Welcome to Rothband

When it comes to X-ray protection, Rothband is the name you can trust.

With over 100 years experience manufacturing X-ray garments, you can be confident that when you choose us, you are choosing the very best.

All Rothband protective garments are designed and manufactured in the UK, to the very highest standards, using the highest quality materials and thus producing some of the most durable products on the market.

Over the years, we have expanded our portfolio to include a whole range of products that are essential to any imaging department. We have compiled all these items together in one place, making the Rothband catalogue an essential resource for all medical imaging managers.

We would like to thank the Imaging department at the Royal Blackburn Hospital, for their help in putting together this catalogue.

www.facebook.com/Rothband
@rothbandxray
The History of Rothband

From our humble beginnings in the Manchester home of “W.S.” himself, Rothband has stood the test of time and the name “Rothband” is now synonymous with the best in quality, comfort, innovation and value for money radiology shielding.

The company began by making medical rubber products, mattresses for hospitals and asylums up and down the UK.

In 1911, as X-ray became recognised as a routine method of diagnosis. Colonel Rothband’s cousin (a chemist) approached him with an idea to add lead powder to the rubber mix.

The result, was the production of an X-ray cloth and the initial test X-ray is pictured here, with a note from the head radiographer at Leeds Hospital, stating that our experiment seemed successful.

From this, we began manufacturing X-ray aprons.

We know of no other company that can claim an earlier product.

The 1920’s saw the first Rothband catalogue which has been a key resource for imaging department managers ever since.

The Rothband business was acquired in 2015 and is still a family concern. You can be rest assured that we will continue to offer the same personal service and attention to detail that has enabled us to prosper for over 150 years.
Welcome to the latest edition of the Rothband Catalogue.

This edition of the catalogue represents a new beginning for Rothband, as in 2015, the company was acquired by an ex-employee (and ex-radiographer), and for the first time since 1860, it has left the Rothband family.

The Rothband catalogue has been around since 1880 and always been a key resource for radiographers and healthcare providers.

In this new version, you will find a different layout and an even more comprehensive range of products.

In addition, for the first time we have opted not to include prices on the page. Instead, we are asking you to embrace the internet, as in tandem with this new catalogue, we have revamped the website. The new website is mobile friendly and fully searchable, so it allows you to easily locate prices by using the product codes in this catalogue.

By making this move, we are taking a step in the right direction to become a more environmentally friendly company, which is in line with our new goals.

So thank you for taking the time to pick up this catalogue and for choosing Rothband as a provider for your protection and imaging needs.

Best Wishes,

Paul Dixon
Managing Director
Our Light-Weight lead option is perhaps our most popular core material as it balances a high level of protection with weight and cost.

Our lead free option is a more environmentally friendly option to radiation protection.

The Antimony and Bismuth mix, offers the same level protection as lead at upper energy levels.

This option is approx 10% lighter than its light-weight lead counterpart.

Edge Bilayer, is an all new innovation in radiation protection core material, the combination of two powerful, lead free, radiation blocking materials into a single homogeneous sheet.

Edge Bilayer offers 20% more protection than standard lead.*

40% more protection than other lead free material.*

And is approx 20% lighter than light-weight lead.

All core materials conform to the new IEC 61331-1:2014 Standard
Edge Bilayer methodology is the single biggest advancement in flexible radiation protection materials for medical environments for more than a generation.

The technical advantages of the bilayer approach in terms of safety, weight and comfort, enable protective aprons, skirts and accessories to provide up to 20 per cent reduction in absorbed dose than competitors’ Lead composite materials and 40% better performance than Lead-free alternatives at comparable LE.*

**Edge BILAYER, BUILT FOR NEW STANDARDS**

Traditional Lead-free and Lead composite products, containing lower atomic weight metals, either exclusively or in a mixed metal composite, can’t match the performance of traditional Lead products due to the K-edge effect and resulting fluorescence at key levels of keV within scatter radiation.

These materials can only pass current standards when tested between 80kV and 100kV using narrow beam geometry that fails to detect the secondary radiation created by fluorescence, inevitably resulting in an increase in the absorbed dose to the skin and organs. This test procedure is unable to detect the K-edge and fluorescent effect created by using low atomic weight elements, resulting in a significant increase in the absorbed dose to the user.

Tested and certified for attenuation and Lead equivalence by the National Physical Laboratory (NPL) in the UK, against a full range of kV (50kV to 150kV) using broad beam geometry, Edge Bilayer performs in accordance with all major standards, including IEC 61331-1:2014 and DIN 6857-1.

* All claims about the performance of the Edge Bilayer material relate to performance against scatter radiation and measurements of absorbed dose.
Covering Materials

Solid: Wipeable, Easy Clean Materials, PVC or PU coated.
Swatches Available on request: sales@rothband.com

- Lt Blue PB
- Royal Blue BL
- Marine Blue MB
- Yellow YW
- Orange OR
- White WH
- Rosa RO
- Burgundy BU
- Berry BE
- Red RD
- Violet VL
- Black KB
- Grey GY
- Lt Green GR
- Khaki GD
- Forest Green GF

Swatches Available on request

For pricing, visit www.rothband.com
Covering Materials

Patterns: Wipeable, Easy Clean Materials. PVC or PU coated.

New patterns being added all the time, please see the website for the latest designs. Please note, patterned material have a nylon material inside.

Steritouch ST  Red Bug RM  Cam-Grey CG  Cam-Blue CB  Cam Pink CP  Nursery NU

Zebra ZB  Leopard LD

MRSA, & BACTERIA RESISTANT cover. Steritouch™ Coated. MRSA & E.Coli safe¹ Anti-microbial additive².

1. 99.994% & 99.999% “kill rate” respectively.
2. Also effective against listeria monocytogenes, salmonella enteritidis, pseudomonas aeruginosa & aspergillus niger.

See Website for new pattern updates

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Covering Materials

Nylons - Durable
Nylons look great and are very durable, but the porous nature makes them better suited as an inner material.

Edging Materials
Edging materials come in a range of colours. Unless specified, we will choose the one that best matches the apron.
Fastening Options

BUCKLE CLIPS: BK
These easy to fasten, quick to release clips are now a more popular alternative to toggles.
N.B. STANDARD if no fastenings are specified

TOGGLES: TG
Simple
Easy to fasten
Maintenance free

WEIGHT ADJUSTER BELT: WBW (5 sizes)
Redistributes weight from the shoulders to the waist/hip area
Also gives excellent support to the lumbar region.
Easily adjustable with 2 levels of support
Can be factory-fitted to apron.

VELCRO BELT: VB
Distributes weight from shoulders to hips
Ensures a good secure side closure
Designed not to snag clothing.
Elasticated for extra comfort!
Measuring for a Lead Apron - Female
Copy and Send

Name
Hospital
Phone
E-Mail

<table>
<thead>
<tr>
<th>Female Sizing Guide</th>
</tr>
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<tbody>
<tr>
<td><strong>Size</strong></td>
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<td>Chest (Inches)</td>
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<td>Two Piece</td>
</tr>
<tr>
<td>Top</td>
</tr>
<tr>
<td>Kilt</td>
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</table>
Measuring for a Lead Apron - Male

Copy and Send

Name
Hospital
Phone
E-Mail

Male Sizing Guide

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<td>Waist (inches)</td>
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Apron Length

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Find What You Need

Browse through the catalogue, or search online to find the product you are looking for.

There are even more products on our new, easy to use website.

Look Up the Price Online

Our new, simple to use coding system allows you to easily find a product's price online.

Simply type the product name or order code into the search bar.

Send a live chat request, if you would like some help.

Get in Touch For a Quotation

You may want to get in touch and speak with one of our fully trained customer service representatives.

We also have a field team who would be more than happy to come out and visit you to discuss your needs in more detail.

www.facebook.com/Rothband
@rothbandxray
Shoulder Clip

One of our most popular designs and an original Rothband innovation.

Simple to put on/off

Higher neck line provides better sternum protection.

Open sides allow access to pockets and better ventilation. Easily adjusts to a variety of body shapes.

<table>
<thead>
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<td>110</td>
<td>SC511</td>
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</table>

Please add Small Medium or Large to your order code.
Aprons

Theatre Style

A great design for those who may need to remove the apron whilst their hands are full, or sterile.

Two shoulder clip design, allows the apron to completely separate into two halves.

Easy to release from under sterile gowns, allowing the surgeon to remove the apron post x-ray.

<table>
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</table>

Please add Small Medium or Large to your order code

For pricing, visit www.rothband.com
Fixed Shoulder

The original (circa 1911) Rothband tabard design.

Unlike other versions, there is no shoulder clip.

Simple to put on and take off.

<table>
<thead>
<tr>
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</tr>
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</table>

Please add Small Medium or Large to your order code.
Aprons

Doctor C

Originally designed, by Rothband, for a radiologist called Dr Carmichael - hence the name.

Offers better protection by having one side closed for those who always work side-on to the table. (Right closed is the standard configuration, left is an option.)

<table>
<thead>
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Please add Small Medium or Large to your order code.
Front Only - Variweight

For limited protection, and less weight.

No Pb in rear panels

Elasticated crossover velcro fastenings enable weight adjustment

OPTIONAL Pb in rear.

<table>
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</table>

Please add Small Medium or Large to your order code
## Front Only – Single Sided

Front only protection

Adjustable webbing & buckle crossover straps

Optional crossover velcro fastening fabric straps

### Core Material

<table>
<thead>
<tr>
<th>Size</th>
<th>Pb mm</th>
<th>Length</th>
<th>Light Weight</th>
<th>No Lead</th>
<th>Edge Bilayer</th>
</tr>
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<td>SSN285</td>
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<tr>
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<tr>
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<tr>
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<td>110</td>
<td>SS511</td>
<td>SSN511</td>
<td>SSK511</td>
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</tbody>
</table>

Please add Small Medium or Large to your order code.

---

For pricing, visit www.rothband.com

www.rothband.com · Tel: + 44 (0) 1706 830086 · Fax: + 44 (0) 1706 830324 · sales@rothband.com
Wrap-around MK I

This patented design, provides comfort and extra protection were you need it the most.

Higher neck line provides better sternum protection.

Overlap at the front gives you extra protection where you need it most..

Velcro or Zip options available.

<table>
<thead>
<tr>
<th>Size</th>
<th>Pb mm</th>
<th>Length</th>
<th>Light Weight</th>
<th>No Lead</th>
<th>Edge Bilayer</th>
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</thead>
<tbody>
<tr>
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<td>PVK211</td>
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<tr>
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<tr>
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<td>PV511</td>
<td>PVN511</td>
<td>PVK511</td>
</tr>
</tbody>
</table>

Please add Small Medium or Large to your order code

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Aprons

Wrap-around MK II

Maximum protection is afforded by our Wrap Around MK II range.

Giving double protection in the important centre front area.

Large area of velcro allows good adjustment.

Shoulder Safety fastening for extra security. Standard Elasticated Weight Adjuster belt removes weight from the shoulders.

<table>
<thead>
<tr>
<th>Size</th>
<th>Pb mm</th>
<th>Length</th>
<th>Core Material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Light Weight</td>
</tr>
<tr>
<td>Short</td>
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<tr>
<td>Regular</td>
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<tr>
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<td>100</td>
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<tr>
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<td>PVW5211</td>
</tr>
<tr>
<td>Short</td>
<td>0.5/0.35</td>
<td>85</td>
<td>PVW5385</td>
</tr>
<tr>
<td>Regular</td>
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<td>90</td>
<td>PVW5390</td>
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<tr>
<td>Long</td>
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<td>100</td>
<td>PVW5310</td>
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<tr>
<td>Extra Long</td>
<td>0.5/0.35</td>
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<td>PVW5311</td>
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<td>Short</td>
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Please add Small Medium or Large to your order code

For pricing, visit www.rothband.com
<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Dimensions cm (L x W)</th>
<th>Core Material</th>
<th>Light Weight</th>
<th>No Lead</th>
<th>Edge Bilayer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Top Standard</td>
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<tr>
<td>0.25</td>
<td>58 x 60</td>
<td>TOPS 2</td>
<td>TOPNS 2</td>
<td>TOPKS 2</td>
<td></td>
</tr>
<tr>
<td>0.35</td>
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<td></td>
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<tr>
<td>0.50</td>
<td>58 x 60</td>
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<td>TOPNS 5</td>
<td>TOPKS 5</td>
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</tr>
<tr>
<td>Top Centre Zip</td>
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<td>TOPNC 2</td>
<td>TOPKC 2</td>
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<td>0.35</td>
<td>58 x 60</td>
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<td>TOPNC 3</td>
<td>TOPKC 3</td>
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<td>0.50</td>
<td>58 x 60</td>
<td>TOPC 5</td>
<td>TOPNC 5</td>
<td>TOPKC 5</td>
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<td>Top DR Style</td>
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<td>58 x 60</td>
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<td>TOPND2</td>
<td>TOPKD2</td>
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<tr>
<td>0.35</td>
<td>58 x 60</td>
<td>TOPD3</td>
<td>TOPND3</td>
<td>TOPKD3</td>
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<td>Top Wrap Around</td>
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<td></td>
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<tr>
<td>0.50 / 0.25</td>
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<td>TOPNW2</td>
<td>TOPKW2</td>
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<tr>
<td>0.70 / 0.35</td>
<td>58 x 55</td>
<td>TOPW3</td>
<td>TOPNW3</td>
<td>TOPKW3</td>
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</tr>
</tbody>
</table>

The Tabard top has a shoulder clip & buckle clip side fastening as standard but Velcro is an option. Twin shoulder clips, to allow detachment after use, is also an option.

The Centre Fastening top is normally zipped but Velcro may be specified.

Similar design as the DR C Tabard.

The Jacket Wraparound top has wide Velcro fastening & gives double protection in the overlap zone.

For pricing, visit www.rothband.com
Tops and Kilts

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Dimensions cm (L x W)</th>
<th>Core Material</th>
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<td>Kilt 3 Piece</td>
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<tr>
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<td>53 / 106</td>
<td>KT2</td>
</tr>
<tr>
<td>0.35</td>
<td>53 / 106</td>
<td>KT3</td>
</tr>
<tr>
<td>0.50</td>
<td>53 / 106</td>
<td>KT5</td>
</tr>
</tbody>
</table>

3 Piece Kilt is, as its name suggests, made from 3 overlapping panels attached to a Velcro fastening waist band. This style fits a good range of body shapes & also allows a wide range of movement without restriction.

| Kilt A-Line |                      |             |         |             |
|            |                        |             |         |             |
| 0.5/0.25  | 53 / 117               | KTW2        | KTNW2   | KTKW2       |
| 0.7/0.35  | 53 / 117               | KTW3        | KTNW3   | KTKW3       |
| 1.0/0.50  | 53 / 117               | KTW5        | KTNW5   | KTKW5       |

This full wrap kilt offers double protection at the front where the overlap occurs. Pockets (pictured) and embroidery are an optional extra on this style of kilt.
Attached Thyroid

Fastened by strap & velcro for adjustment/removal.
Colour as apron - unless you require otherwise.
Factory Fitted Only.

Weight Adjuster Belt

Excellent Lumbar support & takes the weight off the shoulders.
Choose one size Bigger than your waist measurement to allow for the apron thickness.

Options

Seated Adaptation

A special adaptation for those who will be seated during an x-ray procedure.
Tabard or Front only styles can have this modification.
A newer take on a mid-1900’s design.

Order Code: SITCO

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Core Material</th>
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<th>No Lead</th>
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<td>RMT2DN</td>
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<tr>
<td>0.35</td>
<td>RMT3D</td>
<td>RMT3DN</td>
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<td>0.5</td>
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<table>
<thead>
<tr>
<th>Size</th>
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<td>71-90 cm / 28-36”</td>
<td>WBW M</td>
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<td>80-100 cm / 32-39”</td>
<td>WBW L</td>
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<tr>
<td>90-110 cm / 36-44”</td>
<td>WBW X</td>
</tr>
<tr>
<td>105-144 cm / 42-56”</td>
<td>WBW Z</td>
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Options

Customisation

We can place embroidery, or add pockets anywhere on the apron.

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Standard Embroidery</td>
<td>EMB</td>
</tr>
<tr>
<td>Identification Flash</td>
<td>IDF</td>
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<tr>
<td>Identification flash with Embroidery</td>
<td>IDFEM</td>
</tr>
<tr>
<td>Pocket (state breast or hip)</td>
<td>PKT</td>
</tr>
<tr>
<td>Screen Printing</td>
<td>SCP</td>
</tr>
<tr>
<td>Pocket with Embroidery</td>
<td>PKTEMB</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com
## Thyroid Collars

### TPD Style

*D* Style - Very comfortable due to its flexibility.
48cm Max collar, velcro fastening.

<table>
<thead>
<tr>
<th>Pb (mm)</th>
<th>SIZE</th>
<th>Depth (cms)</th>
<th>Light Weight</th>
<th>No Lead</th>
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</thead>
<tbody>
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<td>12</td>
<td>TPD 2</td>
<td>TPD 2 N</td>
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<tr>
<td>0.35</td>
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<td>0.50</td>
<td>12</td>
<td>TPD 5</td>
<td>TPD 5 N</td>
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</tbody>
</table>

### TPV Style

*V* Style - Gives added sternum protection.
48cm Max collar, velcro fastening.

<table>
<thead>
<tr>
<th>Pb (mm)</th>
<th>SIZE</th>
<th>Depth (cms)</th>
<th>Light Weight</th>
<th>No Lead</th>
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<tbody>
<tr>
<td>0.25</td>
<td>12</td>
<td>TPV 2</td>
<td>TPV 2 N</td>
<td></td>
</tr>
<tr>
<td>0.35</td>
<td>12</td>
<td>TPV 3</td>
<td>TPV 3 N</td>
<td></td>
</tr>
<tr>
<td>0.50</td>
<td>12</td>
<td>TPV 5</td>
<td>TPV 5 N</td>
<td></td>
</tr>
</tbody>
</table>
Extremity Protection

Pb Vinyl Gloves
Pb/Vinyl Gloves - Flexible and easy to clean.
23cm in length.
Soft inner lining.

Pb mm: 0.5
Order Code: GV5M PR

Cuff (Pair)
Nylon covered.
35cm in length.
Velcro fastening along the length.

Pb mm: 0.35
Order Code: CF35PR

Pb in mm: 0.35
Order Code: MT35PR

Mitten
Mitten (Pair)
Velcro Wrist fastening.
Choice of nylon colours.
(Navy standard)

Pb mm: 0.35
Order Code: MT50PR

Pb in mm: 0.50
Order Code: MT50PR

Open Palm
Open Palm Mitten (Pair)
Allows unrestricted use of fingers.
Nylon Covered.
(Navy standard)

Pb mm: 0.35
Order Code: OP35PR

Pb in mm: 0.35
Order Code: OP35PR

Pb in mm: 0.50
Order Code: OP50PR

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Available in a range of lead equivalence.

Small Medium and Large available (Please replace X with S,M,L).

Sold in packs of 10

Pb mm: 0.25
Order Code: SLV2

Pb mm: 0.35
Order Code: SLV3

Pb mm: 0.35
Order Code: CP35PR

With foot protection
Order Code: CPF35PR

For pricing, visit www.rothband.com

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Sheeting

Skinned Lead Vinyl

PVC Coated, wipe clean finish on both sides. Easy to cut and shape, for a variety of purposes.

Many uses, including:
Backstop material for scatter radiation.
Gonad Shielding.
Baby Protection.
Incubator Collimation.

Only sold in full meter lengths

Barium Flexible Sheeting

Suitable for areas where lead might contaminate. i.e the food industry. 0.125 and 0.25 Pbmm only.
Approx 50% heavier and double the thickness of Pb Vinyl

<table>
<thead>
<tr>
<th>Pbmm</th>
<th>Actual Thickness</th>
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</thead>
<tbody>
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<tr>
<td>0.25</td>
<td>1.1mm</td>
<td>PB25</td>
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<td>2.0mm</td>
<td>PB50</td>
</tr>
<tr>
<td>1.0</td>
<td>3.5mm</td>
<td>PB10</td>
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<tr>
<td>Barium Flexible Sheeting</td>
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<tr>
<td>0.125</td>
<td>&lt; 1.0mm</td>
<td>BA125</td>
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<tr>
<td>2.5</td>
<td>3.0mm</td>
<td>BA25</td>
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**Spare Parts**

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<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Replacement set of Toggles</td>
<td>STG</td>
</tr>
<tr>
<td>Replacement Velcro Belts</td>
<td>SVB</td>
</tr>
<tr>
<td>Replacement Weight Adjuster Belts</td>
<td>WBW</td>
</tr>
<tr>
<td>“D-I-Y” Shoulder Clip Set (M &amp; F)</td>
<td>SCS</td>
</tr>
</tbody>
</table>

**Standard Repair**
- Shoulder Clips
- Fastenings
- Pb patching (i.e not whole panel replacement)
- Rebinding
- Small outer cover tears - by a sewn-on patch

**Deluxe Repair covers all the above items PLUS:**
- A full re-cover (inners & outers) of the apron in one of our wide range of covers
- New foam shoulder pads
- The apron then looks “brand new”

**NOTE:**
- 3 months warranty applies to all parts repaired
- All items must be cleaned and disinfected
- Urgent repairs can usually be completed in 24 hours BUT these must be pre-booked with us

Repairs are of very cost effective way of prolonging the life of an apron.
Please call us to discuss your needs in more detail so we may provide you with a competitive price.
Please be sure to mark on the apron any areas of hidden Pb damage so we can patch appropriately, we have no screening facilities at the factory.
Ask us about our managed approach, where we can refresh a whole dept and provide you with replacement aprons whilst yours are being repaired.
Glasses

Sport

Lightweight, extremely comfortable. Side arms with “non-slip” rubber inserts, bridge.
Made from very soft rubber for comfort.
Complete with retainer strap.


<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
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<tbody>
<tr>
<td>0.75</td>
<td>58 gm</td>
<td>Red / Silver / Black</td>
<td>GLSW</td>
</tr>
<tr>
<td>0.75 (0.5 Side Lead)</td>
<td>68 gm</td>
<td>Red / Silver / Black</td>
<td>GLSWSS</td>
</tr>
</tbody>
</table>

Cruiser

Presenting the most technically advanced, comfortable pair of radiation protection glasses on the market today.
This frame offers the following:
Ratcheting temples make it easy to adjust the lens to fit closer to the face.
A close fit helps with fogging and splash.
Side shields optional.

Available in: Plain Lens only

<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
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</thead>
<tbody>
<tr>
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<td>74 gm</td>
<td>Grey and Yellow</td>
<td>GLCR</td>
</tr>
</tbody>
</table>
**Nike Brazen**

The Nike Brazen streamline style, comfort and light weight durability. Feature a nylon frame and ventilated nose bridge for reduced fogging.

Available in: Plain lens / Single Vision

<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75</td>
<td>76.7 gm</td>
<td>Black</td>
<td>GLNIKE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tortoiseshell</td>
<td>GLNIKESS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blue / Black</td>
<td>(with Side Lead)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lime / Black</td>
<td></td>
</tr>
</tbody>
</table>

**Astro Deluxe**

Moulded side shields & adjustable for close fitting comfort. Arm length & frame angle adjustable.

Available in: Plain lens / Single Vision

<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75 (0.5 Side Lead)</td>
<td>80 gm</td>
<td>Grey and Yellow Pink</td>
<td>GLAD</td>
</tr>
<tr>
<td>0.75 (0.5 Side Lead)</td>
<td>88 gm (with side lead.)</td>
<td>Grey and Yellow Pink</td>
<td>GLADSS (with side lead)</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
MINI Sport
Same frame as the sport but slightly smaller for smaller faces.
Made with ultra soft nose pads and is available with or without side shields.

Available in: Single Vision / Bi focal and Progressive lenses

<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75</td>
<td>60 gm</td>
<td>Cherry Vine / Silver</td>
<td>GMINI</td>
</tr>
<tr>
<td>0.75 (0.5 Side Lead)</td>
<td>68 gm</td>
<td>Cherry Vine / Silver</td>
<td>GLMINISS</td>
</tr>
</tbody>
</table>

Predator
Excellent wrap around for splash protection as it fits close to the cheeks and has larger lenses.
Designed to be more comfortable for a larger head.
Made with ultra soft nose pads and is available with or without side shields.

Available in: Plain lenses only

<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75</td>
<td>70 gm</td>
<td>Silver / Black</td>
<td>GPRED</td>
</tr>
<tr>
<td>0.75 (0.5 Side Lead)</td>
<td>&gt; 70gm</td>
<td>Silver / Black</td>
<td>GLPREDSS (with side lead)</td>
</tr>
</tbody>
</table>
Fit Overs
Wide frame allows you to place over most other glasses, reducing the need for bespoke presciptions.

<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75 (0.5 sides)</td>
<td>90 gm</td>
<td>Black/ Tortoiseshell</td>
<td>GLFT</td>
</tr>
</tbody>
</table>

Wrap Around
Nylon frame distributes weight evenly and provides good peripheral vision.


<table>
<thead>
<tr>
<th>Lens Pb mm:</th>
<th>Weight:</th>
<th>Colour:</th>
<th>Order Code:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75</td>
<td>90 gm</td>
<td>Silver Tortoiseshell</td>
<td>GLWR</td>
</tr>
</tbody>
</table>
Apron Storage

Mobile Rail

For use with either HA170 or HA175 Hangars.
Holds up to 10 aprons
4 rubber tyred wheels.
Tubular steel construction.
Dims: 147h x 125l x 51w cm

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile Rail</td>
<td>HA172</td>
</tr>
<tr>
<td>Wooden Coat Hangar</td>
<td>HA170</td>
</tr>
<tr>
<td>Chrome Steel Hanger</td>
<td>HA175</td>
</tr>
<tr>
<td>Wall Mounted Rail</td>
<td>HA171</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Mobile Swing Arm Rail

10 arms arc to provide easy access.
Rubber tyred wheels (2 with brakes) for easy movement across all types of floor coverings.
Easy assembly flat pack.
Dims: 61w x 66d x 145h cm

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile Swing Arm</td>
<td>HA10KT</td>
</tr>
<tr>
<td>Kilt/Skirt Hook</td>
<td>SKHK</td>
</tr>
<tr>
<td>Easily fitted to the apron arms</td>
<td></td>
</tr>
<tr>
<td>to provide secure hanging for</td>
<td></td>
</tr>
<tr>
<td>Combi Kilts</td>
<td></td>
</tr>
<tr>
<td>Supplied in Pairs</td>
<td></td>
</tr>
</tbody>
</table>
Apron Storage

Wall Mounted Foldaway

Aprons are held on 5 shaped arms. Arms swing away against wall to save space, to RIGHT (viewed when facing wall.)
Dims: Backplate 15x20cms. Max arc is 72cms
Wall loading minimum of 60kgs (approx)

### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Mounted Foldaway 5 Arm System (Right)</td>
<td>HA5KR</td>
</tr>
<tr>
<td>Wall Mounted Foldaway 5 Arm System (Left)</td>
<td>HA5KL</td>
</tr>
<tr>
<td>Wall Mounted Foldaway 2 Arm System (Right)</td>
<td>HA2KR</td>
</tr>
<tr>
<td>Wall Mounted Foldaway 2 Arm System (Left)</td>
<td>HA2KL</td>
</tr>
</tbody>
</table>

**Kilt/Skirt Hook**

Easily fitted to the apron arms to provide secure hanging for Combi Kilts
Supplied in Pairs.

**Wall Rail.**

Solid Steel Bar construction.
Legs available for extra support if partition wall.
Manufactured to your specification.

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Mobile Screens - Flexible

Flexible Pb/vinyl sheet(s) suspended from a spring-assisted, height adjustable (60-115cm) “H” base. Fitted with rubber tyred wheels - 2 are braked. Screen colour depends on Pb, white frame. Modular nature allows easy upgrade from “LY” to “L” if requirements change. Other sizes available on request.

<table>
<thead>
<tr>
<th>Type</th>
<th>Pb mm</th>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>LY Type 1 x Panel Mobile screen</td>
<td>0.5</td>
<td>70 x 60</td>
<td>MS5Y</td>
</tr>
<tr>
<td></td>
<td>1.00</td>
<td>70 x 60</td>
<td>MS1Y</td>
</tr>
<tr>
<td>L Type 2 x Panel Mobile screen</td>
<td>0.5</td>
<td>70 x 115</td>
<td>MS5L</td>
</tr>
<tr>
<td></td>
<td>1.00</td>
<td>70 x 115</td>
<td>MS1L</td>
</tr>
</tbody>
</table>
Mobile Screens - Solid

Our own manufacture solid screen - Standard size or made to your specification.
Standard finish is white or grey melamine with Aluminium trim.
Others can be specified.
Locking rubber tyred wheels.

<table>
<thead>
<tr>
<th>Type</th>
<th>Pb mm</th>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile Type R</td>
<td>2.0</td>
<td>75 x 200</td>
<td>MS2R75</td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td>90 x 200</td>
<td>MS2R90</td>
</tr>
<tr>
<td></td>
<td>2.0</td>
<td>120 x 200</td>
<td>MS2R12</td>
</tr>
<tr>
<td>Mobile Variable Height</td>
<td>0.5/1.0</td>
<td>78 x 190</td>
<td>MS1V</td>
</tr>
</tbody>
</table>
Fixed Screen Installations

Aluminium trim is standard but ash or other lacquered wood finish can still be supplied. Please contact us with full details of your requirements and a room/department plan so we can decide on the best type of fixings. We will be very pleased to give you a competitive quote for either supply only, or full installation. The Pb sheet is pressure bonded to backing material using an hydraulic press to ensure stability & longevity. All shielding work is carried out to the necessary standards.

Lead Curtains

Curtains provide a method of separating patient bays in areas of mobile x-ray activity. Available upto 0.5mm Pb. Reinforced eyelets. Do not behave like normal curtains due to their weight. Please consult your local RPA, you may only require 0.25. 0.5 are more cumbersome and may not be needed.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Pb mm</th>
<th>Weight</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>120w x 200h</td>
<td>0.25</td>
<td>9</td>
<td>PC25</td>
</tr>
<tr>
<td>120w x 200h</td>
<td>0.5</td>
<td>19</td>
<td>PC50</td>
</tr>
</tbody>
</table>

Curtain Rail

Aluminium with wall roses, ceiling hooks and runners as necessary. Can be supplied for self assembly or custom made and fitted. Drawings required.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Pb mm</th>
<th>Weight</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upto 6 m</td>
<td>-</td>
<td>5</td>
<td>CR60</td>
</tr>
<tr>
<td>Up to 3 m</td>
<td>-</td>
<td>2.5</td>
<td>CR30</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Structural Protection

Eye & Thyroid Shield

Ceiling mounted sheet of Pb/Glass with/without Pb Curtain suspended from a multi-positional counter-balanced arm attached to a ceiling rose.

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Size: w x h (cm)</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0/0.5</td>
<td>30 x 40</td>
<td>ES153, ES155</td>
</tr>
<tr>
<td>2.0/0.5</td>
<td>40 x 50</td>
<td>LP29</td>
</tr>
</tbody>
</table>

Back Stop Shields

Lead/Vinyl with 2 “hooks” for hanging over bed-ends/heads to reduce radiation scatter during mobile/ward radiography.

<table>
<thead>
<tr>
<th>Item</th>
<th>Pb mm</th>
<th>Size: w x h (cm)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bed Head Shield</td>
<td>0.50</td>
<td>60 x 75</td>
<td>BS50</td>
</tr>
<tr>
<td></td>
<td>1.00</td>
<td>60 x 75</td>
<td>BS10</td>
</tr>
<tr>
<td>Cassette Shield</td>
<td>2.00</td>
<td>40 x 50</td>
<td>AT50</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
# Cardio/Angio under Table Screens

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under Table screen</td>
<td>60cm wide, 70cm deep. 0.50Pb Slides along Din rail. Fits on RH or LH side. Hinges at a variable angle to table. Solid Panels standard but slatted ones available.</td>
<td>TS01</td>
</tr>
<tr>
<td>Optional Top Guard</td>
<td>Removable top portion.</td>
<td>TS01T</td>
</tr>
<tr>
<td>Custom</td>
<td>Other configurations available upon request.</td>
<td>CUSTOM</td>
</tr>
<tr>
<td>No DIN Rail</td>
<td>Self adhesive Velcro option for when no DIN rail is available.</td>
<td>CUSTOMV</td>
</tr>
</tbody>
</table>

For pricing, visit [www.rothband.com](http://www.rothband.com)
**SideWinder™ Table Shield**

If you can’t fit an Overhead suspended arm shield then maybe this will solve your scatter problems. Attaches to table side-rail so easily adjusted to the required working position. Provides 360 degrees rotation both vertically & horizontally tiltable. 0.50mmPb Perspex Screen.

Available with an extended reach arm giving a further 25cm reach.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Arm</td>
<td>Screen 50w x 40H cms</td>
<td>SWS1</td>
</tr>
<tr>
<td>Extended Arm</td>
<td>Screen 50w x 40H cms</td>
<td>SWE1</td>
</tr>
</tbody>
</table>

Also available with hand/arm cut-outs. Ask for details.

For pricing, visit www.rothband.com
Scoliosis Shawl
Protects breast tissue during spinal examinations.

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Size (LxW)</th>
<th>Light Weight</th>
<th>No Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50</td>
<td>80 x25</td>
<td>SH50 LW</td>
<td>SH50 N</td>
</tr>
</tbody>
</table>

Child Aprons
Smaller format apron to provide full protection to children.

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Size (LxW)</th>
<th>Light Weight</th>
<th>No Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.35</td>
<td>33 x 36w</td>
<td>CH 33 –LW</td>
<td>CH 33 –N</td>
</tr>
<tr>
<td>0.35</td>
<td>51 x 36</td>
<td>CH 35 –LW</td>
<td>CH 35 –N</td>
</tr>
<tr>
<td>0.35</td>
<td>66 x 36</td>
<td>CH 36 –LW</td>
<td>CH 36 –N</td>
</tr>
<tr>
<td>0.35</td>
<td>76 x 46</td>
<td>CH 37 –LW</td>
<td>CH 37 –N</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com
www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Lower Back Shields

Webbing belt with Velcro fastening, but a webbing belt with buckle is a no cost option. Specify “Steritouch Cover ” on your order as an option to help prevent cross infection.

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Size (LxW)</th>
<th>Light Weight</th>
<th>No Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50</td>
<td>51 x 64</td>
<td>LB 5 A –LW</td>
<td>LB 5 A –N</td>
</tr>
<tr>
<td>0.50</td>
<td>46 x 46</td>
<td>LB 5 B –LW</td>
<td>LB 5 B –N</td>
</tr>
<tr>
<td>0.50</td>
<td>40 x 40</td>
<td>LB 5 C –LW</td>
<td>LB 5 C –N</td>
</tr>
<tr>
<td>0.50</td>
<td>38 x 31</td>
<td>LB 5 D –LW</td>
<td>LB 5 D –N</td>
</tr>
<tr>
<td>0.50</td>
<td>31 x 31</td>
<td>LB 5 E –LW</td>
<td>LB 5 E –N</td>
</tr>
<tr>
<td>0.50</td>
<td>15 x 15</td>
<td>LB 5 F –LW</td>
<td>LB 5 F –N</td>
</tr>
</tbody>
</table>
Kings lynn
Almost Radiolucent plastic encased metal Pb.
4 sizes complete with wall rack with positioning instructions.

Pb mm: 2.0
Size Order Code
Small GC1S
Medium GCIM
Large GCIL
Set of 4 GKLSet

Cup Shaped
Navy Covered Pb/PVC

Pb mm: 1.0
Size Order Code
Small GC1S

T-Shaped
Metal Pb is completely encased in a moulded, easily cleaned, grey plastic.

Pb mm: 2.0
Size Order Code
Small GC1S
Medium GCIM
Large GCIL
Set of 3 GCI Set

Wall Rack GTBox

Flexi Type
Unisex Nylon Covered flexible Pb/ PVC with bound edges 3 sizes available.
Option to factory fit an elasticated waist belt.

Pb mm: 2.0
Size Order Code
Small GC1S
Medium GCIM
Large GCIL
Set of 3 GFLSet

Belt GFBelt

Ovary Shields
Welded easy clean covers for hygiene.
Tapes to ensure correct positioning.

Pb mm: 2.0
Size Order Code
Set of 3 GOLSet

For pricing, visit www.rothband.com
Dental Aprons

With adjustable velcro neck fastening, choice of colours. Designed with higher neck for increased thyroid protection. Made from our light weight Pb, unless specified otherwise.

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25</td>
<td>76 x 56</td>
<td>DT2A</td>
</tr>
<tr>
<td>0.25</td>
<td>58 x 48</td>
<td>DT2C</td>
</tr>
</tbody>
</table>

Dental Thyroid Collar

Designed by dental radiographers for minimal masking. The neck strap does not contain any radiopaque materials, to avoid artefact during OPG’s.

<table>
<thead>
<tr>
<th>Pb mm</th>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25</td>
<td>20 x 30</td>
<td>TPC2</td>
</tr>
</tbody>
</table>
Shield All - 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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shield All Complete</td>
<td>SALL5</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Grayshield

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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Contents</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thyroid Shield</td>
<td>Designed to provide maximum protection to the radio-sensitive thyroid gland. This self-adhesive shield gives approx 60% dose saving.</td>
<td>Pack of 10</td>
<td>ARTS</td>
</tr>
<tr>
<td>Eye Shield</td>
<td>Recommended single use. Self-adhesive. Approx 50% dose reduction.</td>
<td>Pack of 20</td>
<td>ARES</td>
</tr>
</tbody>
</table>
Positioning Aids

Lateral Hip Leg Support
Radiographer designed.
Unimpeded cross-table lateral x-rays.
Raises & angles the unaffected limb comfortably in a 45° position, and gives unobstructed access from the hip to the patella, reducing superimposition of thigh soft tissue on the neck of femur.
Lacquered MDF guards against knocks, provides stability and is easy to wipe clean.
Facility for additional weighting using either a water bottle or sandbag.
Size 47 x 23 x 46h cm.
Weight 4.7Kg
Use with Ferlic Filter for greater clarity.

Order Code: LHLS

The Fish Tank
Designed to be a more “infection control” friendly lateral leg support.
Rubber feet on the distal aspect to prevent slippage.
Strong PTEG design is less dense than perspex, creating less artefact.
Infection control friendly PU sling that can be removed for cleaning and if necessary, replaced.

Order Code: FTLS

For pricing, visit www.rothband.com
www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Positioning Aids

Restraint Strapping

Double-sided Velcro strapping.
Easily cut to length using scissors.
Fastens onto itself.
Use the loop (soft) side against the skin.
Single-sided Velcro, adhesive backing.

<table>
<thead>
<tr>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 mm wide - per single metre</td>
<td>FP50</td>
</tr>
<tr>
<td>50 mm wide - per twin metre</td>
<td>FP52</td>
</tr>
</tbody>
</table>

Flexi Straps

Flexible, Velcro receiving expanded neoprene strapping, for restraint of small or large body parts.
Larger sizes will even go round slim-line tables & patient.

<table>
<thead>
<tr>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 x 60</td>
<td>XTS91</td>
</tr>
<tr>
<td>5 x 90</td>
<td>XTS92</td>
</tr>
<tr>
<td>5 x 120</td>
<td>XTS93</td>
</tr>
<tr>
<td>10 x 60</td>
<td>XTS94</td>
</tr>
<tr>
<td>10 x 90</td>
<td>XTS95</td>
</tr>
</tbody>
</table>

Other Sizes Available

For pricing, visit www.rothband.com
Positioning Aids

Table Straps

Grey vinyl leather cloth 30 x 150cms fitted with 3 bands of Velcro to hold Patient to table or restrain limbs etc. Great for stabilising patients on a CT scanner.

Order Code: XTS150

Cervical Auto-Traction Straps

An alternative to the sandbags for supine patients
Two webbing straps, velcro adjustable for length.
Traction applied by simply extending legs.
Order Code: FP91

Surgical Drape Support

The Surgical Drape Support is a simple, lightweight, radiolucent device to keep surgical drapes off a patient’s face during procedures such as central line placement in any department
The SDS reduces the feeling of claustrophobia & allows easy visual observation of the patient

Designed & tested by Dr Stephen D’Souza & his team at Lancashire Teaching Hospital
Order Code: SDS1

Perspex J Shaped Arm Board

Slips under table pad and is held in place with the patients weight.
Made to order, size as required.
Order Code: RS140S

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Patient Transfer Aids

Glider
Radiolucent, full length, strong, flexible polypropylene transfer board.
Can be left in place during imaging.
Low friction & static.
Folds in half for easy storage. 180 x 59 cm.

Transfer Aids are only recommended for use on Patients up to 250Lbs/114Kg in weight

Order Code: GLDR

Padded Transfer Mat
Waterproof nylon covering a 25mm foam pad.
Webbing loop handles for safety & easy horizontal transfer.
NOT designed for Patient lifting - ONLY for sliding between trolley & imaging table tops.

Transfer Aids are only recommended for use on Patients up to 250Lbs/114Kg in weight
198 x 61 cms

Order Code: FP57
Patient Transfer Aids

Padded Trolley Mat

50mm or 75mm thick for long-term comfort.
Similar to FP57 but with a polypropylene base for rigidity.
Webbing loop handles each side assist horizontal transfer.
NOT designed for Patient lifting - ONLY for sliding between trolley & imaging table tops.

Transfer Aids are only recommended for use on Patients up to 250Lbs/114Kg in weight.

Please state mattress thickness at the time of order

Order Code: FP58

Patient Transfer Belt

Padded for comfort.
Webbing & clip adjustment for easy fitting to patient.
Assist patients out of chairs or the support of unsteady walkers.
Four strategically placed hand-holds for maximum ease of use.
Fits up to 114 cm waist

Order Code: XID18

For pricing, visit www.rothband.com
Steps & Lifts

Lateral Foot Imaging Step

Double hand-rails plus frontal crossbar means that patients feel much more secure during standing lateral foot examination. Specially designed step height of 400mm ensures compatibility with most X-ray tubes. Stable design tested to the requirements of EN14183 Stepstools. Low-slip treads. Easy to re-locate - just tilt & the step’s castors then make contact with the floor for moving. Closed cell foam lateral foot block (FP40L) included. Depending on equipment configuration the step can also be used for standing AP & Lateral Ankles.

Order Code: LFIS

Patient Step - Double

Welded for stability
Black epoxy with low-slip treads.
Safe recommended working load 158kgs / 25 stone.
Optional Second hand rail available, call for details.

Order Code: S105

Hand Rail
Order Code: S107D

For pricing, visit www.rothband.com

www.rothband.com - Tel: +44 (0) 1706 830086 - Fax: +44 (0) 1706 830324 - sales@rothband.com
Steps & Lifts

Patient Step - Single

Pictured on the left, the Single Patient Step now comes with attached handrail as standard. Dimensions: 36w x 28d x 22½cm high; Handrail height is 87cm. (Base Dimensions: 30½ x 41cm) Safe recommended working load 120kgs / 18 stone.

Order Code: S103/S107

Perspex Standing Feet Plate

Polished Perspex with rounded edges and non-slip feet for safety. Can accommodate a wide range of cassettes and D.R plates (please specify.)

Weight Limit: 200kg

Order Code:
35 x 43: GPFC354
24 x 30: GPFC243

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Steps & Lifts

MD220 Airlifter - Patient Lift

Air powered patient lifter.
Use for erect weight bearing radiology examination of feet, ankles, knees etc.
Can also be used as a seat for chest exams.
Open frame design means staff have easy access to area under examination both physically & visually.
Reduced risk to staff from injuries due to bending/aiding patients onto/off steps.
Provides a safer environment for patients & staff alike.
Max working load 220 Kg / 35 stone.
Platform size 770 x 560 wide mm.
Initial step height only 120mm.
Rises to 610mm.
Wheeled for easy movement for cleaning & transfer between rooms - good ground clearance.
Air powered operation means there is always safe & controlled emergency descent capability.

Order Code: MD220
MD220SR

OPTIONS:
MFP plate for Imaging - allows both Horizontal & Vertical plate positioning
Safety Rail
Half step to reduce step height by 50%
Battery powered air pump
Wheelchair Ramp

For pricing, visit www.rothband.com
Akucal Evo Suction™ Base Image Scaling Device

Available in 25mm, 25.4mm, 30mm

The NEW Akucal EVO Suction™ is the predecessor of the most versatile and best selling calibration stand on the market.

A suction base allows for use on both horizontal table tops AND on vertical wall bucky boards making this stand a single source solution for all scaling needs.

A patent pending radiolucent sphere holder and sphere size indicator unit ensures perfect visibility of the sphere in the image as well as the sphere size.

Simply place the suction base near the area of interest and use the flexible arm to position the marker at anatomy level.

Please be advised that a smooth flat surface is essential for best results.

The Akucal is available with a perspex base which is ideal for placement on trolleys and beds.

Order Code: AKS 250

For pricing, visit www.rothband.com
Plate Holders

**Mobile DR Plate Holder X**

Suitable for portable DR Panels and CR or film cassettes.

- Unlimited orientation for universal positioning possibilities.
- Telescopic width adjustable from 24.5 cm to 53.5 cm.
- Holds full leg/spine image receptors of any length.
- Not counterbalanced, but with easy height adjustment from floor level to 142 cm.
- Overhangs table or trolley by up to 49 cm.
- Accepts image receptor/cassette up to 30 mm thick of any length.
- Heavy base and low centre of gravity gives added stability.

*Order Code: CH05X*

**Mobile DR Plate Holder Y**

These versatile holders can be used with portable DR panels, CR, DR and film cassettes / grids from 24x30cm to 35x43cm and up to 3cm thick.

- The heavy duty base gives a low centre of gravity, which helps provide a precise, stable and safe imaging platform.
- Vertical movements are counterbalanced for simple and quick height adjustments.
- The sides of the holder can be quickly extended or retracted to secure different sizes.
- The holder can be turned, tilted and orientated to suit any desired examination position. It can therefore be placed above, beside, below or beneath a table or trolley.
- It is adjustable for height from floor level to 129cm (measured from the lower edge of the DR panel or cassette), and can overhang the x-ray or operating table by up to 62cm.
- Two counter balance load options.

*Order Code: > 6.7 Kg CHOSY7
> 4.3 Kg CHOSY4*

For pricing, visit [www.rothband.com](http://www.rothband.com)
DR Plate Holder

Made to order for every OEM DR panel on the market.

- Mobile or wall-mounted versions available.
- Panel can be positioned portrait or landscape.
- DR Panel always perpendicular to ground.
- Holder can extend from floor to ceiling.
- Pushbutton counter-balanced pulley system.
- No electrical outlet needed.
- Removable grid

- Dims: 137cm H x 50cm W x 59cm Depth
- Weight – 39Kgs
- Highest position – 185cm. Lowest position – 91 cm.

Order Code: DRPH

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Plate Holders

Padded Cassette Backrest
For chest examinations.  
Use behind patients when on trolleys/beds.  
Helps obtain an erect position.  
Fits any DR Plate, please specify.  
Wipeable & removable nylon outer covers.  
2 handles for easy carrying/positioning.

Approx 150 angle 40l x 50w x 15d cms

Order Code: PCBR

The Taylor-Mills Padded Cassette Holder
For use underneath patients.  
Foam padded “envelope” to fit up to any plate/cassette.  
Wipeable Nylon outer cover.  
Other sizes can be manufactured to fit the larger DR plates.  
Input by Alison Taylor (radiographer), to help create a more comfortable experience for elderly patients.

A donation to age UK will be made for each unit sold.

Order Code: PPCH

For pricing, visit www.rothband.com
**X Ray Slider**

The X-Ray Slider is a patented device that uses a low friction outer membrane in order to facilitate the placement of a radiographic medium under a patient negating the need to lift. For both digital & analogue cassettes, with or without grid
Accepts both portrait or landscape cassettes.
Essentially radiolucent covering so no increase in exposure is required.
Ideal for pelvic & abdominal exams on the ward.
Water resistant welded seams make it easy to clean.
Promotes patient comfort.
Promotes back care for staff.

**Order Code:** SLDR

**M Ray—Magnetic Plate Holder**

Permanent or switchable (Digital model) magnetic columns firmly hold X-Ray cassettes/plates vertically.
Analogue, CR or DR cassettes of any thickness can be positioned at any orientation.
Thin baseplate means easy positioning under patient.

**Ideally indicated for:**
Emergency trolley lateral C-Spine.
Lateral hip / air-gap or grid technique.
General lateral orthopaedic radiography.

**Order Code:**
CHMA - Cassette only
CHMD - Cassette / DR Plate

For pricing, visit www.rothband.com
Plate Holders

Lateral Imaging Blocks

<table>
<thead>
<tr>
<th>Description</th>
<th>L x W x H (cms)</th>
<th>Plain</th>
<th>Coated</th>
<th>Closed Cell</th>
<th>Pv Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lateral Knee Block: Chamfered edges for comfort &amp; ease of positioning.</td>
<td>36 x 30 x 12</td>
<td>-</td>
<td>-</td>
<td>FP39L</td>
<td>-</td>
</tr>
<tr>
<td>Specify slot width for your CR/DR plate.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standing Lateral Feet Block: Closed cell foam for hygiene - use on floor or</td>
<td>36 x 30 x 10</td>
<td>-</td>
<td>-</td>
<td>FP40L</td>
<td>-</td>
</tr>
<tr>
<td>raised on a step (handrail recommended).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specify slot width for your CR/DR plate.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Sliderers - Disposable Cassette Covers

Made from an extremely strong but slippy plastic which both
Assists in cassette placement & in Infection Control.

Easier placement & removal of cassette/plate.
Reduces back, arm & neck strain for staff.
Minimises movement required by patient.
Protection of cassette from fluids & contamination.
Protection of staff AND patients.
Dispose of as clinical waste.
Contact us for call-off order pricing.

Rail available for wall / Mobile machine mounting

<table>
<thead>
<tr>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sliderers 0-100</td>
<td>SLIDA</td>
</tr>
<tr>
<td>Sliderers 150-1000</td>
<td>SLIDB</td>
</tr>
<tr>
<td>Sliderers 1050+ (state volume)</td>
<td>SLIDC</td>
</tr>
<tr>
<td>Sliderer Holder</td>
<td>SLIDH</td>
</tr>
</tbody>
</table>

2 countersunk holes for wall fixing
Or use double sided adhesive pads for
mounting on a portable
Free with 1st order for 1000 sliderers!

For pricing, visit www.rothband.com
Plate Holders

PAG - DR plate holder

The Protect-A-Grid DR panel premium grid encasement allows for safe & effective examinations when using Direct Radiographic plates.

The PAG-DRP is a drop-on style that snaps on & off your existing DR panel quickly & effectively.

Product advantages:
Sturdy heavy duty Aluminum frame.
Helps to protect those expensive DR plates from accidental damage.
Models available to accommodate all DR panel makes & sizes.

Please provide us with details of your equipment manufacturer & the size of the plate you require.

Can be supplied with a grid of your choice.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encasement without grid</td>
<td>PAG</td>
</tr>
<tr>
<td>PAG with grid, 24 x 30, 8:1/40 lines AL/AL</td>
<td>PAG2430AA</td>
</tr>
<tr>
<td>PAG with grid, 35 x 43, 8:1/40 lines AL/AL</td>
<td>PAG3540AA</td>
</tr>
<tr>
<td>PAG with grid, 35 x 43, 8:1/70 lines AL/AL</td>
<td>PAG3570AA</td>
</tr>
<tr>
<td>PAG with grid, 35 x 43, 8:1/70 lines CF/AL</td>
<td>PAG3570CA</td>
</tr>
<tr>
<td>PAG designed for DRX1, 215/10:1</td>
<td>PAGDRX1-A</td>
</tr>
<tr>
<td>PAG designed for DRX1, 103/10:1</td>
<td>PAGDRX1-B</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
**Grid Lids**

Grid-lids allow a stationary grid to be fitted to most types of cassette allowing grid & cassette to be positioned as one object.
Filts all CR plates and Grid sizes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 x 24 cm</td>
<td>GFR182</td>
</tr>
<tr>
<td>24 x 30 cm</td>
<td>GFR243</td>
</tr>
<tr>
<td>30 x 40 cm</td>
<td>GFR304</td>
</tr>
<tr>
<td>35 x 35 cm</td>
<td>GFR353</td>
</tr>
<tr>
<td>35 x 43 cm</td>
<td>GFR354</td>
</tr>
</tbody>
</table>

**Grid Covers**

Grid covers are a clear, rigid, plastic envelope. They offer a degree of protection to the grid & are easy to clean.
Note: these do not attach to the cassette like grid lids.

<table>
<thead>
<tr>
<th>Size</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 x 24 cm</td>
<td>GPX182</td>
</tr>
<tr>
<td>24 x 30 cm</td>
<td>GPX243</td>
</tr>
<tr>
<td>30 x 40 cm</td>
<td>GPX304</td>
</tr>
<tr>
<td>35 x 35 cm</td>
<td>GPX353</td>
</tr>
<tr>
<td>35 x 43 cm</td>
<td>GPX354</td>
</tr>
</tbody>
</table>
Grids

**Aluminium Grids**

<table>
<thead>
<tr>
<th>Size</th>
<th>40 Lines Order Code</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 x 24</td>
<td>S182840</td>
<td>8:1</td>
</tr>
<tr>
<td>24 x 30</td>
<td>S243840</td>
<td>8:1</td>
</tr>
<tr>
<td>30 x 40</td>
<td>S304840</td>
<td>8:1</td>
</tr>
<tr>
<td>35 x 35</td>
<td>S353840</td>
<td>8:1</td>
</tr>
<tr>
<td>35 x 43</td>
<td>S354840</td>
<td>8:1</td>
</tr>
</tbody>
</table>

They have aluminium interspacing and aluminium outer covers.
Available in Parallel or Focussed formats.
Focussed grids have a focal distance of 100-105cm - others available.
ADD (P) For Parallel or (F) for Focussed to the end of the grid order code.

**Carbon Fibre Grids**

<table>
<thead>
<tr>
<th>Size</th>
<th>40 Lines Order Code</th>
<th>Ratio</th>
<th>70 Lines Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 x 30</td>
<td>C243840</td>
<td>8:1</td>
<td>C243870</td>
</tr>
<tr>
<td>35 x 43</td>
<td>C354840</td>
<td>8:1</td>
<td>C354870</td>
</tr>
</tbody>
</table>

Available in Parallel or Focussed formats.
Focussed grids have a focal distance of 100-105cm - others available.
ADD (P) For Parallel or (F) for Focussed to the end of the grid.
Ferlic Filter - Swimmers and Lateral Hip

Improves image quality by filtering & collimating.
Even density of x-rays & image from C1 to T1.
Even density on Lateral hips from acetabulum to the distal femur.
Reduce overall patient exposure.
Increase patient throughput (no wait for medical staff to apply traction etc.)
Reduce costs & eliminate retakes.
Shows all radiological information at one window & level setting.

<table>
<thead>
<tr>
<th>Tube Mfr &amp; / or Rail Dimensions</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>G.E 164mm</td>
<td>FRCG</td>
</tr>
<tr>
<td>Philips 169mm</td>
<td>FRCP</td>
</tr>
<tr>
<td>Siemens 176mm</td>
<td>FRCS</td>
</tr>
</tbody>
</table>
Filters

Octostop - little Prism

Made from flexible silicone rubber.
Evens out densities in examinations involving high inherent contrast.
Shows all radiological information at one window & level setting.
Attaches to light beam diaphragm using supplied Velcro.
Double-contrast barium studies (attach to LBD.)
Leg Length (attach to LBD instead of using graduated screens)
Calcaneum (axial view.)
Olecranon (axial view.)
Patella & Tibial tuberosity.

Order Code: CFPM

Octostop - Boomerang

Made from flexible silicone rubber.
Evens out densities in examinations involving high inherent contrast.
Shows all radiological information at one window & level setting.
Shoulders (particularly air-arthrograms.)
Lower maxilla, Cephalometry D1-D3 (in AP projection.)
Superficial bone lesions.

Order Code: CFBG
CFBGBD (with Beads)

For pricing, visit www.rothband.com

www.rothband.com - Tel: +44 (0) 1706 830086 - Fax: +44 (0) 1706 830324 - sales@rothband.com
Filters

Octostop - Gentle Slope

Made from flexible silicone rubber (virtually unbreakable.)
Evens out densities in examinations involving high inherent contrast.
Save on repeat exposures.
Shows all radiological information at one window & level setting.
For even densities from “toes to tarsals” & “fingers to carpals”
Ideal for imaging of Rheumatic disease.

Order Code: CFSP
Foam Positioning Pads

**Standard Poly foam**
Functionally radiolucent and generally artefact-free.  
It provides a “non-slip” surface.  
Combustion Modified Highly Resilient (CMHR) as approved by Fire Officers.  
Standard foam has a firmness rating of 40.

**Coated Foam**
Easily wiped clean.  
Potentially radio opaque, caution should be used when using softer beams.

**Closed cell Foam**
Easily wiped clean  
Will not absorb any fluids even if torn.  
“Non-slip” surface.  
Functionally radiolucent & generally artefact-free.  
Limited to smaller angular shapes - max height 100mm

**Covered Foam**
Sewn covers utilise our waterproof polyester/vinyl (Pv) apron cover material.  
Covers for larger shapes/pads are normally zipped for easy removal & laundering.  
Choice of colours.  
Easy to wipe clean.  
Normally only regular shaped wedges & blocks can be covered.

**Upholstered Foam**
Certain large shapes can be covered in Flame Retardant (grey) vinyl.  
FP21, 29, 32, & 33 being the most common.  
Sewn seams will normally show but are easily identifiable as such.

For pricing, visit www.rothband.com
Individual Foam Shapes - Blocks & Wedges

<table>
<thead>
<tr>
<th>Model</th>
<th>Shape Description</th>
<th>Dimensions</th>
<th>Materials</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>FPO2</td>
<td>Rectangular Block</td>
<td>23 x 18 x 6</td>
<td>Plain, Coated</td>
<td>Closed Cell: FP02L, PV Cover: FP02Z</td>
</tr>
<tr>
<td>FPO3</td>
<td>D Shape Block</td>
<td>25 x 15 x 5</td>
<td>Plain, Coated</td>
<td>Closed Cell: FP03L, PV Cover: FP03Z</td>
</tr>
<tr>
<td>FPO4</td>
<td>Wedge 20°</td>
<td>18 x 23 x 6</td>
<td>Plain, Coated</td>
<td>Closed Cell: FP04L, PV Cover: FP04Z</td>
</tr>
<tr>
<td>FPO5</td>
<td>Wedge 45°</td>
<td>18 x 18 x 18</td>
<td>Plain, Coated</td>
<td>Closed Cell: FP05L, PV Cover: FP05Z</td>
</tr>
<tr>
<td>FPO6</td>
<td>Wedge 45°</td>
<td>9 x 15 x 9</td>
<td>Plain, Coated</td>
<td>Closed Cell: FP06L, PV Cover: FP06Z</td>
</tr>
<tr>
<td>FPO9</td>
<td>Wedge 15°</td>
<td>25 x 18 x 6</td>
<td>Plain, Coated</td>
<td>Closed Cell: FP09L, PV Cover: FP09Z</td>
</tr>
<tr>
<td>FP10</td>
<td>Body Support</td>
<td>45 x 25 x 20</td>
<td>Plain, Coated</td>
<td>Closed Cell: - PV Cover: -</td>
</tr>
<tr>
<td>FP11</td>
<td>Angled Block</td>
<td>15 x 7 x 6 x 2</td>
<td>Plain, Coated</td>
<td>Closed Cell: - PV Cover: -</td>
</tr>
<tr>
<td>FP21</td>
<td>Back Rest 45°</td>
<td>46 x 46 x 46</td>
<td>Plain, Coated</td>
<td>Closed Cell: - PV Cover: -</td>
</tr>
<tr>
<td>FP29</td>
<td>Spinal Wedge 45°</td>
<td>18 x 60 x 18</td>
<td>Plain, Coated</td>
<td>Closed Cell: - PV Cover: -</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Individual Foam Shapes

FP32
Multi-angle Wedge: 30, 60 & 90°
25 x 60 x 18
Plain FP32
Coated FP32C
Closed Cell: -
PV Cover: FP32Z

FP07
Cylinder
15 Diam x 30
Plain FP07
Coated FP07C
Closed Cell: -
PV Cover: -

FP13
Neck Support
15 x 30 x 15
Plain FP13
Coated FP13C
Closed Cell: -
PV Cover: -

FP14
Head Rest - Low
25 x 10 x 8
Plain FP14
Coated -
Closed Cell: -
PV Cover: -

FP15
Head Rest - High
25 x 10 x 10
Plain FP15
Coated -
Closed Cell: -
PV Cover: -

FP16
Head Ring - Slim
23 diam x 4
Plain FP16
Coated FP16C
Closed Cell: -
PV Cover: -

FP17
Head Ring - Thick
23 diam x 8
Plain FP17
Coated FP17C
Closed Cell: -
PV Cover: -

FP18
Skull Block - Adult
25 x 20 x 8
Plain FP18
Coated FP18C
Closed Cell: -
PV Cover: -

FP19
Skull Block - Child
18 x 15 x 5
Plain FP19
Coated FP19C
Closed Cell: -
PV Cover: -

FP30
Orbix Skull Pad
16 x 16 x 7.5
Plain FP30
Coated FP30C
Closed Cell: -
PV Cover: -

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP31</td>
<td>CT Head Pad: Wing</td>
<td>22 x 10 x 4</td>
</tr>
<tr>
<td></td>
<td>Plain FP31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coated FP31C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closed Cell: -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PV Cover: -</td>
<td></td>
</tr>
<tr>
<td>FP12</td>
<td>Lumbar Support</td>
<td>41 x 23 x 6</td>
</tr>
<tr>
<td></td>
<td>Plain FP12</td>
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<tr>
<td></td>
<td>Coated -</td>
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</tr>
<tr>
<td></td>
<td>Closed Cell: -</td>
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</tr>
<tr>
<td></td>
<td>PV Cover: -</td>
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<tr>
<td>FP20</td>
<td>Baby Immobiliser</td>
<td>51 x 25 x 15</td>
</tr>
<tr>
<td></td>
<td>Plain -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coated FP20C</td>
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</tr>
<tr>
<td></td>
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<tr>
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<td>PV Cover: -</td>
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<tr>
<td>FP24</td>
<td>Under Knee Rest</td>
<td>36 x 15 x 9</td>
</tr>
<tr>
<td></td>
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<td></td>
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<tr>
<td></td>
<td>Coated FP24C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closed Cell: -</td>
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<tr>
<td></td>
<td>PV Cover: -</td>
<td></td>
</tr>
<tr>
<td>FP25</td>
<td>Abdomen block</td>
<td>15 x 36 x 15</td>
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<tr>
<td></td>
<td>Plain FP25</td>
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<tr>
<td></td>
<td>Coated -</td>
<td></td>
</tr>
<tr>
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<tr>
<td></td>
<td>PV Cover: -</td>
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</tr>
<tr>
<td>FP26</td>
<td>Abduction Pillow</td>
<td>46 x 38 x 11</td>
</tr>
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<td></td>
<td>Plain FP26</td>
<td></td>
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<tr>
<td></td>
<td>Coated FP26C</td>
<td></td>
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<tr>
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<td>Closed Cell: FP26L</td>
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<tr>
<td></td>
<td>PV Cover: FP26Z</td>
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<tr>
<td>FP33</td>
<td>Decubitus Pad</td>
<td>32 x 56 x 4</td>
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<td></td>
<td>Plain FP33</td>
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<td>Coated FP33C</td>
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<td>Closed Cell: -</td>
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<tr>
<td></td>
<td>PV Cover: FP33Z</td>
<td></td>
</tr>
<tr>
<td>FP34</td>
<td>Cross Table</td>
<td>43 x 35 x 33</td>
</tr>
<tr>
<td></td>
<td>Plain FP34</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coated -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closed Cell: -</td>
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<td></td>
<td>PV Cover: -</td>
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</tr>
<tr>
<td>FP35</td>
<td>Trans Vaginal Pad</td>
<td>450 x 50 x 15</td>
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<tr>
<td></td>
<td>Plain -</td>
<td></td>
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<tr>
<td></td>
<td>Coated -</td>
<td></td>
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<tr>
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<td>Closed Cell: -</td>
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<tr>
<td></td>
<td>PV Cover: FP35Z</td>
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<tr>
<td>FP41</td>
<td>Kyphotic Chest Pad</td>
<td>36 x 36 x 11</td>
</tr>
<tr>
<td></td>
<td>Plain -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coated -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Closed Cell: FP41L</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PV Cover: -</td>
<td></td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com
Foam Shape Sets

FP01 Standard Set
FP02 + 2x FP03, 2x FP04, 2x FP05, 2x FP06

Plain FP01
Coated FP01C
Closed Cell: FP01L - FP05/FP06 have a slightly different dimension.
PV Cover: FP01Z

FP45 Jumbo Set
12x FP05, 4x FP06, 4x FP09, 4x FP04 & 6x FP02

Plain FP45
Coated FP45C
Closed Cell: FP45L - FP06 has a slightly different dimension.
PV Cover: FP45Z

FP46 Large Set
8x FP05, 4x FP06, 4x FP09, 2x FP04 & 4x FP02

Plain FP46
Coated FP46C
Closed Cell: FP46L - FP05/FP06 have a slightly different dimension.
PV Cover: FP46Z

FP63 Triangle Set
FP04, FP05, FP06 & FP09: 20, 45, 45 & 15° resp'

Plain FP63
Coated FP63C
Closed Cell: FP63L - FP05/FP06 have a slightly different dimension.
PV Cover: FP63Z

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Foam Shape Sets

FP66 Block Set
Set of 8 rectangular blocks.
2 each of 10 x 15cm by 1.2, 2.5, 3.7 & 5.0cm deep

Plain  FP66
Coated  FP66C
Closed Cell:  FP66L
PV Cover:  FP66Z

FP69 Mixed Set
FP05, FP06, FP04 & FP02

Plain  FP69
Coated  FP69C
Closed Cell:  FP69L
PV Cover:  FP69Z

FP65 Fluoroscopy Set
FP29, FP32, FP33

Plain  -
Coated  -
Closed Cell:  -
PV Cover:  FP65

Custom Designs
Contact us with a sketch showing your requirements giving the dimensions & angles as shown (right), foam density & type & colour of cover (if any) required.

For pricing, visit www.rothband.com

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Sandbags

Double bag construction to minimise leaks
Inner bag has fully welded seams
Standard outer cover is our easy-wipe soft Pv as standard

Pv or Nylon – your choice of colours or as supplied
Silica sand, limp filled for easy flow
Any size or weight to order

Formula to calculate sandbag price

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Pv cover Per sq cm 2.6p, Minimum of:</th>
<th>£ 10.00</th>
<th>Nylon cover Per sq cm 2.6p, Minimum of:</th>
<th>10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBP</td>
<td></td>
<td></td>
<td>SBN</td>
<td></td>
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Options

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Extra Handle SBH</th>
<th>Extra D Ring SBD</th>
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</thead>
<tbody>
<tr>
<td>SBH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SBD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| FP82       | 18 x 24 cms 1.5 kg |
| FP83       | 15 x 45 cms 3.0 kg |
| FP84       | 15 x 60 cms 5.0 kg |
| FP85       | 30 x 30 cms 6.0 kg |

For pricing, visit www.rothband.com
## Product Description

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cervical Sandbags - pair</td>
<td>FP88</td>
</tr>
<tr>
<td>Better visualisation of C7 in upright studies</td>
<td></td>
</tr>
<tr>
<td>Fitted with webbing handle</td>
<td></td>
</tr>
<tr>
<td>4.5 kgs each</td>
<td></td>
</tr>
<tr>
<td>Standard Radiographic set</td>
<td>FP81</td>
</tr>
<tr>
<td>One of each of the Following:</td>
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<tr>
<td>FP82, FP83, FP84, FP86</td>
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</tr>
<tr>
<td>Paediatric Set</td>
<td>FP89</td>
</tr>
<tr>
<td>Quick &amp; easy positioning of an infant</td>
<td></td>
</tr>
<tr>
<td>One for each arm, one for the legs</td>
<td></td>
</tr>
<tr>
<td>3 kgs each</td>
<td></td>
</tr>
<tr>
<td>3 x 15 x 45cms (A)</td>
<td></td>
</tr>
<tr>
<td>Above in Frog design</td>
<td>FP89F</td>
</tr>
</tbody>
</table>
X-Ray Markers

Clip-on Markers
AP and PA available. Can be customised to include up to 3 extra characters.

Order Codes:
AP marker: CLA1
PA marker: CLP1

1 Extra Character: CLC1
2 Extra Characters: CLC2
3 Extra Characters: CLC3
Extra Letters to be specified at the time of order.

Strap with Lead Legends
13mm Pb letters on a 150 mm flexible strap.
Characters have a greater opacity than some other markers.

Order Codes:
Order Code: CLST

Perspex Markers
25mm square tablet
Can be customised to include up to 3 extra characters.

Order Codes:
Rt marker: LLIR
Lt marker: LLIL
Extra Char: LLIX
Extra Letters to be specified at the time of order.

Perspex Markers Double Density
25mm square tablet
Can be customised to include up to 3 extra characters.

Order Codes:
Rt marker: LLDDIR
Lt marker: LLDDIL
Extra Char: LLIX
Extra Letters to be specified at the time of order.

Round Chain
20mm diameter 15 cm chain
Order Code: LLCR

Square Chain
20mm diameter 15 cm chain
Order Code: LLCS

AP and PA available. Can be customised to include up to 3 extra characters.

Order Codes:
AP marker: CLA1
PA marker: CLP1

1 Extra Character: CLC1
2 Extra Characters: CLC2
3 Extra Characters: CLC3
Extra Letters to be specified at the time of order.

13mm Pb letters on a 150 mm flexible strap.
Characters have a greater opacity than some other markers.

Order Codes:
Order Code: CLST

25mm square tablet
Can be customised to include up to 3 extra characters.

Order Codes:
Rt marker: LLIR
Lt marker: LLIL
Extra Char: LLIX
Extra Letters to be specified at the time of order.
6mm Lead Legend
6mm
High Density
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LC06
State desired letters/numbers whilst ordering.

13mm Lead Legend
13mm
High Density
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LC13
State desired letters/numbers whilst ordering.

25mm Lead Legend
25mm
High Density
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LC25
State desired letters/numbers whilst ordering.

25mm Lead Characters
6mm
Lead paste mounted on perspex.
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LL01
State desired letters/numbers whilst ordering.

6mm Lead Characters
6mm
Lead paste mounted on perspex.
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LLAR
State desired letters/numbers whilst ordering.

6mm Lead Characters
6mm
Lead paste mounted on perspex.
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LC06
State desired letters/numbers whilst ordering.

6mm Lead Characters
6mm
Lead paste mounted on perspex.
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LC13
State desired letters/numbers whilst ordering.

6mm Lead Characters
6mm
Lead paste mounted on perspex.
Full selection of numbers and letters available.
Packs of 10 only (any)
Order Code: LC25
State desired letters/numbers whilst ordering.

Lead arrow
6mm
Lead paste mounted on perspex.
Full selection of numbers and symbols available.
Order Code: LL01
State desired letters/numbers whilst ordering.

Lead Ruler
Meter long lead ruler.
Order Code: LLAR
State desired letters/numbers whilst ordering.

For pricing, visit www.rothband.com
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Warning Signs

Order Code: WSAA
Self adhesive
Black on yellow
30cm x 25cm

Order Code: WSAB
Self adhesive
Black on yellow
15cm x 20cm

Order Code: WSAC
Self adhesive
Red and White
20cm x 18cm

Order Code: WSE1
Illuminated Wall
Mounting
Split Box (V)
24cm x 17cm

Order Code: WSE2
Illuminated Wall
Mounting
Split Box (H)
24cm x 17cm

Order Code: WSLA1
Illuminated Wall
Mounting
Split Box (V)
24cm x 17cm

Order Code: WSLR1
Self adhesive
Rigid PVC
32cm x 40 cm
Helps conform to new controlled area regulations.

Order Code: WSLM1
Self adhesive
MRI Use
15cm x 25cm

Order Code: WSLM2
Self adhesive
MRI Use
20cm x 30cm

Order Code: WSF1
Free standing A Frame
Ideal for Mobile x-ray
Printing on both sides
60cm x 45cm
Electric 2 Section Couch.

Two section couch provides great value with strength, elegance and reliability.

**Standard Features:**
- 260kg safe working load for electric versions
- Paper roll holder fitted as standard
- Retractable rubber castors
- Adjustable foot for uneven floors
- Gas spring assisted back section
- NEW - Extra low entry height for wheel chair transfer
- NEW - World leading Linak ‘High Reliability’ actuators

**Available Options & Accessories:**
- Breathing Hole
- Extra Wide Upholstery (75 cm)
- Chrome or Painted Cot Sides
- Arm Support Tables
- Visco Elastic Pressure Relief Cushions
- Clean Edge Base Cover (electric only)
- Other standard accessories

**Order Code:** XTS32
**Hydraulic Version:** XTS34

---

Electric 3 Section Couch.

This three section couch enables advance patient positioning for a wide range of examination and treatment procedures providing optimum versatility.

**Standard Features:**
- 260kg safe working load
- Retractable rubber castors
- Paper roll holder fitted as standard
- Gas assisted back and foot section
- NEW - Extra low entry height for wheel chair transfer
- NEW - World leading Linak ‘High Reliability’ actuators

**Available Options & Accessories:**
- Breathing Hole
- Footswitch Control
- Extra Wide Upholstery (75 cm)
- Chrome or Painted Cot Sides
- Arm Support Tables
- Visco Elastic Pressure Relief Cushions

**Order Code:** XTS40
**Hydraulic Version:** XTS33
Couches

Ultrasound Couch
Gas-strut adjustable backrest & leg sections with electric twin motor operation for both height (490-940mm) & Trendelenburg tilt up to 15 degrees.

Foot-end drops to 85 degrees so suitable for TV scanning. Double thickness foam for Patient comfort.

Recommended working limit: 260kg/41 stone

Options:
- Stirrups OR Knee Troughs
- Cotsides OR Armrests (not both)
- Breathe hole
- Removable Headrest
- Towel roll holder (standard on Deluxe)
- Foot switch
- Battery back-up

Order Code: XTS41

Deluxe Ultrasound Couch
As above but with an additional electric motor controlling backrest angulation for ease of Patient positioning with minimum Operator effort / scan interruption.

Gas-strut leg section.

Towel roll holder.

Order Code: XTS41B

Tilt Table
Suitable for a range of examinations. Two motors allow easy height (490-940mm) & tilt adjustment.

Patient handles & 3 Velcro straps ensure safety & confidence.

4 large transportation castors with brakes.

Recommended working limit: 180kg/28 stone

Options
- Split leg section
- Adjustable Backrest
- Foot switch
- Battery Back-up

Order Code: XTS501
With Patient Table: XTS501P
With Foot Board: XTS501B
Gynaecological Couch

Features improved access and ergonomics for the clinician and enhanced comfort and dignity for the patient. Effortless adjustment is ensured by electric motors for height and tilt. The electric seat also enables Trendelenburg. Fully adjustable foot stirrups or knee troughs are provided as standard, as is the stainless steel tray.

**Standard Features:**
- Excellent lithotomy access and foot-room for the clinician
- Removable leg section enables couch to be used as a standard two section.
- 260kg safe working load for electric versions
- Retractable rubber castors
- Adjustable foot for uneven floors
- Stainless steel tray included
- Gas spring assisted back section
- NEW - World leading Linak ‘High Reliability’ actuators

**Available Options & Accessories:**
- Paper roll holder
- Fold down arm loops (shown)
- Detachable head rest (shown)
- Electric backrest
- Wall rack or trolley for storage of leg section

**Order Code:** XTS65

For pricing, visit www.rothband.com
## ECG Couch

Designed for Cardiac scanning using input from echo technicians.

Two cut-aways enable chest wall scanning from either left or right-hand side depending on preference.

Wide central panel allows Operator seating.

Padded support handle/post for Patient safety/confidence when lying near edge of couch.

Height is by electric adjustment (490-940mm).

Backrest & Foot section is gas-strut adjustment.

Recommended working limit: 260kg/41 stone

### Options
- Paper Towel roll holder
- Removable headrest
- Foot switch
- Battery back-up

### Description | Order Code
--- | ---
Echo Cardiography couch | XC020
Echo Cardiography couch + electric backrest | XC020B
Echo Cardiography couch + electric Trendelenburg tilt | XC020T
Echo Cardiography couch + both electric back & tilt | XC020TB
**Dual Purpose Sonography Tables**

Combination of the Ultrasound & Echo model, suitable for use where space is limited e.g. Polyclinics, GP surgery or Walk-in Clinics.

- Electric height adjustment (490-940mm)
- Optional electric Trendelenburg tilt.
- Gas-strut adjustable back & foot section.
- Removable Operator seat fits RH or LH side.
- Extra wide top.
- Removable Patient “grab” handle & safety post for Echo use - fit either side.
- Foot end drops to 90 degrees for TV scanning.

Recommended working limit: 260kg/41 stone

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual Purpose Sonography Couch</td>
<td>XC040</td>
</tr>
<tr>
<td>Dual Purpose Sonography Couch + electric Trendelenburg tilt</td>
<td>XC040T</td>
</tr>
</tbody>
</table>
Multi-purpose couch.

Designed to work in a modern practice, this plinth is suitable for numerous procedures including phlebotomy, minor surgery, gynaecology and general examination. This 4 in one couch/chair has a foot section dropping to 85° so will easily fit into the smallest room, and allow patients to sit in a chair position.

Standard Features:

- 260kg safe working load for electric versions
- Retractable rubber castors
- Phlebotomy arm x 1
- Gynaecology stirrups x 2
- Quick release plaster treatment table x 1
- MRSA resistant anti bacterial & fire retardant upholstery
- Gas spring assisted back & foot section
- NEW - Extra low entry height for wheel chair transfer
- NEW - World leading Linak ‘High Reliability’ actuators

Available Options & Accessories:

- Breathing Hole
- Paper Roll Holder
- Extra Wide Upholstery (75 cm)
- Electric backrest
- Matching Operators Stool or Saddle Stool
- Tilting Seat for Trendelenburg

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi Purpose Couch Electric</td>
<td>XTS40</td>
</tr>
<tr>
<td>Multi Purpose Couch Hydraulic</td>
<td>XTS40H</td>
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</table>

For pricing, visit www.rothband.com
## Couch Options

<table>
<thead>
<tr>
<th>Description (F/F = Factory Fitted)</th>
<th>Order Code</th>
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</thead>
<tbody>
<tr>
<td>Towelling covers. Pale Blue/Peach/Cream</td>
<td>XTS502</td>
</tr>
<tr>
<td>Paper towel roll holder (F/F only)</td>
<td>XTS505</td>
</tr>
<tr>
<td>Locking Chrome Cot Sides Padded - pair (F/F only). Cannot be used with Armrests &amp; v-v</td>
<td>XTS506</td>
</tr>
<tr>
<td>Paper towel roll 50cm wide x 40m</td>
<td>XTS511</td>
</tr>
<tr>
<td>Soft Rubber Knee Troughs (F/F only) - pair</td>
<td>XTS515</td>
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<tr>
<td>S/S Lithotomy Stirrups (F/F only) - pair</td>
<td>XTS516</td>
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<tr>
<td>“D” Pillow - removable</td>
<td>XTS517</td>
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<tr>
<td>Split-Leg section, gas-struts. (F/F only)</td>
<td>XTS520</td>
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<tr>
<td>Arm-Rest, adjustable - pair. (F/F only)</td>
<td>XTS525</td>
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<tr>
<td>Electric Backrest (F/F only) - not all models</td>
<td>XTS528</td>
</tr>
<tr>
<td>Individually braked Transportation castors in lieu of standard wheels (F/F only)</td>
<td>XTS530</td>
</tr>
<tr>
<td>Linked Foot brakes &amp; steering control with 125mm castors (F/F)</td>
<td>XTS535</td>
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<tr>
<td>Breathe hole &amp; plug (F/F only)</td>
<td>XTS540</td>
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<tr>
<td>Foot operated Switch bar - certain models only</td>
<td>XTS545</td>
</tr>
<tr>
<td>Deluxe Upholstery, Red, Dark or Light Blue</td>
<td>XTS560</td>
</tr>
<tr>
<td>Repl’ tops, motors, gas-struts, wheels etc.</td>
<td>SPARES</td>
</tr>
<tr>
<td>Rechargeable Battery Back-up (F/F only)</td>
<td>BATT</td>
</tr>
</tbody>
</table>

For pricing, visit www.rothband.com
Couches

Upholstery Choices

- Raspberry Crush
- Lilac
- Dark Green
- Dune
- Cherry Blossom
- Apple Mint
- Luxury Damson
- Luxury Beige
- Luxury Sky Blue
- Luxury Dark Blue
- Damson
- Candy
- Marigold
- Pillar Box Red
- Mulled Wine
- Citrus Green
- Black
- Brown
- Gun Metal Grey
- Mid Blue
- Ash Grey
- Sky Blue
- White

For pricing, visit www.rothband.com

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Chairs & Stools

Deluxe Operator Chair

Swing around adjustable back-rest which also doubles as an armrest, or can be used as a torso support.
Circular seat & foot-rest, Gas lift action.
Seat 410mm diam, Height 550-730mm.
5 Year warranty

Order Code: S501

Five Star Range

With lumbar support backrest and a moulded foam double curvature tiltable seat.
Longer seat gives good thigh support. Arms & fully adjustable Dix-arms are optional.
Can also be supplied with lockable foot operated hydraulic lift mechanism - see photo.
Height 460-590mm.
5 Year warranty

Order Code: S502

Stool

Circular seat, footring, GRP 5 star base.
No backrest.
Gas height adjustment.
Dims: Seat 406mm diam, Height 500-630mm
5 Year warranty

Order Code: S503
Chairs & Stools

Saddle Seat
Helps to maintain an upright posture, holding the pelvis in a neutral position. Hygienic seamless seat cover.
Height: 550-830mm. With 10 degree seat tilt.
Colours see page 41.
* £25 surcharge for Red or Blue luxury cover as per photo.

Order Code: S504

Budget Operator Stool
Black upholstered circular seat..
Chromium plated 5 star base with gas-lift action.
Dims: Seat 360mm diam, Height 510 - 710mm.

Order Code: XTS50

Budget Operator Chair
As above but with seat back.

Order Code: XTS60
Imaging Chair

Hydraulically operated by means of a foot operated lever which also locks the chair throughout its 360deg swivel. 5 swivel action lockable castors give complete manoeuverability. Backrest & arm rests can easily be removed whilst the patient is seated. Height adjustable between 500 & 660mm.

Order Code: PC15

Electric Imaging Chair

H frame allows easy doorway access. Seat rotates 360 degrees. Seat locks in 120 positions. Height adjustment 570-770mm by rechargeable battery. Lateral movement with foot operated locking. Arms & Back can be dropped down individually. 20deg Backrest incline. Footrest & neck Support now standard. Locking castors. Base size 760wide x 640mm deep.

Order Code: PC25CH
Mattresses

**Foam Mattress**
Uncovered mattress foam is CMHR 40, is normally Blue & is available from stock either 2.5 or 5.0 cm thick. Good support & pressure relief. Radiolucent, negligible attenuation & normally artefact-free. Readily absorbs fluids so a cover is recommended.

Order Codes:
- FP22 (CMHR40 - 61 x 198 x 2.5 cms)
- FP23 (CMHR40 - 61 x 198 x 5.0 cms)

**Sewn Cover Mattress**
Prolongs the life of the foam by encasing it in a sewn cover. Available as either a PV or Nylon (Full choice of colours - The same materials as the aprons.)

Order Codes:
- FP47 (FP22 with a PV or Nylon Cover)
- FP48 (FP23 with a PV or Nylon Cover)

Options:
- FPZIP - Add a Zip for easy replacement.
- FPEYE - Eyelets on an end for table fastening/storage.
- FPVEL - 50mm self adhesive velcro for simple table attachment.

**Welded Cover Mattress**
Completely sealed for infection control. Anti-bacterial & fungi coating. Conforms to BS7175 (ignition sources.) Easy to clean. Only certain colours available (please call.)

Order Codes:
- FP67 (FP22 with a PV welded cover)
- FP68 (FP23 with a PV welded cover)

Options:
- FPZIP - Add a Zip for easy replacement.
- FPEYE - Eyelets on an end for table fastening/storage.
- FPVEL - 50mm self adhesive velcro for simple table attachment.

**Polythene Overslips**
Ideal for infection control. Offers protection to your mattresses and helps prolong their life.

Order Codes: FP42 - Fits both FP22 and FP23

**White Vinyl Covers**
Ideal for infection control. Offers protection to your mattresses and helps prolong their life. Press studs makes replacement easy.

Order Codes:
- FP43 (fits FP22)
- FP44 (fits FP23)

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Mattresses

Mattress Template

We need ALL the measurements/angles illustrated on the diagram opposite if you wish to order a shaped or non-standard mattress.

Alternatively trace around the shaped areas & send this to us.

Please Include Thickness

Mattress Attenuation Figures

Measured by an Independent Physics service

<table>
<thead>
<tr>
<th>Mattress Type</th>
<th>Depth mm</th>
<th>Al @ 40kV mm</th>
<th>Al @ 60kV mm</th>
<th>Al @ 80kV mm</th>
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</thead>
<tbody>
<tr>
<td>Plain Foam</td>
<td>25</td>
<td>0.04</td>
<td>0.03</td>
<td>0.02</td>
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<tr>
<td>Plain Foam</td>
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<td>0.08</td>
<td>0.11</td>
<td>0.12</td>
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<td>Pv Sewn Cover</td>
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<tr>
<td>Sewn A/S cover</td>
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<td>0.29</td>
<td>0.35</td>
<td>0.37</td>
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<tr>
<td>Sealed Neoprene</td>
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<td>0.32</td>
<td>0.33</td>
</tr>
<tr>
<td>Sealed Neoprene</td>
<td>50</td>
<td>0.36</td>
<td>0.44</td>
<td>0.45</td>
</tr>
</tbody>
</table>

Tests carried out using a medium frequency generator
C-Arm Imaging Tables

A bespoke range of tables available with up to 5 ranges of movement.

Features
- Battery powered - fully portable and no trip risk.
- Motorised programmable working height from 70 cm to 100 cm.
- Carbon fibre X-ray transparent table with head profile: 56 cm x 160 cm.
- Wheels with electric lock.
- Additional back-up battery with wall charger.
- Weight capacity up to 250 kg.

Optional fittings
- Motorised 20 cm transversal and 40 cm longitudinal movement.
- Motorised ± 15° Trendelenburg and ± 15° transversal tilting.
- Joystick panel for precise control of tabletop movements.

Acitos CT Trolley for Trauma

For transportation and delivery of a patient from an accident and emergency environment directly to the CT scanner. The detachable tabletop allows the patient to be scanned whilst remaining in a stationary position.

Features
- Battery powered - fully portable and no trip risk.
- Detachable carbon fibre table with manual table locks: 205 cm x 56 cm.
- Motorised working height from 75 cm to 105 cm.
- 3 programmable heights.
- Outer width: 92 cm. Inner width (between arms): 70 cm.
- 15 cm wheels with central and total lock.
- Additional back-up battery with wall charger.
- Weight capacity up to 250 kg.

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Catheter Trolley 200
Rear section has 3 compartments each with 7 adjustable hooks. Front area is a worktop with full width drawer below. Below are 12 open fronted compartments on 3 levels. On castors with 2 handles each side.
Overall size:
1010w x 1600h x 750d mm
Order Code: CTR200

Catheter Trolley 210
Rear section has 4 compartments each with 7 adjustable hooks. Front area has 3 rows of hook support channels at different heights each with 7 hooks. On castors with 2 handles each side.
Overall size:
1010w x 1600h x 550d mm
Order Code: CTR210

Catheter Cupboard 220
Shelves at top & at base level. Centre section has 6 adjustable sliding hangers. Each hanger has 5 hooks. Lockable tambour shutter.
Overall size:
1000w x 2250h x 550d mm
Order Code: CTR220

Catheter Cupboard 230
Rear section has 4 compartments each with 7 adjustable hooks. Front area has 3 rows of hook support channels at different heights, each with 7 hooks. Shelf at top. Lockable tambour shutter.
Overall size:
1000w x 2250h x 550d mm
Order Code: CTR230

For pricing, visit www.rothband.com
www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Quality Assurance

Black Pirahna Multi-Function QA Meter

All-in-one multifunction X-ray meter
One-shot HVL for Mammography, Radiography, CT, and Dental
Solid-state detectors = no need to compensate for temperature & pressure
Can measure on scanning beams as well as tomosynthesis
Optimized for X-ray equipment from a large number of manufacturers
Built-in energy compensation
Can be used together with ion chambers
Wide-range detection of total filtration
100 meters Bluetooth range
Unique detector design to minimize position and rotation dependence

Please call for further information.

Order Code: PIR

Gammex 245, kV Meter

Radiographic, Fluoroscopic & Mammo use
2 methods of kVp measurements in 1 reading Average of kV peaks & effective kVp
Remote LCD with 1metre lead makes fluoroscopic readings easy
Stores up to 10 readings

Specs:
Range 22kV-200kV
Calibrated: 50-140kV or Mammo 25-35kV
Accuracy: +/-2% or 1kV or Mammo +/- (1kV+2%)
Min’ Exposure: R 25mA, 60kVp @60cm; F 3mA, 80kVp @45cm; M 80mA 24kVp @64cm
Target/Filter Mo/Mo, Mo/Rh, Mo/Al, Mo/Pd, W/Al, Rh/Rh, Ro/Al
Analogue output BNC
9volt battery, 50 x 100 x 190mm. 0.55kg

Order Code: QAG245

For pricing, visit www.rothband.com
Collimator tool is a flat radiopaquely marked sheet.

Enables the testing of the relationship between light beam field & corresponding area on a test radiograph.

Beam Alignment tool is a perspex cylinder with top & bottom radiopaque beads.

Beads should appear superimposed on test radiograph if alignment is correct.

Bubble level for accuracy.

Order Code: QA1812

Radiographic Aluminium Stepwedge

11 steps (each 3 mm high)
14 cm x 6 cm (overall size)
Homogenous high purity aluminium.

Order Code: QA117

Conventional Radiography TOR Test Tool

Can be used for digital radiography and allows the following checks to be made:

Sensitometric measurements
(10 details 5.6mm diam)

Low-contrast, large detail detectability.
(17 details, 11mm diam)

High-contrast, small detail detectability.
(17 details, 0.5mm diam)

Call for further details.

Order Code: SC.F

Fluoroscopy TOR Test Tool

Enables the following checks to be made:

Monitor brightness and contrast adjustments.

Resolution limits.

Low contrast sensitivity.

Circular geometry.

Call for further details.

Order Code: FL.18
Quality Assurance

TOR Test Tool Sets

We have a full range of test tool objects that are suitable for all digital imaging modalities.

Please see the website, or call us for more details.

Order Codes:

Standard Fluoroscopy Set: SFLS

Used for the assessment of fluoroscopy and flourography systems.
See Website for details

Digital Imaging Test Objects: DSFS

Suitable for all kinds of digital imaging including CR and DR conventional radiography QA.

Comprises of a set of four test objects (six laminar plates of 250mm diameter) and supplied complete with appropriate filtration/accessories, instruction manual and a case.

See Website for details
**Mammo Test Object**
TOR MAM contains the following features:

- 6 groups of multi-directional filaments.
- 6 groups of micro-calcification.
- 6 groups of 3, low contrast details groups.
- 6 groups of micro-calcifications (as in the above) with a clinically realistic breast tissue feature.

Should be used in combination with the appropriate volume attenuation.

Order Code: QATORMAM

---

**Mammo Test Object XL**
Similar to the TORMAM but includes the following:

- Original Faxil Spec.
- Perspex stack.
- Magnifier.
- Carry Case

Please call for further details.

Order Code: QATORMAX

---

**Breast Step Wedge**
9 steps
Homogenous high purity aluminium

Order Code: QA118

---

**Breast Compression Test Device**
The tester ensures your equipment is performing to original specification. Proper compression is essential to:

- Minimise motion.
- Reduce image radiation.
- Increase image contrast.
- Reduce radiation dose.

Order Code: QA163

---

For pricing, visit www.rothband.com
Quality Assurance

Ultrasound Biopsy Phantom

This reusable, solid gel breast phantom provides a cost effective opportunity to refine needle biopsy technique whilst building confidence & proficiency. Simulates the look & feel of a human breast. 11 test objects on 3 levels allows practice of ID, Aspiration & Biopsy procedures on 3 cysts, 4 high & 4 low contrast lesions. Solid lesions are coloured to differentiate from surrounding tissue giving immediate Biopsy feedback. 12.7cm diam x 7.6h, 620gm.

Order Code: QA 429

Precision Multi--Purpose Greyscale Phantom

Axial & lateral resolution targets at depths of 3, 8 & 14 cm for precise resolution measurements of any ultrasound system. Anechoic cysts of 2, 4 & 6 mm diameter. -6 dB & +6 dB & high scatter grey scale targets. Convertible water dam for good gel or water coupled scanning. Integral cover to protect scanning surface. Durable ergonomic design for ease of handling. Available in 0.5 & 0.7 dB/cm/MHz attenuation (same price). Optional foam carrying case.

Order Code: QA403GSLE

For pricing, visit www.rothband.com
Precision Small Parts Greyscale Phantom

Advanced technology for measuring image quality of small parts & intra-cavity scanners. Also measures Contrast, Temporal resolution & System linearity. Closely spaced pin targets ideal for testing a range of high frequency transducers. Resolution patterns & all vertical or horizontal targets are made of 0.1mm nylon fibres for better detail definition & special resolution. Axial & lateral resolution targets at depths of 1, 3.5 & 6cm for precise resolution measurements of any ultrasound system. Low scatter cysts of 1, 2, 4 & 7mm diameter to evaluate system noise & distortion. 7mm greyscale targets of –6 & +6dB & high scatter relative to background material. Convertible water dam for good gel or water coupled scanning. Integral cover to protect scanning surface. Durable ergonomic design for ease of handling. Available in 0.5 & 0.7 dB/cm/MHz attenuation (same price). Optional foam carrying case. Ideal for testing Mammo ultrasound systems.

Order Code: QA404GSLE

Precision Resolution Greyscale Phantom

Ideal for evaluations of axial resolution, lateral resolution, dead zone cyst imaging, vertical & horizontal distance accuracy & image uniformity. Also contains triangular grey scale targets which test the resolution of today’s high-performance ultrasound scanners. Unique to the 405GSX LE are two horizontal cross fibres located in the middle of the phantom. These fibres help the user align the transducer & can be used as a reference “marker” to ensure that QA tests are consistently performed on the same scan slice. When both fibres are illuminated, the user can be certain the transducer is exactly perpendicular to the scanning surface. Anechoic cysts 2.4 & 6mm at 3, 8 & 14cm depth. Greyscale targets 9.5x9.5x10.9mm at a depth of 4cm. Contrast -6 & +6dB & high scatter relative to background. Pin targets 0.1mm diam’.

Order Code: QA405GSX

For pricing, visit www.rothband.com
Alderson Phantoms

Matching of skeletal & soft tissues enables external & bony landmarks to coincide. Position of bones within the soft tissue is anatomically correct. Bone sutures are reproduced. Rugged, easy to transport & shatter-proof.

The Sectional Phantoms listed represent an average male 175cm tall & 75kg weight.

<table>
<thead>
<tr>
<th>Description</th>
<th>Opaque</th>
<th>Transparent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skull inc’l Cervical Spine</td>
<td>RS108</td>
<td>RS108T</td>
</tr>
<tr>
<td>Skull w/out Cervical Spine</td>
<td>RS109</td>
<td>RS109T</td>
</tr>
<tr>
<td>Thorax</td>
<td>RS111</td>
<td>RS111T</td>
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<tr>
<td>Pelvis</td>
<td>RS113</td>
<td>RS113T</td>
</tr>
<tr>
<td>Hand/Wrist Normal</td>
<td>RS114</td>
<td>RS114T</td>
</tr>
<tr>
<td>Hand/Wrist Oblique</td>
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<td>Foot/Ankle Normal</td>
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<td>Knee 90° Flexion</td>
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<tr>
<td>Elbow 90° Flexion</td>
<td>RS121</td>
<td>RS121T</td>
</tr>
<tr>
<td>Arm &amp; Shoulder Right only</td>
<td>RS122</td>
<td>RS122T</td>
</tr>
<tr>
<td>Leg &amp; Hip Right only</td>
<td>RS123</td>
<td>RS123T</td>
</tr>
</tbody>
</table>
PIXY Alderson Full Body

Meet “Pixy” a 1.56m/48kg female anthropomorphic phantom with full articulation suitable for most radiographic positioning.
Contains:
Abdominal & pelvic organs
Stomach
Gall bladder
Bladder
Kidneys
Rectum & sigmoid flexure

Air filled but will accept water or contrast media.
Lungs are moulded from tissue equivalent foam but animal ones are available.
Pixy is ideal for training staff on new equipment.
Radiographs are optically equivalent in density & contrast to humans.
Also available in Opaque form & with custom fractures/pathologies.

Order code: PIXY
Radiation Therapy Phantom

These phantoms are indispensable quality-assurance tools; about 10,000 are in use all over the world. They provide integrated tests of the entire chain of treatment planning & delivery. Moulded from tissue-equivalent material. Skelton is natural bone attenuation co-efficient. The ART phantom is divided horizontally into 2.5 cm thick slices, 35 for the male & 32 for the female. Each slice has holes which are plugged with bone-equivalent, soft-tissue-equivalent or lung tissue equivalent pins which can be replaced by TLD holder pins - The holder pins can be ordered separately. ART phantom slices are held between aluminium plates by nylon tie rods.

Female Breast attachments also available in different sizes. External assembly facilitates film dosimetry. Internal assembly is used generally with TLDs or Ion chamber dosimetry.

Available Undrilled, or with 1.5 x 1.5 or 3.0 x 3.0cm grid hole spacing. Available as either the Whole (as shown), or just the sections representing Head & Neck, Chest or Pelvis.

Order code: ART
CT Abdomen Phantom

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.

Order code: KYPH5
Phantoms

CT Lungman Phantom

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.

For pricing, visit www.rothband.com
CT Lungman Phantom ctd

Set Includes:
1 male chest torso main body: synthetic bones are embedded
4 separable internal parts: Mediastinum: Heart, Tracheal pulmonary vessels (right & left) & Abdomen (diaphragm) block
30 simulated tumours (15 variations, 2 pieces each)
3 varieties of Hounsfield number: approx -800, -630, +100
5 sizes for each type: diameters 3, 5, 8, 10, 12 mm
Size: 43 x 40 x 48H cm, chest girth 94 cm

Carry Case
Weight approx 18 kg

Options:
41337-020 Lungs of urethane
41337-030 Liver RI container
41337-040 Gallbladder RI container
41337-050 Pulmonary nodule RI container
41337-060 Mediastinum with left myocardium RI container
41337-070 Simulated tumours
41337-010 Chest Plates (to simulate a larger patient).

Order code: KYPH1

For pricing, visit www.rothband.com
**CT Torso Phantom**

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.

- Synthetic bones with cartilage: artificial skull, vertebra, clavicles, ribs, sternum, scapula, pelvic bones, femurs
- Brain with cerebral ventricles
- Eye balls
- Lungs with pulmonary vessels
- Trachea (up to 4th bifurcation)
- Liver with portal & hepatic veins
- Kidneys
- Gallbladder
- Pancreas
- Spleen
- Aorta
- Cava
- Ureter
- Urinary bladder
- Prostate
- Rectum
- Sigmoid colon
- Ascites
- 1 set of sample X-ray films
- Approx 100cm tall & 45Kg

Order code: KYPH4

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For pricing, visit [www.rothband.com](http://www.rothband.com)
CT Prostate Phantom

Phantom includes:

- Prostate
- Urinary bladder with simulated internal fluid
- Seminal vesicles
- Rectum
- Bones: L4, L5, pelvis & partial femurs
- HU numbers at 80KeV
- Prostate: 50
- Seminal vesicles: 50
- Urinary bladder: surface 30, internal fluid 0
- Rectum: surface 70,
- Simulated cavity -800 (urethane foam)
- Soft tissue 40
- Approx 35cm tall & 12Kg

Order code: KYPH7

For pricing, visit www.rothband.com
Phantoms

CT Head Phantom

The head phantom is designed for image evaluation in CT angiography scanning & can be used as an educational tool for medical image interpretation.

The phantom includes:
- Synthetic skull.
- Cervical vertebrae (C1-C7).
- Brain & arteries, along with arteries with contrast medium embedded in the left half of the head.
- The anterior cerebral artery & middle cerebral artery are 3-D disposed.
- Diameters of simulated arteries range from approx. 0.5 to 4.0 mm.

Soft tissue Hounsfield 0, Eye balls HU20, Cerebrum, Mesencephalon, Cerebellum, Cerebral ventricles all H40.

Order code: KYPH6
CT 3-D Digital Image Phantom

Digital image evaluation phantom applicable to 3D imaging such as cone beam CT with FPD, Tomo synthesis. Angiographic image & low contrast resolution can be evaluated on axial, coronal, sagittal & oblique sections as well as 3D DSA & CT.

Set includes:
3D Sphere Phantom, Polyurethane, 20 cm diam
3D Column Phantom, Acrylic, 22 diam. x 22h cm
3D Angio Phantom, Acrylic, 10 x 10 x 10 cm. Simulated vessels enclosing resin containing iodine with 4-step density are placed at 4 sites. Vessel Diam: 0.4, 0.6, 0.8, 1.0, 1.6, 1.8, 2.0 & 3.0 mm. Density of iodine: approx. 5, 10, 20 & 50 mg/l/ml
R3D Low Contrast Phantom, Polyurethane, 10 x 10 x 10 cm. Low contrast spherical targets with 5 sizes & 3 step HU numbers are placed in the cube. Targets’ sizes: 2.0, 3.0, 5.0, 7.0 & 10mm diam. Targets’ HU numbers: approx. 10, 20 & 50.

Order code: KYPH4S

Sphere phantom holds 3D Angio or 3D Low Contrast phantom. This is then placed into the water filled column phantom & sealed.

For pricing, visit www.rothband.com
Phantoms

CT Whole Body Phantom

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. No metal parts or liquid structures are used.

Similar in concept to Pixy but with a greater number of & more detailed internal organs, more realistic articulation, dismantles easily into 10 parts for easier transportation (or for use in more than 1 location...) & no latex coverings!

Elbows:
bend up to approx. 90 degrees.

Shoulders:
rotate through a full 360 degrees in the sagittal plane, approx. 180 degrees to the side.

Hip joints:
rotate forward up to approx. 90 degrees, then abduct up to 45 degrees each.

Knees:
bend up to approx’ 90 degrees.

Order code: KYPH2B

For pricing, visit www.rothband.com
CT Whole Body Phantom Ctd

Comprises:
- Synthetic skull
- Cervical vertebrae
- Brain
- Cerebrum
- Mesencephalon
- Cerebellum
- Cerebral ventricles
- Eye balls
- Arteries with contrast medium (LH only)
- Vertebrae
- Clavicles
- Ribs
- Sternum
- Scapula
- Pelvic bones
- Femurs
- Lungs with pulmonary vessels

- Trachea (up to 4th bifurcation)
- Liver with portal & hepatic veins
- Kidneys
- Gallbladder
- Spleen
- Aorta
- Cava
- Ureter
- Urinary bladder
- Prostate
- Rectum
- Sigmoid Colon

For pricing, visit www.rothband.com
Phantoms

Ultrasound Abdominal Phantom (ABDFAN)

Unique hi-fidelity phantom for training, or for demonstrations by experts, using any ultrasound device with a convex probe.
Detailed hepatobiliary, pancreatic & other abdominal anatomy meets most training requirements.

Eight Couinaud’s hepatic segments can be localized.
Four types of simulated lesions including biliary stones & cysts, solid tumours (hypoechoic & hyperechoic target appearance) in the liver, pancreas, spleen & kidneys.
Near real-size organs, structures & abnormal lesions.
Durable long-life phantom materials.
Can be scanned from any part of its “body” surface.

Useful for:
Instrumentation & probe manipulation.
Basics of abdominal sonography - Cross sections & sonographic anatomy.
Sonographic demonstration of each individual organ.
Localization of hepatic Couinaud’s segments.
Lesion detection training.

Contains:
Liver (segmental anatomy, portal & hepatic venous systems, ligamentum teres & ligamentum venosum.)
Biliary tract (gallbladder, cystic duct, intrahepatic & extrahepatic bile ducts.)
Pancreas (pancreatic duct).
Spleen.
Kidneys.
Detailed vascular structures (aorta, vena cava, celiac artery & its branches, Portal vein & its branches, superior mesenteric vessels, renal vessels, etc.)

Order code: KYUS1B
US Haemorrhagic Phantom (FASTFAN)

This phantom has been developed to provide simulated training in FAST (Focused Assessment with Sonography for Trauma); an ultrasound examination directed at identifying the presence of free intra-peritoneal or pericardial fluid in trauma patients.

This allows the detection of the possible cause of shocks such as:
- Mass haemothorax
- Intra-peritoneal haemorrhage
- or Cardiac tamponade

Size: approx. 40 x 80 x 31 cm
Weight: approx. 35 kg

Order code: KYUS5

US Breast Phantom

A unique phantom for training in basic breast ultrasound examination.

Simulated targets with different echogenicities & elasticities are embedded in the phantom mammary gland.

The targets can be examined with ultrasound elastography as well as basic breast sonography

Order code: KYUS8

For pricing, visit www.rothband.com
Phantoms

Neonatal Chest Phantom

Designed for routine QA monitoring of both CR & DR systems.

Addresses recognized concerns by both IPEM & AAPM over both patient exposure and image quality. Replicates both the anatomic structure & tissue attenuation characteristics of a real (1-2kg) neonate.

Contains clinically relevant image quality challenges for resolution & noise in the form of:

a) a lung with simulated pneumothorax with pleural thickening.
b) a lung with simulated hyaline membrane disease.

Regular use eliminates “Dose Creep” which due to the automatic scaling used in digital systems often goes un-noticed.

Ensures lowest possible exposure whilst maintaining diagnostic image quality.

Order code: QA610
KIP Injection Phantom

For training staff in needle placement under fluoroscopy
Gel covered skeleton in a latex “skin”
Ideal for Caudals, Epidurals, selective Nerve, Root & Sympathetic blocks, Facet injections & more
Placement sites are the Spine, Shoulder, Hip & Symphysis pubis
Repeated use without skin or gel degradation

Order code: KIP

Mammo Phantom

For training staff in positioning & compression techniques.
Mounted on a height & angle adjustable mobile stand so positioning for medio-lateral oblique view is easily achieved.
Indicator box shows when ideal 5cm thickness reached with a Red light indicating the likely “Ouch” point.
Realistic Mammo’ images with high contrast.

Order code: USMAM
DICOM Mars - Encrypted CD/DVD creation

MARS is an automated DICOM CD/DVD production system that can produce printed, DICOM encrypted & password protected CD’s/DVD’s in one simple step.
Encryption to AES 256 level with randomly generated Passwords
CD/DVD creator & colour ink-jet printer
Discs produced with built-in DICOM viewer which will run on a Windows™ based PC
Choice of labels &/or Hospital/Trust customisation for media
Ideally suited for a daily production of up to 50 CDs & archiving onto DVD
Web Interface option allows for remote request for disc production
Receives images from multiple imaging modalities
Supports all image types (MRI, Scanner, etc.)
Input disc capacity of 25 or 50 CDs/DVDs

Order code: MARS21D

DICOM MARS Consumables

Order codes:
EPSON Printer Ink Cartridge Cyan: EPJIC1
EPSON Printer Ink Cartridge Light Cyan: EPJIC2
EPSON Printer Ink Cartridge Light Magenta: EPJIC3
EPSON Printer Ink Cartridge Magenta: EPJIC4
EPSON Printer Ink Cartridge Yellow: EPJIC5
EPSON Printer Ink Cartridge Black: EPJIC6

For pricing, visit www.rothband.com
www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Watershield CD80
The only ones recommended for use with Mars DICOM Robots. Special grade CD for medical use. 52x speed, CD-R record only. Printable top surface, instant dry with a glossy finish. Water resistant, smudge-proof & scratch resistant surface. Manufactured for guaranteed performance. CDs have an archival life of 100 years.
Order code: CD80

Recordable CD100
As CD80, but the surface is not guaranteed water resistant, smudge-proof & scratch resistant surface.
Order code: CD100

Recordable DVD100
The only DVD’s recommended for use with the DICOM MARS robots. Special grade for medical use. 16X Speed DVD-R Only. Printable top surface, instant dry with a glossy finish. Archival life of 50 years.
Order code: DVD100

Jewel Cases
Jewel cases. Suitable for CD/DVD
Per 100
Order code: CDJC

Plastic Sleeves
Soft plastic protective sleeve. Suitable for CD/DVD
Per 100
Order code: CDPW

For pricing, visit www.rothband.com
www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Keyboards

Silver Seal Anti Microbial Keyboard

The Seal Shield keyboard starts with patent pending electronic IP68 waterproofing technology. Electronic components are sealed in a watertight housing safely tucked into this award-winning keyboard solution.

Enjoy True Type typing comfort from the latest Seal Shield keyboard with full-travel IBM-style keys which are laser etched to prevent fading from frequent washings or even cleaning with mild abrasives. The Seal Shield keyboard features Silver Seal technology for antimicrobial product protection, a Gold-plated USB connector and the exclusive Seal Cap protects the cable connector when the keyboard is being washed.

A USB extension cable is included to enable easy disconnection for cleaning.

Order code:  SSKEY1W (White as shown)
SSKEY1B (Black)

Clean Wipe IP68

The Clean Wipe IP68 keyboard in UK layout is a high quality waterproof, antimicrobial, scissor key keyboard with a small size (345mm x 115mm) but still includes a keypad and all 12 F keys.

The keyboard comes with a removable silicon cover allowing the keyboard to be quickly wiped clean, and a removable cable making the keyboard easier to clean in a dishwasher.

Order code:  CWKEY1W

Silver Storm Washable Mouse

The SILVER STORM washable mouse has been developed to help prevent the spread of infections, including MRSA and C. Diff.

The SILVER STORM rechargeable mouse is 100% waterproof and can even be disinfected with bleach.

As an added safeguard, it includes antimicrobial product protection. The combination of waterproof technology and antimicrobial product protection achieves the highest level of protection available today.

Order code:  SSMS1W (White)
SSMS1B (Black)

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Clean Keys Wireless CK3-15

CK3-15 includes a first of its kind; an integrated touchpad, that also doubles as a numeric keypad. The user has the function of a full size numeric keypad, as well as full mouse control with a touchpad, while keeping the keyboard footprint as compact as possible. In addition to the above features, there is also scroll functionality on the outer edge of the touchpad. All of this adds up to a full function, multi use keyboard device. No need to also have a mouse in your already compact space.

Self Monitoring
CK3-15 comes with CleanSweep Software for monitoring the cleanliness of the keyboard. You set the policy for regular cleaning, and then CleanSweep enforces that policy. It will let you know when to clean, and also how well the keyboard has been cleaned.

Corning Gorilla Glass 2
CK3-15 incorporates a Corning Gorilla Glass top. Gorilla Glass is a tough, scratch resistant glass designed to withstand the daily wear and tear inflicted upon the keyboard. It is thinner than regular glass, enabling a slimmer and sleeker design with greater touch sensitivity. It is now on the world’s coolest keyboard.

Order code:  CWKEY2W

Sterile Mouse

The SterileMouse Optical is a fully sealed, optical, IP68 rated, 3 button silicon overmold mouse with electronic scroll wheel function that is impregnated with Antibacterial Nano silver Ag technology, easy to disinfect to reduce the spread of germs.

Easy fast wipe clean surface. Can be cleaned with antibacterial and alcohol based agents or Chlor-clean

Order code:  SMIW

Steritouch Keyboard Covers

MRSA and E Coli resistant.
Easy to fit and remove.
Please provide make and model number when ordering.

Order code:  STKB

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830324 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
MRI Trolley

MRI Patient Trolley - Basic

- Constructed from non-ferrous materials with minimal magnetic flux.
- Safe to 8 Tesla.
- Fixed Height.
- Adjustable backrest (2 ratchets).
- Twin hook IV pole & storage.
- Twin rail safety sides to 140mm above mattress.
- Anti-static 50mm pad with retaining hooks.
- Corner buffer rails/handle.
- 4 Braked Anti-Static 125mm wheels.
- 280 kgs advised, 300 max weight limit.
- 2120l x 690w x 840h mm

Order Code: MRI101

MRI Patient Trolley - Basic Plus

- As the basic model, but with full length trendelenberg tilt.
- Fitted with spirit level for quick visual level.

Order Code: MRI111

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
MRI Patient Trolley - Deluxe

- Constructed from non-ferrous materials with minimal magnetic flux.
- Safe to 8 Tesla.
- Height adjustable 600-1000mm
- Hydraulically operated.
- Adjustable backrest (2 ratchets)
- Twin hook IV pole & storage.
- Twin rail safety sides to 140mm above mattress.
- Anti-static 50mm pad with retaining hooks
- Corner buffer rails/handle.
- 4 Braked Anti-Static wheels.
- Underframe tray.
- 280 kgs advised, 300 max weight limit
- 2120l x 690w x 600-1000h mm

Order Code: MRI121

MRI Patient Trolley - Deluxe Plus

As the deluxe but with:

- Trendelenberg tilting top.
- Reverse Trendelenberg tilt to: –12 / +8 degrees.
- Fitted with spirit level for quick visual level.
- Gas-strut assisted backrest.

Order Code: MRI122

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
MRI Wheelchairs

MRI Porter Chair

- Constructed from non-ferrous materials with minimal magnetic flux.
- Vinyl upholstery.
- Hinged footrest.
- Hinged padded arms.
- Anti-static 125mm wheels, all braked.

985l x 750w x 985h mm

Order Code: MRI107

MRI Wheelchair Standard

- 46cm/18” wide, 113kg/250lb capacity.
- Flip-up footplates with heel straps.
- Stainless steel I.V. pole & E cylinder holder are standard.
- 20cm front castors & lightweight 60cm wheels with quality wheel-bearings.
- Durable, lightweight 18 gauge, 304 grade stainless steel frame.
- Retractable wheel locks.
- Quick release safety belt.
- Burgundy nylon upholstery with “MR” printed on Storage pocket at rear.
- Detachable, elevating footrests are Optional extras.

Order Code: MRI112

MRI Wheelchair Large

As MRI112 but:

- 55cm/22” wide.
- 158kg/350lb capacity.

Order Code: MRI113

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
MRI Wheelchairs

MRI Bariatric Wheelchair
As MRI113 but 249kg/550lb capacity
66cm/26" wide seat.
Dual underseat crossbraces & solid seat.
60cm composite Magnesium alloy wheels.
Heavy duty upholstery.
Removable arms.
Detachable Footplates.

Order Code: MRI114

Easy Roller - MRI Wheelchair
Ultimate MRI Wheel Chair
Completely made of plastic and glass to future proof against more powerful magnets.
Unique design means cannot be accidentillay mistaken for a non MRI chair.
Extremely easy to manouvre.
Easy to wash down completely, making it great for infection control.

Order Code: ER100

For pricing, visit www.rothband.com
www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
MRI Fire Extinguisher
Fully non-magnetic 2kg CO2
Order Code: MRI108

MRI Drip Stand
2 hooks.
5 star base
1300-2400h x 570wmm diameter
Order Code: MRI103

MRI Soiled Linen Holder
For bags with 1500mm circumference
450w x 450d x 750h mm
Order Code: MRI109

MRI Instrument Trolley
Fitted with removable lipped shelves.
Anti-static 75mm wheels
455w x 455d x 890h mm
(Shown with optional drawer £110 & guard rails £50)
Order Code: MRI104

MRI Drawer Set
Manufactured from aluminium with plastic drawers and a 2mm aluminium top. Trolleys are fitted with four 52mm swivel castors, two of which are braked. Standard units are available with 6 drawers
Bespoke utility trolleys can be manufactured to any height with the option of drawer depths (75mm, 150mm, 225mm and 300mm)
450w x 450d x 900h mm
Order Code: MRI109

For pricing, visit www.rothband.com
www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
Prism Glasses

These reversible Prism Glasses are specifically designed for the MRI patient and has the advantage of being adjustable to either feet or head view direction.

Features include:
- Adjustable viewing direction up or down.
- MR safe to 7 Tesla.

Order Code: MRI118

MRI Stool

Screw thread height adjustment 450-680mm.
- Foot ring.
- Anti-static castors.
- 50mm upholstered pad.

Order Code: MRI105

MRI Couch Step

260kg capacity
- 330h x 300 - 420 mm diam

Order Code: MRI116

MRI Budget Plastic Bin

Flip top
- Colour and Style may vary.
- 40L Capacity.

Order Code: MRI119

MRI Couch Step

MRI Cleaning Wand

Non-magnetic cleaning wand for MR, CT & PET scanner bores.
Disposable “no-touch” cleaning pads sold in packs of 100 (MRI145) suitable for all types of disinfectant fluids.
Ensures surfaces are easily cleaned.
Easy pad ejection minimising chance of hand contact with soiled surface.
Approx 90cm length, 170gm weight

Order Codes:
- MRI140
- MRI145 - Pack of 100 disposable foam pads

MRI Warning Signs

For pricing, visit www.rothband.com

www.rothband.com - Tel: + 44 (0) 1706 830086 - Fax: + 44 (0) 1706 830324 - sales@rothband.com
### Ultrasound Gel

Alphalube: clear, water-based ultrasound gel, general use.

**Order Codes:**

- **ULT-61** - 500mm bottle
- **ULT-62** - 5 litre container (pump not included)
- **ULT-63** - Dispensing pump

### Heated Lotion Cabinet

- 20 x 75ml bottle capacity.
- Thermostatically controlled.
- 1 shelf.
- Door open recovery typically 2-3 mins.
- 570h x 422d x 415w (mm), 20kg

**OPTION** - Electronic temperature display

Other sizes, S/S finish & door vision panels are available.

**Order Code:** HCL06

### Ward Screen

- Choice of white, blue or green PVC curtains.
- 4 panels.
- Size: 175h by 60w cm per panel.
- Spare curtains available.

**Order Code:** XTS18

### Wrist Support

- Simple neoprene wrap fits most sizes.
- Provides warmth & gives lightweight support to help prevent RSI.
- Left or Right Hand.

**Order Codes:** NWSP

### Cable Support

- One size neoprene, velcro fastening.
- Supports transducer cable putting less strain on the technician’s wrist.
- May help in prevention of RSI.

**Order Codes:** NWBR

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For pricing, visit [www.rothband.com](http://www.rothband.com)
TV Pads
Designed specifically for TV work.
Order Code: FP62Z

Saddle Seat
Helps to maintain an upright posture, holding the pelvis in a neutral position.
Hygienic seamless seat cover.
Height: 550-830mm. With 10 degree seat tilt.
See Furniture section for further details / options
Order Code: 5504

Ultrasound Couch
Gas-strut adjustable backrest & leg sections with electric twin motor operation for both height (490-940mm) & Trendelenburg tilt up to 15 degrees.
Foot-end drops to 85 degrees so suitable for TV scanning. Double thickness foam for Patient comfort.
Recommended working limit: 260kg/41 stone
Order Code: XTS41
See couches section for further details

MD220 Airlifter
Air powered patient lifter. Ideal for lifting patients to a managable height when imaging the lower limb
Order Code: MD220 MD220SR

For pricing, visit www.rothband.com
www.rothband.com - Tel: +44 (0) 1706 830086 - Fax: +44 (0) 1706 830324 - sales@rothband.com
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 terms set out herein and shall not be varied or excluded by any legal conditions and conditions sought to be imposed by the Customer, by order or by acceptance of an offer to supply 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 any time 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 whatsoever form 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 per item 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 offers to buy either in writing or by the process of the ordering.

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 because 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 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 in advance of the delivery date.
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 delivery of any instalment shall not entitle the Customer to repudiate the contract as regards the balance thereof.

10. Passing Of Title
a) 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 title shall hold the Goods as bailie 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 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 Company 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 be free from defects in material and workmanship for such period as is specified in any written quotation or (in the absence of any such written specifications applicable to the Goods) the Company warrants that the Goods shall be in good working order and condition for a period of twelve months from the date of delivery or (if the Goods are to be installed at a particular location) from the date of installation.
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 Company attending to the Goods at the Customer's expense;
   iii) the Goods being returned to the place of delivery;
   iv) the Customer giving the Company reasonable access to the Goods for the purpose of ascertaining the extent of the defect;

b) If the Goods are defective or do not meet the specification:
   i) the Company shall, at its option, repair or replace the Goods or any part thereof or refund the price of the Goods;
   ii) the Company shall not be responsible for any inconvenience, loss or damage to the Customer howsoever arising which may be suffered by the Customer.

c) The Company’s liability hereunder will be limited to:
   i) repair or replacement of the defect Goods;
   ii) the repayment of the price paid for the Goods;
   iii) the repair or replacement of the defective Goods;
   iv) the repayment of the price paid for the defective Goods;
   v) any other loss or damage howsoever arising which may be suffered by the Customer.

d) 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 Company attending to the Goods at the Customer's expense;
   iii) the Goods being returned to the place of delivery;
   iv) the Customer giving the Company reasonable access to the Goods for the purpose of ascertaining the extent of the defect;

13. Limitation of Liability
a) The Company shall have no liability or responsibility for any loss or damage to the Customer howsoever arising which may be suffered by the Customer.

b) The Company’s liability hereunder will be limited to:
   i) the repayment of the price paid for the Goods;
   ii) the repair or replacement of the defective Goods;
   iii) the repayment of the price paid for the defective Goods;
   iv) the repair or replacement of the defective Goods;
   v) any other loss or damage howsoever arising which may be suffered by the Customer.

The foregoing warranty and limitations of liability do not apply in respect of any personal injury or death suffered by the Customer, that liability shall in no event exceed the purchase price of the Goods.

Terms and Conditions
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 enactment’s 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 raw 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 unsaleable condition will be paid for in full by the Customer. Goods should not be returned without the prior agreement of the Company.

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 unsaleable 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, proceedings, costs, claims and such demands arising therefrom to the extent that such instructions lead to such infringements.

18. Government Charges

The Company 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 costs 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 I Liquidation

If the Customer being an individual (or, where 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 has been 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

WSR Medical Solutions Ltd., 4-6 Knowsley Rd, Haslingden, Lancs. BB4 4RX, U.K.
Tel: +44 (0) 1706 830086 Fax: +44 (0) 1706 830324 Email: sales@rotthand.co.uk
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