



Lead Lined Containers and Furniture

for Storage and Working Areas

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Bartec

EXPERIENCE & EXPERTISE

High quality, UK manufactured by Raditech Ltd and fully customisable

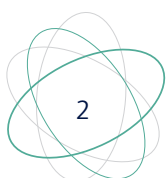
Bartec Technologies are proud to provide high quality lead lined furniture and shielding products manufactured by our UK based fabrication partners Raditech Ltd. All products are manufactured in compliance with rigorous radiation safety and engineering standards.

Although we have standard products available, our strength lies in the ability to provide custom made products that are based on customer requirements ensuring the customer buys what they need, without compromise.

No longer are you restricted to manufacturers pre-defined shapes, sizes and options. For small and large projects, the end user is able to see, discuss, tweak and approve the design prior to fabrication through the use of CAD (Computer Aided Design) technology.

With the Raditech Ltd manufacturing facility here in the UK, we can ensure easy and complete co-operation and control throughout with full project management from start to finish.

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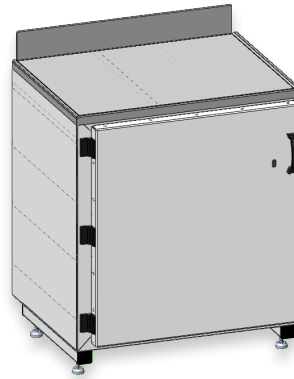


Decay Cabinet

The decay cabinet can be installed with up to 30 mm of lead and features stainless steel hinges with brass bearings that enable the heavy door to be opened with ease.

Adjustable position shelves and a heavy duty mortice lock for securing the contents. Ideally suited to decay storage of excess doses and waste.

The mobile version contains lockable castors for easy transportation.



Fully Customisable

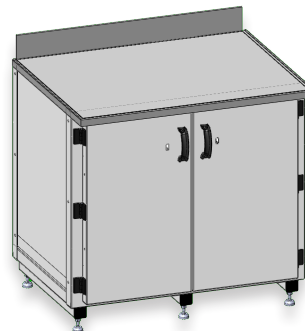
Other Options Available

Example Specifications	Standard	Tall	Mobile
Finish / Materials	Steel	Steel	Powder Coated / Mild Steel
Maximum Mass	502 kg	1145 kg	1030 kg
Internal Dimensions	662 x 540 x 686 mm	644 x 540 x 800 mm	662 x 540 x 686 mm
External Dimensions	770 x 640 x 875 mm	772 x 640 x 1000 mm	770 x 640 x 875 mm
Maximum Lead Thickness	12 mm	30 mm	30 mm

Dose Dispensing Bench

The dose dispensing bench cabinet can be installed with up to 30 mm of lead.

The bench is split into two sides with individual doors. Each side features adjustable position shelves and a heavy duty mortice lock for securing the contents. Ideally suited to decay storage of excess doses and waste.



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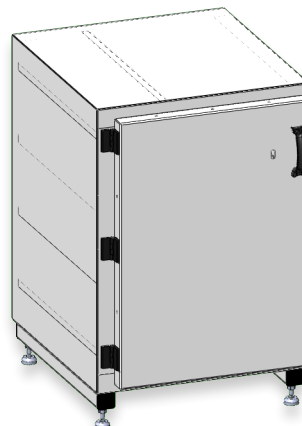
Other Options Available

Example Specifications	
Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	1214 kg
Internal Dimensions	382 x 593 x 675 mm (x 2)
External Dimensions	950 x 681 x 858 mm
Maximum Lead Thickness	30 mm

Cabinet Underbench

The cabinet normally forms part of an assembled workbench and can be used to house a shielded cabinet. The walls of the cabinet can not be loaded with lead however the door can be.

Example Specifications	
Finish / Materials	Powder Coated / Steel
Mass	128 kg
Internal Dimensions	596 x 682 x 842 mm
External Dimensions	610 x 650 x 870 mm



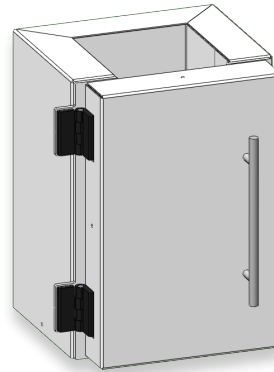
Fully Customisable

Other Options Available

Cupboard Castle

Designed to shield portable apparatus such as an incubator or centrifuge, the cupboard castle is fully welded and dressed smooth, with a powder coated finish which gives an easily cleanable surface.

The castle can be custom made to shield dose calibrators and generators.



Fully Customisable

Other Options Available

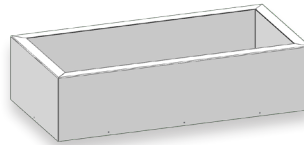
Example Specifications	
Finish / Materials	Stainless Steel
Maximum Mass	237 kg
Internal Dimensions	215 x 390 x 302 mm
External Dimensions	347 x 520 x 302 mm
Maximum Lead Thickness	50 mm

Benchtop Castles

Encapsulated

A lead castle without using unsightly chevron lead bricks.

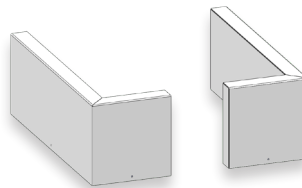
Enclosing the lead shielding makes the castle easier to decontaminate, easier to sterilise and eliminates the chance of the lead bricks toppling if knocked. This gives a more attractive, cleaner and safer workplace.



Fully Customisable

Compact

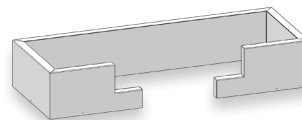
The compact castle is formed to a compact size. This is useful for areas where worktop space is at a premium and a low volume of doses are to be manipulated.



Other Options Available

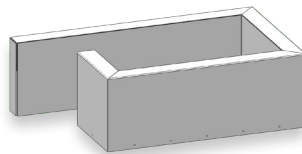
L Stand

Includes an opening for a permanent L stand to be incorporated.



Labyrinth

Includes a labyrinth entrance allowing containers to be slid or wheeled into position.



Example Specifications	Encapsulated	Compact	L Stand	Labyrinth
Finish / Materials	Powder Coated / Stainless Steel			
Maximum Mass	248 kg	117 kg	275 kg	Defined by customer specification
Internal Dimensions	910 x 410 x 250 mm			Defined by customer specification
External Dimensions	1000 x 500 x 250 mm	600 x 600 x 221 mm	1410 x 540 x 250 mm	Defined by customer specification
Maximum Lead Thickness	30 mm	30 mm	30 mm	30 mm



Custom Benchtop Screens and Shields

L Stands

SPECT

A SPECT L-stand capable of housing up to 12 mm of lead shielding.

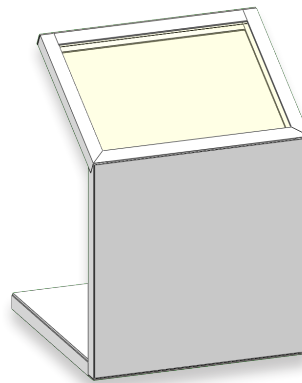
PET

A PET shielded L-stand capable of housing up to 50 mm of lead shielding. The mini version houses up to 12 mm of lead shielding.

PET Upright

Vertical shielding only version of an L-stand capable of housing up to 50 mm of lead shielding.

There is no base on the L stand and instead it is to be secured to the bench or worktop with three M12 bolts.



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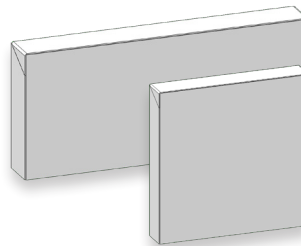
Other Options Available

Example Specifications	SPECT	PET
Finish / Materials	Powder Coated / Aluminium	Powder Coated / Stainless Steel
Maximum Mass	62.7 kg	192 kg
Dimensions	400 x 405 x 553 mm	400 x 372 x 560 mm
Maximum Lead Thickness	12 mm	50 mm

Benchtop Screen

The benchtop screen encapsulates the lead shielding providing a seamless, easily cleanable surface.

Using this screen also eliminates the risk of falling chevron bricks providing a safer workplace.



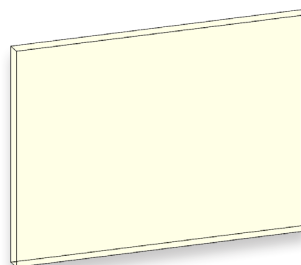
Fully Customisable

Other Options Available

Example Specifications	
Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	26 kg
Dimensions	406 x 55 x 180 mm
Maximum Lead Thickness	30 mm

Custom Sized Lead Glass

Sheet of lead glass cut to custom dimensions.



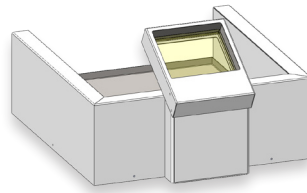
Fully Customisable

Other Options Available

Custom Assemblies and Benches

Compact Benchtop Work Area

Fitted with up to 40 mm of encased lead this workstation allows for the safe use and preparation of PET doses while taking up a small amount of worktop.



Fully Customisable

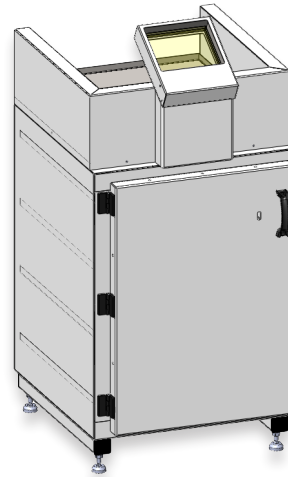
Other Options Available

Example Specifications	
Materials	Stainless Steel
Maximum Mass	170 kg
Internal Dimensions	507 x 550 x 155 mm
External Dimensions	600 x 659 x 360 mm
Maximum Lead Thickness	30 mm / 50 mm

Compact Workstation

Fitted with up to 40 mm of encased lead this workstation allows for the safe use and preparation of doses while taking up a small amount of area.

This workstation allows for appropriate shielding for manipulating either SPECT or PET doses. It also features an integral cupboard which allows for locked, secure storage.



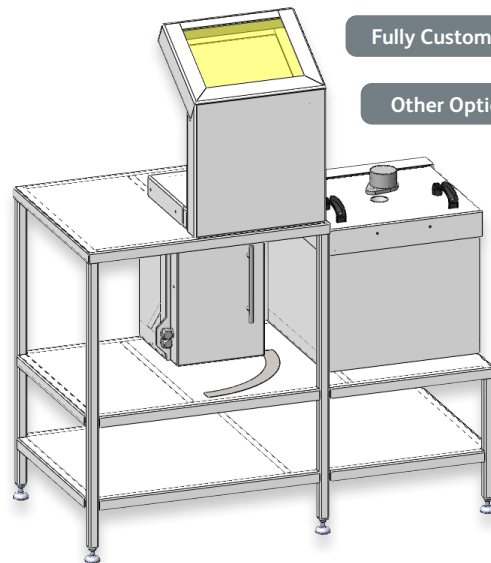
Fully Customisable

Other Options Available

Example Specifications	
Materials	Stainless Steel
Maximum Mass	350 kg
Internal Dimensions	486 x 580 x 680 mm
External Dimensions	600 x 682 x 1273 mm
Maximum Lead Thickness	6 / 30 mm

PET Bench

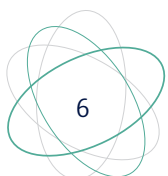
The PET bench allows for dispensing and safe shielding for PET isotopes.



Fully Customisable

Other Options Available

Example Specifications	
Materials	Stainless Steel
Maximum Mass	924 kg
Dimensions	1234 x 609 x 1492 mm
Maximum Lead Thickness	50 mm



PET Workstation

The PET workstation allows for shielded dispensing and measurement (through an added Dose Calibrator) of doses of PET isotopes and includes shielded cupboards for storage of any waste generated.

Example Specifications

Materials	Steel / Stainless Steel
Maximum Mass	1670 kg
Dimensions	1545 x 755 x 1468 mm
Maximum Lead Thickness	30 mm

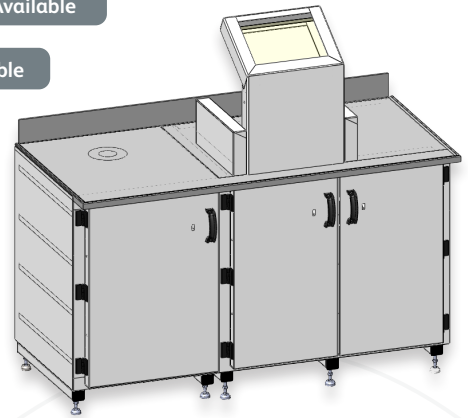
This enhanced unit also allows for shielded dispensing and measurement (through an added Dose Calibrator) of doses of PET isotopes and includes shielded cupboards for storage of any waste generated.

Example Specifications

Materials	Steel / Stainless Steel
Maximum Mass	2100 kg
Dimensions	1552 x 762 x 1504 mm
Maximum Lead Thickness	30 mm

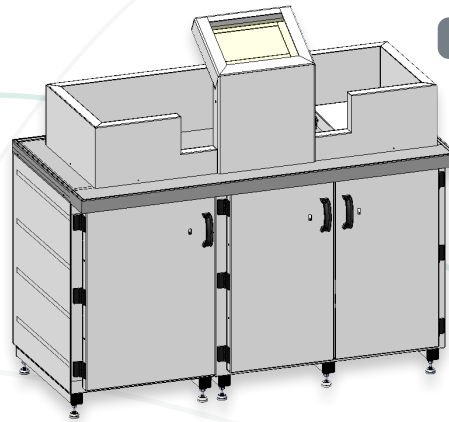
Other Options Available

Fully Customisable



Other Options Available

Fully Customisable



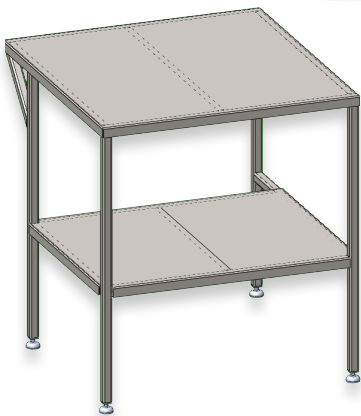


PET

This heavy duty work bench is configured to allow the inclusion of an L stand, dose calibrator and sharps enclosure while positioning each item at the appropriate position for easy use.

Reinforced Benches

Designed to be placed fully in a corner or against a wall of a laboratory, this bench features an overhanging side allowing it to pass over any pre-existing utilities on the wall.



Fully Customisable

Other Options Available

Example Specifications

Finish / Materials	Powder Coated / Stainless Steel
Mass	51 kg
External Dimensions	840 x 870 x 915 mm

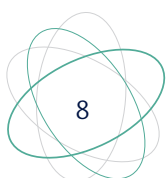
Other Options Available

Fully Customisable



Example Specifications

Finish / Materials	Powder Coated / Stainless Steel
Mass	75 kg
External Dimensions	1235 x 609 x 931 mm

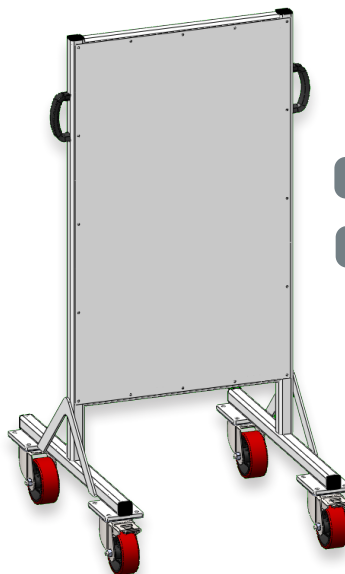


Custom Protection Screens

Lead encased in a stainless steel structure, these screens are mounted on four heavy duty castors and pull handles allowing easy positioning.

Large, Tall and to the floor configurations are available.

Example Specifications	
Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	445 kg
Dimensions	1000 x 750 x 1150 mm
Maximum Lead Thickness	30 mm



Fully Customisable

Other Options Available

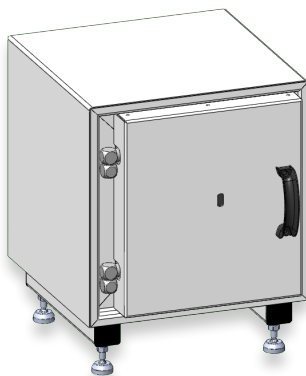
Safe

Underbench Safe

The Underbench safe can be installed with up to 30 mm of lead.

Featuring heavy duty stainless steel hinges with brass bearings the lead loaded door is able to be opened with ease. A recessed door with high security mortice lock give an increased level of security over the contents.

Ideally suited to storage of sealed sources or high volume or high activity waste.



Fully Customisable

Other Options Available

Mini Safe

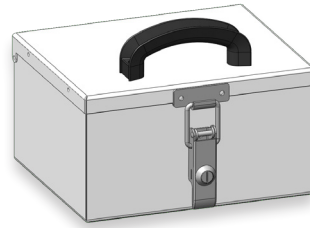
The rebated door provides a greater level of security over a conventional cabinet.

The mini safe allows for lead shielding in 5 mm increments with a maximum thickness of 50 mm. The mini safe allows for cost effective, secure storage for a low volume of goods, such as a small number of sealed sources.

Example Specifications	Underbench Safe	Mini Safe
Finish / Materials	Powder Coated / Stainless Steel	Powder Coated / Stainless Steel
Maximum Mass	770 kg	430 kg
Internal Dimensions	509 x 511 x 550 mm	306 x 335 x 306 mm
External Dimensions	773 x 622 x 883 mm	430 x 430 x 550 mm
Maximum Lead Thickness	30 mm	50 mm

Counter Storage Box

An encased lead storage box with fully welded seams, this product is fully watertight preventing any leaking contents from seeping into the structure. Features a lockable lid and handle.



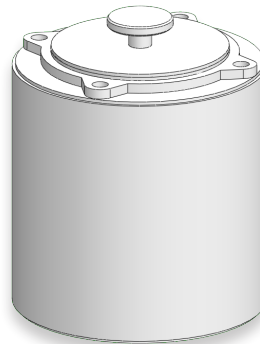
Fully Customisable

Other Options Available

Example Specifications	
Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	29.7 kg
Internal Dimensions	218 x 194 x 106 mm
External Dimensions	248 x 224 x 137 mm
Maximum Lead Thickness	12 mm

Multi-use Container

A transport container for easy and safe movement of multiple units of radioactive material, and featuring 30 mm lead shielding the Multi-use Container is well suited for higher energy isotopes such as FDG, Zr-89 or I-131.



Fully Customisable

Other Options Available

Example Specifications	
Materials	Stainless Steel
Maximum Mass	30 kg
Maximum Lead Thickness	24 mm

Vial Storage Pots

A variable thickness of lead can be installed in both the base and lid of these pots allowing for a balance between shielding and weight. The lid can be attached by a bayonet style 'topple proof' method.

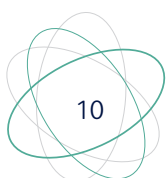
Available in 20 ml or 30 ml vial capacities.



Fully Customisable

Other Options Available

Example Specifications	20 ml	30 ml
Materials	Stainless Steel	Stainless Steel
Maximum Mass	6.4 kg	6.2 kg
Internal Dimensions	28.8 x 70 mm	34.1 x 70 mm
External Dimensions	100 x 122 mm	100 x 122 mm
Maximum Lead Thickness	23 mm	20 mm



Waste Bins

Pedal Waste Bin

A shielded bin enclosure with lead lining and pedal operated lid.

The pedal waste bin is designed to be fitted with a disposable bin bag the enclosure is self supporting on four adjustable feet. The unit allows for different thickness of lead shielding to be used from 5 mm to 30 mm. The lid is fitted with a gas piston, soft close mechanism.

Example Specifications

Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	305 kg
Internal Dimensions	220 x 220 x 615 mm
External Dimensions	360 x 309 x 811 mm
Maximum Lead Thickness	30 mm

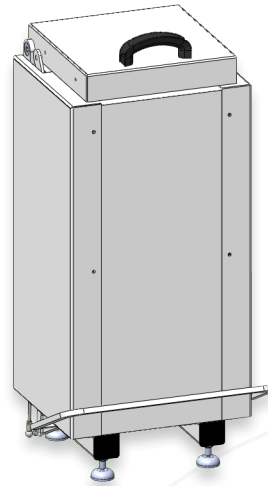
Slide Waste Bin

Designed to be fitted with a disposable bin bag the enclosure is self supporting on four adjustable feet.

The unit allows for different thickness of lead shielding to be used from 5 mm to 30 mm.

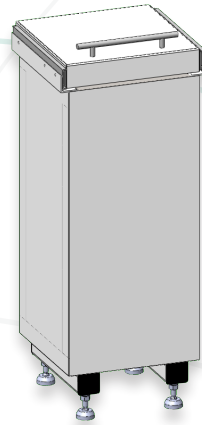
Specifications

Finish / Materials	Powder Coated / Aluminium
Maximum Mass	303 kg
Internal Dimensions	220 x 220 x 615 mm
External Dimensions	340 x 303 x 820 mm
Maximum Lead Thickness	30 mm



Fully Customisable

Other Options Available



Fully Customisable

Other Options Available



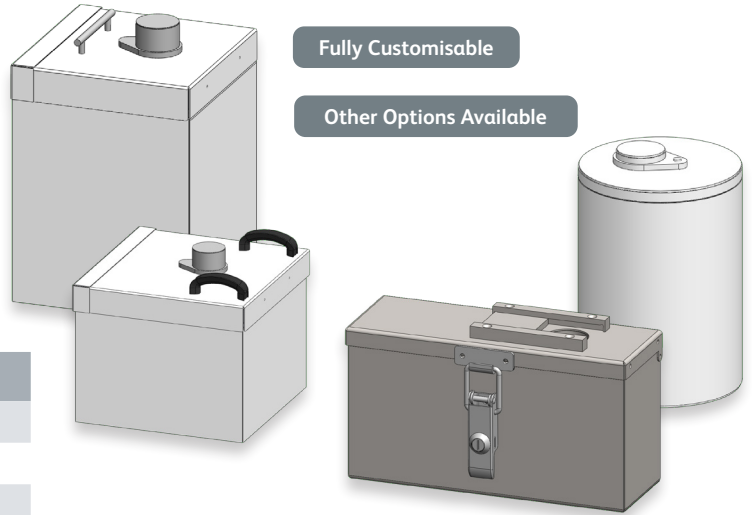
Custom Sharps and Waste

Sharps Enclosures

Designed to accept the SharpSafe and Daniels sharps bins these fully customisable enclosures offer:

- Sliding aperture shield
- Pivot lid / sliding lid
- Lockable hasp
- Swing arm

Example Specifications	5 Ltr Daniels
Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	174 kg
Internal Dimensions	207 x 207 x 285 mm
External Dimensions	334 x 333 x 436 mm
Maximum Lead Thickness	30 mm



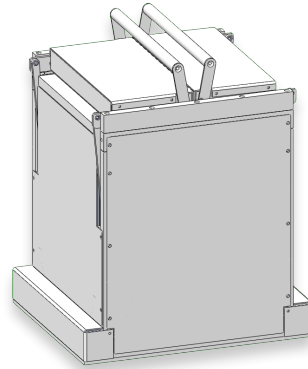
Fully Customisable

Other Options Available

Cantilever Bin

Capable of housing eight 4 ltr SharpSafe sharps bins the container allows for consolidation of waste for economic decay storage and ultimate disposal. The Cantilevered design allows 50 mm of lead on the lid to be opened with the lightest of touches.

Specifications	
Finish / Materials	Powder Coated / Aluminium
Maximum Mass	730 kg
Internal Dimensions	380 x 375 x 620 mm
External Dimensions	640 x 525 x 790 mm
Maximum Lead Thickness	50 mm



Fully Customisable

Other Options Available

Waste Bottle Container

A lead shielded container constructed from stainless steel to house a 1 ltr waste bottle.

Specifications	
Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	53 kg
Internal Dimensions	97.6 dia x 237 high mm
External Dimensions	168 dia x 308 high mm
Maximum Lead Thickness	50 mm



Fully Customisable

Other Options Available

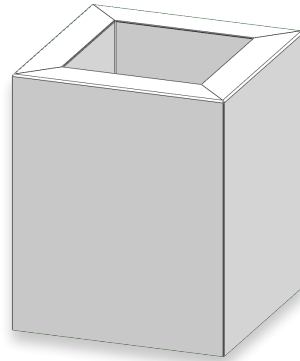


Waste Store

Featuring lead shielding on four sides, this waste store can be mounted within a secondary cabinet.

Fully Customisable

Other Options Available



Specifications

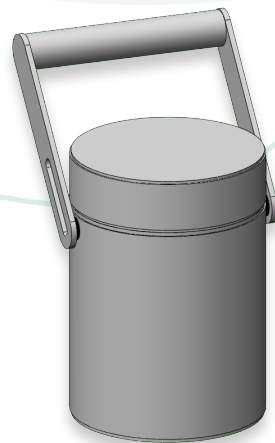
Finish / Materials	Powder Coated / Stainless Steel
Maximum Mass	137 kg
Internal Dimensions	207 x 207 x 380 mm
External Dimensions	318 x 318 x 380 mm
Maximum Lead Thickness	30 mm





Lead Flask Holder

The lead flask holder features an overlapping lid engagement which provides full lead shielding, making it ideally suited for I-131 administration.



Fully Customisable

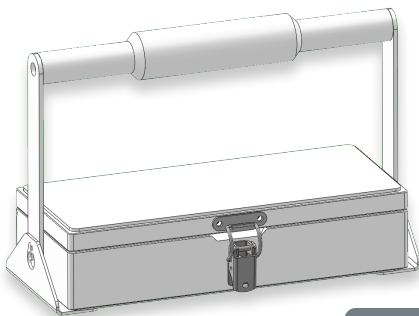
Other Options Available

Specifications	
Materials	Stainless Steel, Lead
Maximum Mass	8.4 kg
Internal Dimensions	57.3 dia. x 96 high mm
External Dimensions	101.6 x 143 mm
Maximum Lead Thickness	18.5 mm

Syringe Carrier

The centre compartment of this syringe carrier is machined from aluminium with no seams or joins, making it ideal for infection control.

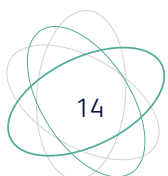
The lay flat carrying handle has an interface to the main box preventing the box from tilting when being carried. There is also a catch fitted to the lid preventing inadvertent opening.



Fully Customisable

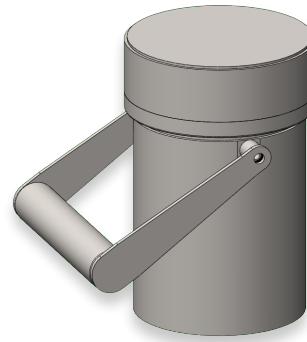
Other Options Available

Specifications	
Materials	Aluminium
Maximum Mass	8.4 kg
Internal Dimensions	206 x 70 x 34 mm
External Dimensions	257 x 101 x 60 mm
Maximum Lead Thickness	6 mm



Vial Caddy

A vial transporter for easy and safe movement of a single vial of radioactive material, this caddy features 25 mm lead shielding and is well suited for higher energy isotopes such as FDG, Zr-89 or I-131.



Fully Customisable

Other Options Available

Specifications	Standard	Tall
Materials	Stainless Steel	Stainless Steel
Maximum Mass	9.8 kg	10 kg
Internal Dimensions	35.1 dia. x 70 tall mm	35.1 dia. x 103 tall mm
External Dimensions	115 dia. x 140 tall mm	115 dia. x 140 tall mm
Maximum Lead Thickness	28 mm	26 mm

Phantom Cart

The Phantom carts with attached handles can be relocated between different laboratories while maintaining the shielding and lowering the dose received by personnel carrying out the calibration process.

The heavy weight base plate offers the ability to secure the cart to an anchor point providing security. The lid can also be secured with up to two separate padlocks through the installed hasps.

Low Mass

A large low mass cart which features a full extension sliding lid which allows shielding to be placed on all four sides and the lid.

The aluminium construction and low lead thickness results in a low mass phantom cart. The lead placement and thickness can be varied on different surfaces of the cart.



Fully Customisable

Other Options Available



Specifications	Standard	Medium
Materials	Stainless Steel	Stainless Steel
Maximum Mass	174 kg	180 kg
Internal Dimensions	250 dia. x 276 tall mm	250 dia x 316 tall mm
External Dimensions	500 x 500 x 548 mm	500 x 500 x 588 mm
Maximum Lead Thickness	30 mm	30 mm

Specifications	Large	Low Mass
Materials	Stainless Steel	Aluminium, Stainless Steel
Maximum Mass	394 kg	112 Kg
Internal Dimensions	400 x 440 x 419 mm	400 x 440 x 419 mm
External Dimensions	538 x 634 x 630 mm	538 x 634 x 630 mm
Maximum Lead Thickness	30 mm	6 mm

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