT 1050 mm SEAT 500 mm x 420 mm	WIDTH 600 mm DEPTH 863 mm HEIGHT 914 mm SEAT 400 mm
WEIGHT LIMIT		113 Kg	158 Kg	249 Kg	150 Kg	100 Kg
FEATURES		Flip-up footplates with heel straps. Stainless steel I.V. pole & E cylinder holder are standard. Quick release safety belt.	Flip-up footplates with heel straps. Stainless steel I.V. pole & E cylinder holder are standard. Quick release safety belt.	Flip-up footplates with heel straps. Stainless steel I.V. pole & E cylinder holder are standard. Quick release safety belt. Dual underseat crossbraces & solid seat.	Strong and durable Completely metal free Easy to manoeuvre Fully cleanable	Folds away for easy storage Breathabke backrest
OPTIONS		IV Pole / Cylinder Holder IV Pole Cylinder Holder Custom Stenciling on back of seat	IV Pole / Cylinder Holder IV Pole Cylinder Holder Custom Stenciling on back of seat	IV Pole / Cylinder Holder IV Pole Cylinder Holder Custom Stenciling on back of seat		Available as a 500mm wide seat
COLOURS	Light blue	Burgundy (standard) Green (additional cost) Blue (additional cost)	Burgundy (standard) Green (additional cost) Blue (additional cost)	Burgundy (standard) Green (additional cost) Blue (additional cost)	Grey / Black	Grey / Black
ORDER CODE	MRI107	MRI112	MRI113	MRI114	MRI115	



	BASIC	BASIC+	DELUXE	DELUX+	BARIATRIC
MR SAFETY	7T	7T	7T	7T	7T
HEIGHT	Fixed height	Height adjustable 600-1000mm	Height adjustable 600-1000mm	Height adjustable 600-1000mm	Height adjustable 600-1000mm
OPERATION	No	No	Hydraulically operated.	Hydraulically operated.	No.
BACKREST	Adjustable backrest (2 ratchets).	Gas-strut assisted backrest.	Adjustable backrest (2 ratchets)	Gas-strut assisted backrest.	Adjustable backrest (2 ratchets).
IV POLE	Twin hook IV pole & storage.	Twin hook IV pole & storage.	Twin hook IV pole & storage.	Twin hook IV pole & storage.	Twin hook IV pole & storage.
SAFETY RAILS	Twin rail safety sides to 140mm above mattress.	Twin rail safety sides to 140mm above mattress.	Twin rail safety sides to 140mm above mattress.	Twin rail safety sides to 140mm above mattress.	Twin rail safety sides to 140mm above mattress.
WHEELS	4 Braked Anti-Static 125mm wheels.	4 Braked Anti-Static 125mm wheels.	4 Braked Anti-Static 125mm wheels.	4 Braked Anti-Static 125mm wheels.	6 Braked Anti-Static 125mm wheels.
MATTRESS					50MM
WEIGHT LIMIT	280 KG	280 KG	280 KG	280 KG	400KG
STORAGE	Underframe tray.*	Underframe tray.*	Underframe tray.*	Underframe tray.*	Underframe tray.*
DIMENSIONS	2120l x 690w x 840h mm	2120l x 690w x 840h mm	2120l x 690w x 840h mm	2120l x 690w x 840h mm	2080l x 780w x 850h mm
TRENDELENBERG TILT	NONE	Includes full length trendelenberg tilt.	NONE	Reverse Trendelenberg tilt to: -12 / +8 degrees.	None
INTEGRATED STEP	NO	NO	NO	NO	YES
OPTIONAL EXTRAS	Steering Bar	Steering Bar	Steering Bar	Steering Bar	Steering Bar
ORDER CODE	MRI101	MRI111	MRI121	MRI122	MRI125

* Additional Cost



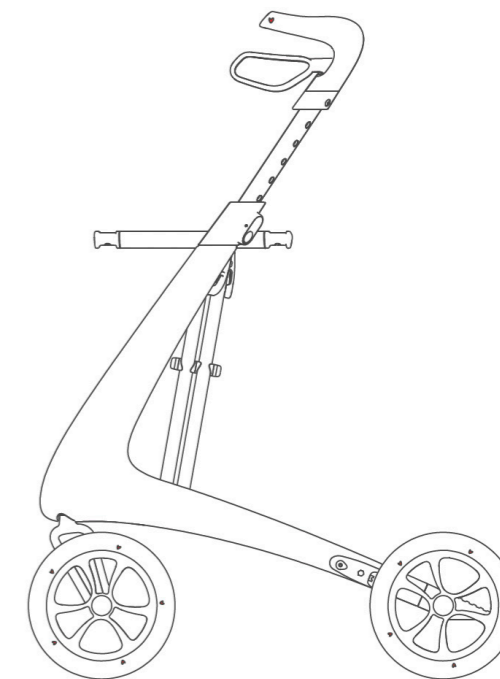
MRI CONDITIONAL PATIENT WALKING FRAME

Perfect for patients that need assistance walking. Allowing them to manage their own transfer onto a MRI scanner. Avoids having to use a wheelchair, that may present challenges when transferring to the scanner from a sitting position.

- Carbon fibre frame, 5x stronger than steel, and with lifetime warranty
- Folds up with a gentle lift in the seat for easy transport and storage
- Integrated brakes and easy height adjustment via push button
- MRI Conditional to 3T

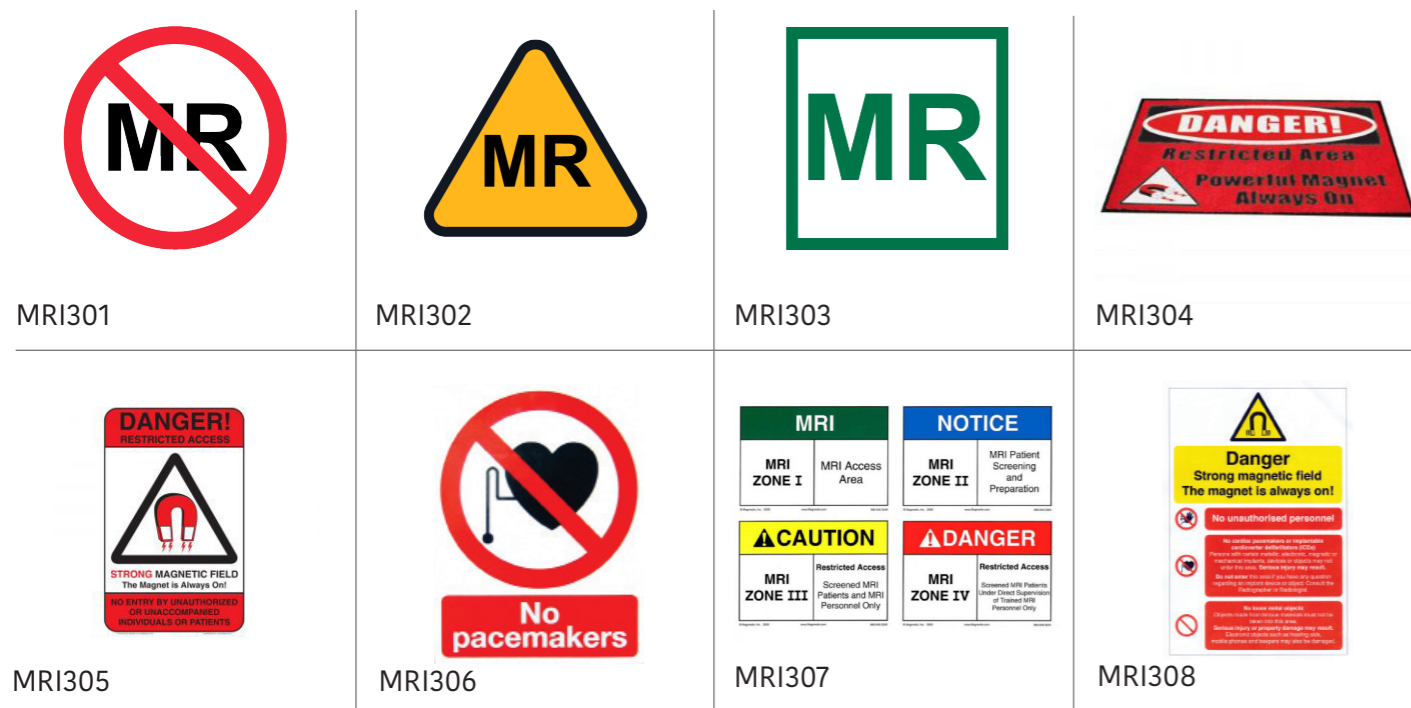
SPECIFICATIONS

Weight	4.8 kg
Handle height	800 - 950 mm 62 mm
Grip to brake	470 mm
Seat width	610 mm max 130 kg 200 mm
Seat height	665 mm
User weight	250 mm
Wheel diameter	660 mm
Transportation weight	6.7 kg



ORDER CODE MRI135

WARNING SIGNS

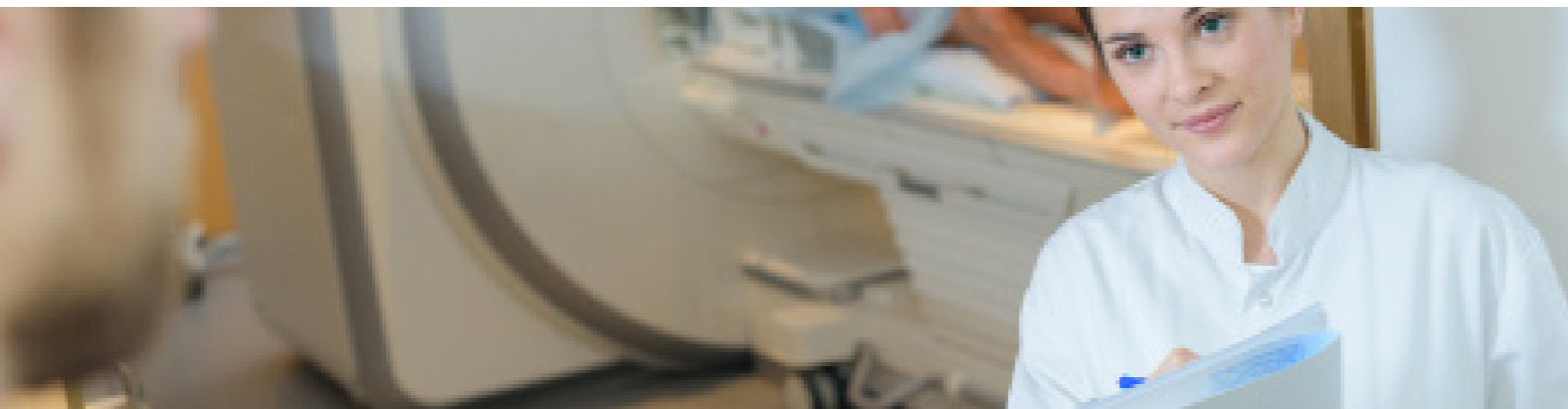


ORDER CODE	Description
MRI301	MR Unsafe Stickers. High Tack adhesive vinyl. Comply to IEC 62570 - 24 per sheet (40mm x 40mm)
MRI302	MR Conditional Stickers. High Tack adhesive vinyl. Comply to IEC 62570 - 24 per sheet (40mm x 40mm)
MRI303	MR Safe Stickers Stickers. High Tack adhesive vinyl. Comply to IEC 62570 - 24 per sheet (40mm x 40mm)
MRI304	Vinyl floor sticker 1500mm x 900mm - Custom sizes available Custom message or standard - 'DANGER - MAGNET ALWAYS ON'
MRI305	High Magnetic Field Warning, No Unauthorised Entry Sign High-visibility red, black, and white exclusion sign is virtually impossible to miss. 300mm x 480mm
MRI306	No Pacemakers sign
MRI307	MRI Zone Signs provide visible safeguards and fail-safe boundaries to help protect patients, attending health care professionals, and anyone else who occasionally enters the magnetic field of MR scanners (such as housekeeping or security personnel). Signs are available individually or as a set of 4, one for each zone.
MRI308	MRI Safety Sign. 250mm x 450mm

MR SAFETY



ORDER CODE	Description
MRI108	MRI Fire Extinguisher 2Kg capacity Gross weight only 4.5Kg MR Conditional (Tested to 4.7 Tesla)
MRSID 3320	ID Badge Clip MRI and Imaging Room Friendly - Non Ferrous Metal is Non-Magnetic 360 Degree Swivel Clamp Clip on Back - Great for Neckline, Pocket or Waistband on Scrubs Made with Heavy Duty Yet Thin Dyneema #10 PE Cord Tested up to 76 lbs Without Snapping - 60cm in length. Pack of 10 units
MRI502	Metal Detection Wand Three-color LED indication Interference Elimination Switch Width 8.3 cm Thickness 4.1 cm Length 42 cm Total Weight 500g Battery Requirements: One 9V (included). Provides up to 100 hours of normal operation.
MRITM1	Jewellery Test Magnet Our MRI jewellery test magnet is designed for identifying ferrous content in jewellery. The magnet component is used by jewellers to test the purity of jewellery and we have mounted it on a 30cm wand to ensure it doesn't end up in someones pocket by accident. Specification: 20mm Neodymium N42 magnet 11Kg Pull Force 4600 Gauss



CLEANING & SANITATION

We have extended our range to include more competitively priced options for cleaning and sanitation



MRI140



MRI141



MRI1286WH



MRI1286R



WASTE BIN

Capacity 45 Ltr, 65Ltr or 87 Ltr
 Material Polypropylene
 Colours Black, Red, White, Beige
 The hands-free operation helps to prevent the spread of contamination
 Tight-fitting lid contains odours, conceals waste and traps airborne microbes
 Hooks make it easy for you to attach bin bags
 A polypropylene construction gives the bin great strength

ORDER CODE	Description
MRI140	Magnawand Kit
MRI141	Magnawand replacement heads
MRI1286WH	MRI Mop Handle
MRI1286R	MRI Mop Head
MRICW45	45L MRI Safe Pedal Bin Dimensions 600(H) x 405(W) x 395(D)mm
MRICW65	65L MRI Safe Pedal Bin Dimensions 656(H) x 500(W) x 400(D)mm
MRICW87	87L MRI Safe Pedal Bin Dimensions 820(H) x 495(W) x 400(D) mm



MRICWXX

MRI 6 DRAWER PROCEDURE TROLLEY

Fitted with removable lipped shelves.
 Anti-static 75mm wheels.
 Various sizes and options available including:
 Up to 6 drawers (4 sizes optional)
 Optional guard rails.
 One or two hand rails available

ORDER CODE **MRI109**



MRI 6 DRAWER EMERGENCY CART

Designed and built for safe use in the strong magnetic fields present in Magnetic Resonance Imaging (MRI) suites

Tested to 3 Tesla level

Features:

- Cabinet painted gloss white with MRI identification sticker applied
- Full wrap-around vinyl bumper
- Stainless steel pull-out shelf
- Replaceable plastic top with integrated push handles

Drawer Configuration:

- (1) 10.2 cm
- (2) 8.3 cm
- (2) 16.5 cm
- (1) 24.8 cm

Dimensions:

116.2 cm H x 81.3 cm W x 63.5 cm D

MR-Conditional Accessories:

- Stainless steel IV pole (MR-IV2)
- Plastic cardiac board and painted aluminum mounting brackets (03-MR-CARDBRD)
- Painted aluminum oxygen tank holder - D/E size cylinders (03-MR-ALO2)
- Aluminum utility hooks (4 ea.) (03-MR-UHOOKS4)
- Plastic full drawer trays with adjustable dividers (2 ea.) (03-68530-P1)



ORDER CODE **MRI109A**



MRI DRIP STAND - 2 HOOKS

The MRI safe Drip Stand / IV Pole has an extra stable base and 2 hooks.

Specification:

2 hooks
5 star base – extra stable base
300-2400h x 570mm diameter

Guarantee for 8 years

ORDER CODE **MRI103**



MRI DRIP STAND - 4 HOOKS

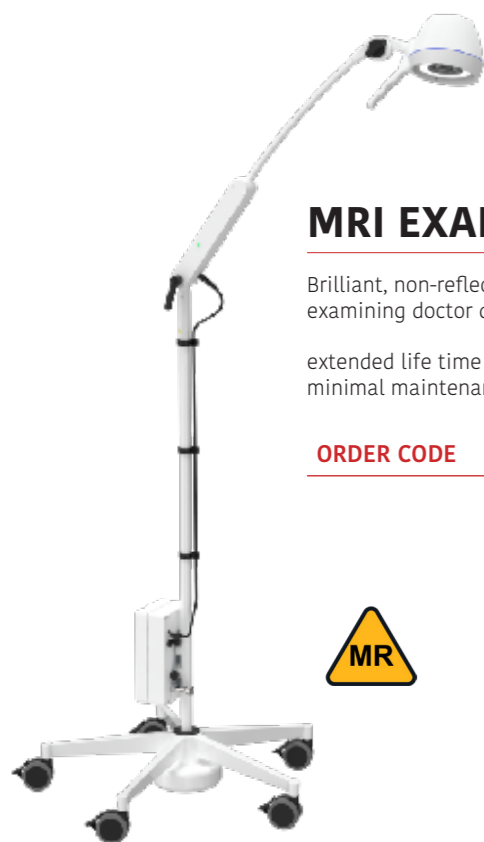
Effective infusion care by hanging safely IV-bottles and bags

Integrated pull-out guard avoids separation of the adjustable tubes safety bottle holder in accordance with DIN ISO 15375

Base made of plastic with two conductive base legs
Suitable for the use in areas with a magnetic flux density of up to 3,0 tesla

8Kg Load capacity (2Kg per hook)

ORDER CODE **MRI201**



MRI EXAMINATION LIGHT

Brilliant, non-reflective illumination of the treatment level helps the examining doctor during a MR procedure.

extended life time - maximum energy efficiency - minimal maintenance

ORDER CODE **MRI202**



MRI ARM/LEG REST

Optimal hygienic characteristics (wipe disinfection)
very easy and fast assembly through a plug in and out system with only 1 screw connection

Height adjustable" approx. 825 - 1,240mm
Load limit 15Kg

ORDER CODE **MRI203**



MRI INSTRUMENT TROLLEY

Fitted with removable lipped shelves.

Anti-static 75mm wheels

455mm (L) x 455mm (W) x 890mm (H)

Shown with optional drawer & guard rails

ORDER CODE **MRI104**

MRI INSTRUMENT TROLLEY

This MRI Solution Stand has a single basin with supporting frame connected by a H-Brace. The stands travel quietly on two-inch MR Conditional Swivel casters.

MRI conditional to 3T

Specifications:

394mm (L) x 355mm (W) x 914mm (H)

ORDER CODE **MRI104**



MRI LINEN HAMPER

For bags with 1500mm circumference

MRI conditional to 3T

Specifications:

450mm (D) x 450mm (W) x 750mm (H)

ORDER CODE **MRI109**



BLUE SINGLE STEP

RED DOUBLE STEP

YELLOW TRIPLE STEP

MR SAFETY

MR SAFE

MR SAFE

MR SAFE

CONSTRUCTION					SINGLE STEP STOOL	DOUBLE STEP STOOL	LONG STEP STOOL	LONG DOUBLE STEP STOOL
					MR CONDITIONAL - 7T	MR CONDITIONAL - 7T	MR CONDITIONAL - 7T	MR CONDITIONAL - 7T
					This rugged, stainless steel, non-magnetic step stool offers maximum stability and patient support with its oversized platforms. The deep platforms have a non-slip mat for added safety. Grip cups on the bottom of each leg hold the stool firmly in place	This rugged, stainless steel, non-magnetic step stool offers maximum stability and patient support with its oversized platforms. The deep platforms have a non-slip mat for added safety. Grip cups on the bottom of each leg hold the stool firmly in place	This rugged, stainless steel, non-magnetic step stool offers maximum stability and patient support with its oversized platforms. The deep platforms have a non-slip mat for added safety. Grip cups on the bottom of each leg hold the stool firmly in place	This rugged, stainless steel, non-magnetic step stool offers maximum stability and patient support with its oversized platforms. The deep platforms have a non-slip mat for added safety. Grip cups on the bottom of each leg hold the stool firmly in place
DIMENSIONS	WIDTH	WIDTH	WIDTH	WIDTH	WIDTH 406 mm	WIDTH 406 mm	WIDTH 762 mm	WIDTH 914 mm
	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH 305 mm	DEPTH 305 mm	DEPTH 305 mm	DEPTH
	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT 216 mm	HEIGHT 203 mm	HEIGHT 1041 mm	HEIGHT
	STEP HEIGHT	STEP HEIGHT	STEP HEIGHT	STEP HEIGHT	STEP HEIGHT 216 mm	STEP HEIGHT 215 mm	STEP HEIGHT 215 mm	STEP HEIGHT
WEIGHT LIMIT					226 KG	226 KG	226 KG	226 KG
FEATURES					Non-Magnetic construction Anti-slip step material Heavy duty rubber tips	Non-Magnetic construction Anti-slip step material Heavy duty rubber tips	Non-Magnetic construction Anti-slip step material Heavy duty rubber tips	Non-Magnetic construction Anti-slip step material Heavy duty rubber tips
OPTIONS					Optional Handrail	Optional Handrail		
COLOUR					Green and Stainless	Green and Stainless	Green and Stainless	Green and Stainless

BLUE SINGLE STEP

RED DOUBLE STEP

YELLOW TRIPLE STEP

SINGLE STEP STOOL

DOUBLE STEP STOOL

LONG STEP STOOL

LONG DOUBLE STEP STOOL

MR CONDITIONAL - 7T

MR CONDITIONAL - 7T

MR CONDITIONAL - 7T

MR CONDITIONAL - 7T

This rugged, stainless steel, non-magnetic step stool offers maximum stability and patient support with its oversized platforms.
The deep platforms have a non-slip mat for added safety. Grip cups on the bottom of each leg hold the stool firmly in place

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HEIGHT 216 mm

HEIGHT 203 mm

HEIGHT 1041 mm

HEIGHT

STEP HEIGHT 216 mm

STEP HEIGHT 215 mm

STEP HEIGHT 215 mm

STEP HEIGHT

226 KG

226 KG

226 KG

226 KG

Non-Magnetic construction
Anti-slip step material
Heavy duty rubber tips

Non-Magnetic construction
Anti-slip step material
Heavy duty rubber tips

Non-Magnetic construction
Anti-slip step material
Heavy duty rubber tips

Non-Magnetic construction
Anti-slip step material
Heavy duty rubber tips

Optional Handrail

Optional Handrail

Green and Stainless

Green and Stainless

Green and Stainless

Green and Stainless



MYMR01DG



MYMR02B

PLASTIC CHAIRS

Modern minimalist four leg design
Contemporary minimalist style
Stackable
Delivered assembled and ready to use
Available in 4 vibrant and modern colours
High density, maintenance free polypropylene



MYMR03B



MYMR04G

ORDER CODE	Description	BACK HxHxDxW (mm)
MYMR01DG	Grey	810 x 455 x 500x 440
MYMR02B	Black	810 x 455 x 500x 440
MYMR03B	Orange	810 x 455 x 500x 440
MYMR04G	Green	810 x 455 x 500x 440

MYMR01DG Grey 810 x 455 x 500x 440

MYMR02B Black 810 x 455 x 500x 440

MYMR03B Orange 810 x 455 x 500x 440

MYMR04G Green 810 x 455 x 500x 440

MRI STOOL

Screw thread height adjustment 450-680mm.

Foot ring.

Anti-static castors.

50mm upholstered pad.



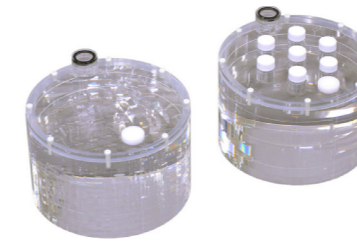
ORDER CODE

MR105





QUALITY ASSURANCE & PHANTOMS



MRI QA PHANTOM MHR

ORDER CODE: MRI801

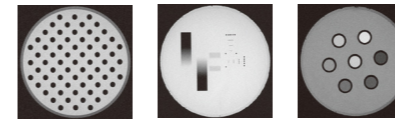
This QA phantom for MRI allows to evaluate the slice thickness, spatial resolution, uniformity and geometric distortion as well as contrast

- Features**
1. Uniformity is maintained under the high magnetic field of 3.0 Tesla
 2. Uniformity provides high precision evaluation for other parameters

- Contents**
- 1 phantom unit A / 1 phantom unit B / 1 liquid paraffin / 1 dropper / 5 NiCl 50ml (5, 10, 15, 20, 25 mmol) / 7 sample bottle (13.5ml) / 1 funnel / 1 petroleum jelly / 1 screwdriver / 1 extra screws / 1 storage case / manual

Size 22 dia. x 14(H)cm x 2 types / 8.7 dia. x 5.5 inch

Materials acrylic resin
MRI contrast solution: nickel dichloride (NiCl)



MRI QA Phantom JMR II

ORDER CODE: MRI801

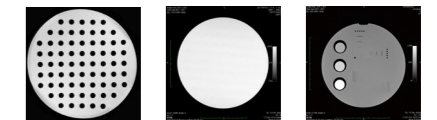
This QA phantom for MRI allows to evaluate the slice thickness, spatial resolution, uniformity and geometric distortion as well as contrast

- Features**
1. Uniformity is maintained under the high magnetic field of 3.1 Tesla
 2. Uniformity provides high precision evaluation for other parameters

- Applications** Signal noise ratio (SNR) / Image uniformity / Slice thickness / Spatial resolution / Geometric distortion / Ghost / Image contrast

- Contents** 1 phantom unit A / 1 phantom unit B / 1 liquid paraffin / 1 spout / 3 NiCl 50ml (5, 10, 15 mmol) / 3 sample bottle (9 ml) / 1 funnel / 1 petroleum jelly / 1 screwdriver / 1 extra screws / 1 storage case / manual

Size 18 dia. x 13(H)cm / 7.1dia. x 5.1inch



CTDI Dosimetry Phantom

ORDER CODE: WSR2601



The 3-part nested CTDI phantom can be used with any CT system and may be used to image and monitor adult head and body, as well as paediatric dose requirements. The phantom set consists of a group of head, body, and paediatric PMMA sections with five probe holes in each section. They are located in the phantom bodies according to the standard requirements. Acrylic rods are provided to seal the unused holes.

- Adult Section-diameter: 320 mm, length: 150 mm
- Head/Paediatric Body Section-diameter: 160 mm, length: 150 mm
- Paediatric Head Section-diameter: 100 mm, length: 150 mm
- Each section contains 5 probe insert holes: ϕ 13.1 mm (1 center, 4 peripheral, 10 mm from edges; holes to be sealed with adjoining acrylic rods when not in use).

ALSO AVAILABLE

2-Part CTDI Dosimetry Phantom (Adult Body and Head)



QUART didoCT

ORDER CODE: WSR11810

The QUART didoCT meter is designed for easy and precise dose-width product measurements. Its innovative detector is based on solid-state technology. Unlike conventional ion chambers, the QUART didoCT is not affected by variations in environmental temperature or air pressure and does not require correction.

The didoCT is equipped with a backlit display to assure swift readings even in darkened environments. To provide the ability to track generator characteristics, the dose or DWP rate is refreshed continuously on the meter display while the measurement is running.

Special Feature - Direct CT-HVL Measurement

As an optional feature, the QUART didoCT can be supplied with direct HVL measurement capability.

The meter's HVL feature is designed to easily measure the aluminium equivalent for a wide range of CT imaging equipment. For that purpose, it is calibrated at suitable standard radiation qualities in accordance with the majority of computed tomographs used in radiology or radiation therapy.

Technical Specifications

DWP	Range Uncertainty	0.2 $\mu\text{Gy}\cdot\text{cm}$ – 999 $\text{mGy}\cdot\text{cm}$ +/- 5 %
DWP Rate	Range Modes (3) Uncertainty	0.25 $\mu\text{Gy}/\text{s}\cdot\text{cm}$ – 999 $\text{mGy}/\text{s}\cdot\text{cm}$ • Refresh (4 times per second) during exposure • Total average • Maximum Rate +/- 5 %
CT-HVL	Range: Exposure Conditions: Uncertainty:	3.0 – 9.0 mm Al (HVL output) Internal Filtration of 2.8–29 mm Al equivalent and corresponding range of 70–130 kVp +/- 8%
Exposure Time	Range Mode Uncertainty	0.5 ms–300 s Duration of full exposure \pm 0.5 ms
Weight	Base unit Detector unit	180 g 120 g including cable
Size	Base unit Detector unit	17 x 7 x 4.5 cm (LxWxH) 16 x 1.3 cm (LxDiam.) Active length up to 100 mm (marked)

DEVICE OPTIONS

QUART didoCT+ CT-HVL, DWP/DLP, Rate, Exposure time
QUART didoCT DWP/DLP, Rate, Exposure time

ORDER CODE: CT803



CT Set

PHANTOM	CTDI Phantom	Nested Head/body/pediatric phantom
METER	Option 1 Option 2	QUART didoCT QUART didoCT+ CT chamber
ACCESSORIES	QA software optional	Dosimeter Dosimeter w/ direct HVL feature 100 mm ionisation chamber



CT Whole Body Phantoms

A unique, life size whole body phantom for CT provides a variety of educational application as well as visual evaluation in finding out optimal scanning

A life-size whole body phantom for CT provides a variety of educational applications as well as visual evaluation in finding out optimal scanning conditions. The phantom can also be used for plain X-ray, showing life-like images.

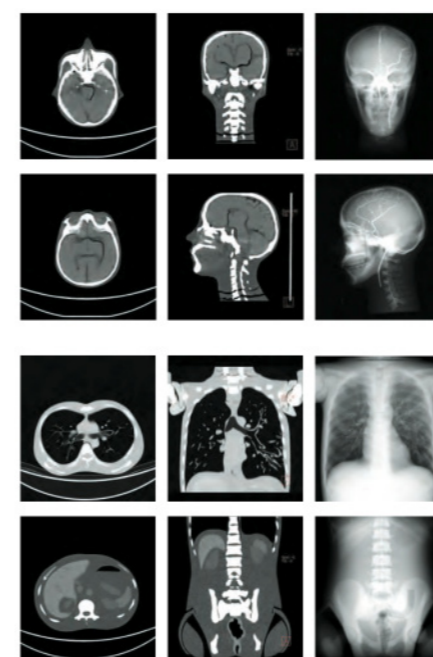
Types of Full Body Phantom

PLEASE VISIT WWW.ROTHBAND.COM FOR FURTHER DETAILS

ORDER CODE	Description
KYPH50	PBU-80 - Newborn full body CT phantom
KYPH2C	PBU-70 - Paediatric full body CT phantom
KYPH2D	PBU-70B - Paediatric full body CT phantom - With bone fractures
KYPH2B	PBU-60 - Adult full body CT phantom
KYPH2E	PBU-60 - Adult full body CT phantom - With pathologies

Optional Parts for Adult Phantoms

41350-200-16	BMI 32 Chest Plates
41350-200-17	BMI 40 Chest Plates
41350-000-11	Fractured Arm
41363-070	Storage Cases



BONY STRUCTURES

Synthetic skull
Cervical vertebrae
Vertebrae
Clavicles
Ribs
Sternum
Scapula
Coxal bones
Femurs

INTERNAL ORGANS	HU number at 80KeV	INTERNAL ORGANS	HU number at 80KeV
Brain		Portal and hepatic veins	40
Cerebrum	40	Pancreas	30
Mesencephalon	40	Kidneys	30
Cerebellum	40	Gallbladder	20
Cerebral ventricles	10	Spleen	50
Eye balls	20	Seminal vesicle	25
Arteries with contrast medium (left half only)	250	Aorta	40
Lungs	-1000	Cava	70
Pulmonary vessels	8	Ureter	ureteral wall: 30 / inside: 10
Trachea	trachea wall: 8 / inside: -1000	Urinary bladder	10
Heart	PBU-50: 8 / PBU-60: 40	Prostate	50
Liver	70	Rectum	rectum wall: 70 / inside: -800
		Sigmoid Colon	colon wall: 70 / inside: -800



LOOKING FOR SOMETHING IN PARTICULAR?

MANY MORE QA PRODUCTS & PHANTOMS ONLINE

The full range of X-RAY phantoms and further information and resources are available on our website: www.rothband.com

LUNGMAN Phantom

ORDER CODE: KYPH1



This is a multi-purpose phantom which can be used for either plain radiography or CT scanning for training, education, device assessment/evaluation & research.

The inner components consisting of Mediastinum, Pulmonary vasculature & an Abdomen block are easily detachable, allowing insertion of mimic tumours or other lesions.

The unique radiological substitute material & the elaborate 3-D modelling of pulmonary vessels gives life-like X-ray & CT images.

Accurate life-size anatomical model of a human torso.

Chest wall thickness is based on measurement of clinical data.

Soft tissue substitute material & synthetic bones have x-ray absorption rates very close to those of human tissues

X-ray

Provides life-like radiographs very close to actual clinical images.

3-D structure allows both PA & LATERAL images to be obtained.

Bones & vessels show life-like contrast gradations on the image along with tube voltages.

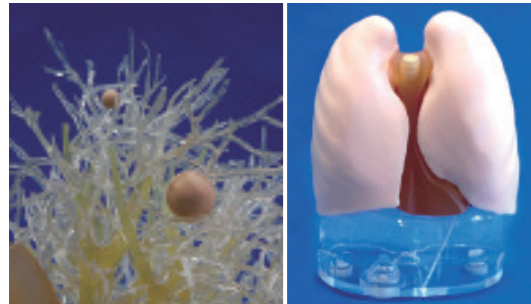
Computed Tomography

Arms-abducted position of the torso suits CT scanning.

Pulmonary vessels are spatially traceable.

Assessment of computer-aided detection systems is possible.

Simulated tumours in five sizes & three HU-number variations can be attached to arbitrary positions in the lung field.



PET/SPECT Thorax Phantom

ORDER CODE: KYPH63

APPLICATIONS:

PET/SPECT Quality management of NM equipment Myocardial density with SPECT imaging RI solution density for tumor imaging

FEATURES:

Examination of myocardial density through SPECT imaging

- Verification of myocardial imaging with the use of various RI solution densities
- Ability to capture defects of the myocardial region
- Can reproduce image variations of the heart by injecting RI solutions in the liver, kidney and lungs

Examination of RI solution density for simulated tumors

- The simulated tumors can be inserted into lung, liver and breast
- Tumors can be filled with FDG/RI solution into the spheres for evaluation of density, size and placement

ANATOMY:

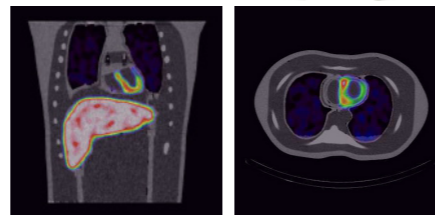
Liver
Lung (right/left)

Kidney (right/left)

* Hot spot for PET can be set in liver, lungs and breast.

Heart
- Anatomical type:
right ventricle, left ventricle
and myocardium

- Geometric type:
left ventricle and myocardium



CT Torso Phantom

ORDER CODE: KYPH4

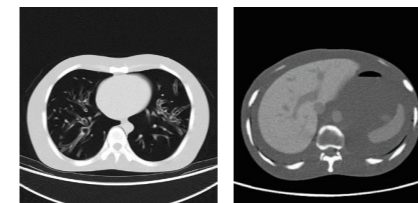


A one-piece anthropomorphic torso phantom with anatomical structures allows various CT approaches including helical scanning.

Each individual organ has a Hounsfield number corresponding to that of the human body.

INCLUDES:

Synthetic Bones With Cartilage	Lungs With Pulmonary Vessels	Ureter
Artificial Skull	Trachea (Up To 4th Bifurcation)	Urinary Bladder
Vertebra	Liver With Portal & Hepatic Veins	Prostate
Clavicles	Kidneys	Rectum
Ribs	Gallbladder	Sigmoid Colon
Sternum	Pancreas	Ascites
Scapula	Spleen	Brain With Cerebral Ventricles
Pelvic Bones	Aorta	Eyeballs
Femurs	Cava	



CT Head Phantom

Three variations of head phantoms with different features for arteries to meet your requirements:

- A synthetic skull
- Soft tissue
- Simulated arteries with contrast medium
 - Left anterior cerebral arteries
 - Left middle cerebral arteries
 - Internal carotid artery
 - Diameters of simulated 0.5-4.0 mm

*Arrangement of arteries are the same for all three types.



ORDER CODE	Description
41309-100	CT
41309-200	Angiography
41309-300	Multi-energy CT



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MANY MORE QA PRODUCTS & PHANTOMS ONLINE

The full range of X-RAY phantoms and further information and resources are available on our website: www.rothband.com



CT Abdomen Phantom

ORDER CODE: KYPH5

This unique anthropomorphic upper abdomen phantom allows CT images to be obtained approximate to clinical data.

The detailed anatomy of the organs allows a multi-dimensional approach. Each individual organ has a Hounsfield number corresponding to that of the human body:

- Lungs (no internal structure)
- Heart (no internal structure)
- Liver
- Portal vein
- Bile duct
- Hepatic vein
- Hepatic artery
- Kidneys
- Pancreas
- Spleen
- IVC
- Spinal column
- Ribs

Vessels & organs with a contrast agent are an option.



Realizing Education That Inspires
Through Manufacturing

TERMS AND CONDITIONS

1. Parties

- a) The "Company" means WSR Medical Solutions Ltd.
 b) The "Customer" means the person, firm or company buying goods from the Company to whom the goods are to be invoiced (unless the context otherwise requires) and any person to whom or for the benefit of whom the goods may be delivered.
 c) The "Goods" means the goods described on our invoice.

2. Application Of Conditions

- a) No contract shall exist between the Company and the Customer except upon the conditions set out herein and shall not be varied or excluded by the terms and conditions of any Order or any other terms and conditions sought to be imposed by the Customer including but without limitation to the Customer's Conditions of Purchase. These Terms and Conditions embody the entire understanding of the parties and supersede all and any prior promises, representations, undertakings or implications. No variation of these Terms and Conditions is permitted unless expressly accepted by a director of the Company, in writing.
 b) If the Customer shall make default in or commit a breach of any of its obligations under this contract or any other Order or Contract with the Company, the Company shall at anytime thereafter be entitled to determine the contract and without prejudice to its other rights hereunder recover from the Customer any loss arising.
 c) No statement, illustration or drawing in any circular, catalogue, advertisement or other communication in whatsoever form shall be deemed to imply any warranty or condition unless the same is specifically incorporated in this contract.

3. Orders

- a) Orders with a value of less than £20 (excluding VAT, net discounts) will attract a £2.50 low order surcharge to cover administration costs.
 b) Orders requesting the Company to provide the goods may be submitted or varied either orally or in writing, to either the Sales Representative, Customer Care department or other authorised Sales/Marketing personnel. Any orders submitted or variations made orally must be confirmed in writing within seven days.
 c) All orders to be forwarded to the address below.

4. Quotations

Any estimate or quotation shall comprise an invitation to treat and will remain open for a period of thirty days only from the date thereof, unless varied by the Company in writing. Any order issued by the Customer is subject to acceptance by the Company and a contract will only be formed when the Company has accepted the Customer's offer to buy either in writing or by the processing of the order.

5. Specification

The Goods are supplied in accordance with specifications (if any) submitted to the Customer and any additions and alterations thereto shall be the subject of an extra charge. The Company reserves the right to change the construction or design of the Goods or the specification thereof and the Customer shall accept the Goods so changed in fulfillment of the Order.

6. Prices

- a) All prices quoted are exclusive of Value Added Tax which shall be payable by the Customer at the rate prevailing at the date of the applicable tax point.
 b) The Company reserves the right, by written notice at any time before despatch, to vary the price of the Goods to take account of any increases in the cost of raw materials, manufacture, packing, transport or wages or otherwise.
 c) Prices charged will be those effective at the date of Order as per the current price list.

7. Payment

- a) Unless the Company otherwise agrees, payment is due in full within 30 days net of the invoice date to WSR Medical Solutions Ltd., at the address below.
 b) If payment is not made in accordance with paragraph (a), or if at any time the credit standing of the Customer has (in the opinion of the Company) been impaired, the Company may refuse delivery of any Goods required under the Contract until arrangements as to payment or credit have been established which are satisfactory to the Company.
 c) Time of payment shall be of the essence and if payment is not made on the due date, the Company reserves the right to charge interest on all overdue payments and outstanding balances at the rate (both before and after judgement) of 5% above the Bank of England base rate in force on the due date for payment (under clause 7 (a)) such interest being deemed to accrue on a daily basis from the due date for payment until receipt of payment by the Company.
 d) The Customer shall not be entitled to withhold payment either wholly or in part once the same has become due except where expressly agreed with the Company.

8. Delivery | Carriage Charges

- a) Unless the Company otherwise agrees, delivery shall be made to the delivery point specified in the Order.
 b) Time of delivery is not of the essence. Stated delivery times are no more than an estimate on the part of the Company and shall not be binding upon the Company which shall not be liable for any costs or damage caused by reason of any delay in delivery.
 c) The Company reserves the right to make delivery by instalments and to tender a separate invoice in respect of each instalment.
 d) The Company will usually make a charge for Carriage & packing and unless otherwise instructed by the Customer will choose the method of shipment.

9. Cancellations

- a) No notice of cancellation of an Order shall be valid unless given in writing and agreed to by an authorised representative of the Company.
 b) If written notice of cancellation is received by the Company, the Company reserves the right to levy a cancellation charge up to 25% of the amount of the Order which shall be paid by the Customer to the Company forthwith.
 c) If the Contract provides for delivery by instalments, each instalment shall be deemed to be the subject of a separate contract and non delivery or delay in the delivery of any instalment shall not entitle the Customer to repudiate the contract as regards the balance thereof.

10. Passing Of Title

- a) The legal title to the Goods shall not pass to the Customer until all sums due or payable by the Customer to the Company whether in respect of the Goods or otherwise howsoever shall have been received by the Company. Until such time the Customer shall hold the Goods as bailee of and in a fiduciary capacity for the Company and shall further:
 i) store the Goods separately from any other goods so as to be identifiable as the property of the Company;
 ii) be responsible for any loss or damage to the Goods howsoever caused; iii) except as provided in sub-clause (b) hereof, not sell, pledge, assign, charge or otherwise dispose of the Goods or any interest therein;
 iv) deliver up the Goods to the Company at any time on demand and/or permit the Company, its servants or agents, at any time without notice to enter upon the Customer's premises and retake possession of the Goods.
 b) The Customer shall be entitled to sell in the ordinary course of its business any of the Goods, in which title shall not have passed to it, on condition that the Customer shall hold on trust for and (on demand made by the Company) pay or transfer to the Company the proceeds of such sale and all claims that the Customer may have against its purchaser as the result of such sale.
 c) The Customer (if so requested by the Company) and any liquidator or receiver of the assets of the Customer shall pay into a separate bank account for the sole benefit of the Company all sums received in respect of any sale under the powers out in sub-clause (b) above, by the Customer or the liquidator or receiver of any of the Goods in which title has not passed to the Customer.

11. Passing Of Risk

The risk in the Goods shall pass to the Customer when the Goods are tendered for delivery at the delivery point specified in the Order. In the event that the Goods are collected by the Customer from the Customers works the risk of the Goods shall pass to the Customer when they are loaded onto the vehicle of the Customer or of his carrier or other agent.

12. Warranty

- a) The Company warrants that the Goods shall at the time of delivery correspond to the specifications published by the Company when used for purposes for which goods of that type are ordinarily used. In the absence of any such published specifications applicable to the Goods, the Company warrants that the Goods shall at the time of delivery be of merchantable quality. If any Goods do not conform to that warranty the Company will at its option:
 i) replace the Goods found not to conform to the warranty;
 ii) bring the Goods into conformity with the published specifications of the Company or (as the case may be) merchantable quality; or
 iii) take back the Goods found not to conform to the warranty and refund the appropriate part of the purchase price.

Provided that:

- aa) the liability of the Company shall in no event exceed the purchase price of the Goods; and
 bb) performance of any one of the above options (as limited by (iii) (aa) above) shall constitute an entire discharge of the Company's liability under this warranty.
 b) The foregoing warranty is conditional upon:
 i) the Customer giving written notice to the Company of the alleged defect in the Goods such notice to be received by the Company within seven days or the time when the Customer discovers or ought to have discovered the defect;
 ii) the Customer affording the Company a reasonable opportunity to inspect the Goods;
 iii) the Customer making no further use of the Goods that are alleged to be defective, or any plant machinery or other equipment into which the same shall have been incorporated after the time at which the Customer discovers or ought to have discovered that they are defective.

c) No representation or warranty is given as to the suitability or fitness of the Goods for any particular purpose and the Customer shall satisfy himself in this respect and shall be totally responsible therefore.

d) Save as provided in paragraph (a) hereof and in Section 12 of the Sales of Goods Act, 1979:

i) all conditions and warranties express or implied are to the extent permitted by law hereby expressly excluded;
 ii) the Company shall be under no liability for any loss or damage (other than in respect of personal injury or death) whether direct, indirect or consequential howsoever arising which may be suffered by the Customer.

e) Without prejudice to the generality of paragraph (c) all recommendations and advice given by or on behalf of the Company to the Customer as to the methods of storing, applying or using the Goods, the purposes to which may be applied and the suitability of using the Goods in any manufacturing process or in conjunction with any other materials are given without liability on the part of the Company Its servants or agents and where the Goods are intended for use in connection with any foods, drugs, or other goods or substances whatever, or for the packaging or securing of goods or articles of any kind the Customer shall be responsible for ensuring that such articles will not be, or not liable to be adversely affected by contact with or proximity to the Goods supplied and all liability to the Customer or any third party in respect of any damage so caused is hereby expressly excluded.

f) In the event that, notwithstanding the provisions of paragraphs (c) and (d) above, the Company is found liable for any loss or damage suffered by the Customer, that liability shall in no event exceed the purchase price of the Goods.

g) To the extent that any provision herein contained or becomes unlawful by virtue of any statutory provisions or any other rule of law the words or phrases which so offend shall be deemed to have been deleted herefrom to the extent necessary to remove the invalidity, but no further or otherwise, and the remaining words, phrases and clauses shall remain operative, notwithstanding the deletion, and shall be construed, where possible, to give effect to the intentions of the parties as evidenced by the terms hereof.

h) No representation shall be taken to have been given or implied from anything said or written in the negotiations between the parties hereto or their representatives prior to any agreement entered into between the Company and the Customer but nevertheless if any representation shall subsequently be found or deemed to have been given it is hereby expressly excluded or restricted to the extent permitted by Section 3 of the Misrepresentation Act 1967 as amended by the Unfair Contract Terms Act 1977.

13. Force Majeure

The Company shall not be liable for any loss or damage caused by the delay in the performance or non-performance of any of its obligations hereunder where the same is occasioned by any cause whatsoever that is beyond the Company's control including but not limited to an act of god, war, civil disturbance, requisitioning, governmental or parliamentary restrictions, prohibitions or enactments of any kind; import or export regulations, strike, lock-out or trade dispute (whether involving its own employees or those of any other person), difficulties in obtaining workmen or materials; breakdown of machinery, fire or accident. Should any such event occur the Company may cancel or suspend this contract without incurring any liability for any loss or damage thereby occasioned.

14. Notice Of Damage, Non-Delivery Or Wrong Delivery

a) The Company shall not be liable to the Customer in the event that the Goods, at the time of delivery, do not comply with the warranty in Clause 12(a) and the non-compliance is one which should have been apparent on a careful visual inspection of the Goods unless the Customer shall have notified the Company and the Carrier within three days of delivery that such inspection was impossible and shall have confirmed such notification in writing received by the Company within seven days of delivery.

b) The Company gives no guarantee of the exact quantity of goods delivered and in the event that quantity of Goods delivered does not correspond with the quantity stated on the Order the Customer shall only be liable to pay for the quantity delivered in the case of short-delivery and for the contract price in the event of over-delivery (subject in the latter case to permitting the Company to collect the surplus goods) provided that in the case of short delivery the Company is given an opportunity to inspect Goods before any use is made thereof or any alteration or modification is made thereto and that in no event shall such short or over-delivery entitle the Customer to damages or give the Customer the right to rescind.

c) Claims for non delivery must be notified to the Company and the Carrier within twenty one days from date of invoice, failing which the Company shall be under no liability for non delivery.

d) Any surplus goods delivered shall remain the property of the Company and the Customer shall take all reasonable precautions for the safe custody and protection of such surplus goods until the time of their removal by the Company.

e) In the event of goods being wrongly delivered in no circumstances shall any of the Goods be returned to the Company without its prior written consent, otherwise liability is not accepted. Where the Company has made the error, full credit will be given on uplifted goods in good condition.

f) The Company is under no obligation to accept goods for return, e.g. in the case of Customer ordering error, surplus stock, etc., but where it agrees to do so in writing a 15% handling charge will apply. Goods held by the Customer for more than 3 months from delivery will not normally be accepted for return. Only complete units of sale may be returned and all goods are to be in good condition. Any goods returned in unsealable condition will be paid for in full by the Customer. The Company will, in all cases, organise the collection of goods.

g) Refused Deliveries. The Company reserves the right to make a carriage charge plus 15% handling charge on all consignments tendered for delivery, which are refused without justification. All goods to be in good condition. Goods returned in an unsealable condition will be paid for in full by the Customer. Goods should not be returned without the prior agreement of the Company.

15. Disputes And Set-Off

Any liability of the Company under the contract shall be subject to and conditional upon the due performance and observance by the Customer of all its obligations under these conditions and subject to these conditions the Customer shall not be entitled to withhold or delay payment or exercise any right or set-off whatsoever and howsoever arising or arisen which might otherwise be available to it.

16. Copyright

All copyrights shall remain the property of the Company alone unless otherwise expressly agreed in writing with the Customer.

17. Patent Rights

The Customer warrants that any instructions furnished or given by the Customer shall not be such as will cause the Company to infringe any letters patent or trade mark or other intellectual property right in execution of the Customer's order and shall indemnify the Company against all actions, processings, costs, claims and such demands arising therefrom to the extent that such instructions lead to such infringements.

18. Government Charges

The Customer will reimburse the Company for any increase in tax or Governmental charge, or for any new tax or Governmental charge hereafter becoming effective which the Company may be required to pay to any Government upon the sale, production, or transportation of the Goods and which has the effect of increasing the cost of the Goods sold hereunder.

19. Assignment

This contract is personal to the Customer and may only be assigned by it with the prior written consent of the Company.

20. Bankruptcy | Liquidation

If the Customer being an individual (or, when the customer is a firm, any partner in that firm) shall at any time become bankrupt, or having a receiving order made against them or shall make any composition or arrangement with or for the benefit of the creditors or, if the Customer being a company, an order for winding up is made or a resolution for winding up is passed or if a receiver or manager is appointed on behalf of a creditor or otherwise, the Company shall have the right to stop Goods in Transit, to suspend further deliveries and to determine any subsisting contract with the Customer and (in any case where title to the Goods has passed to the Customer but payment is due and has not been made) the Company shall have a lien over the Goods and right of resale provided that any such action shall be without prejudice to any right or claim the Company may have against the Customer.

21. Waiver

No neglect, delay or indulgence on the part of the Company in enforcing the terms and conditions of the contract shall prejudice the rights of the Company hereunder or be construed as a waiver thereof.

22. Terms Of Contract And Controlling Law

These conditions shall constitute the whole terms of any contract entered into between the Company and the Customer and shall be read and construed in accordance with the laws of England and all disputes arising in connection with the contract shall be submitted to the jurisdiction of the English courts.

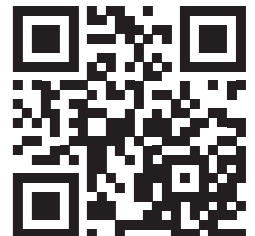
23. Company Details

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