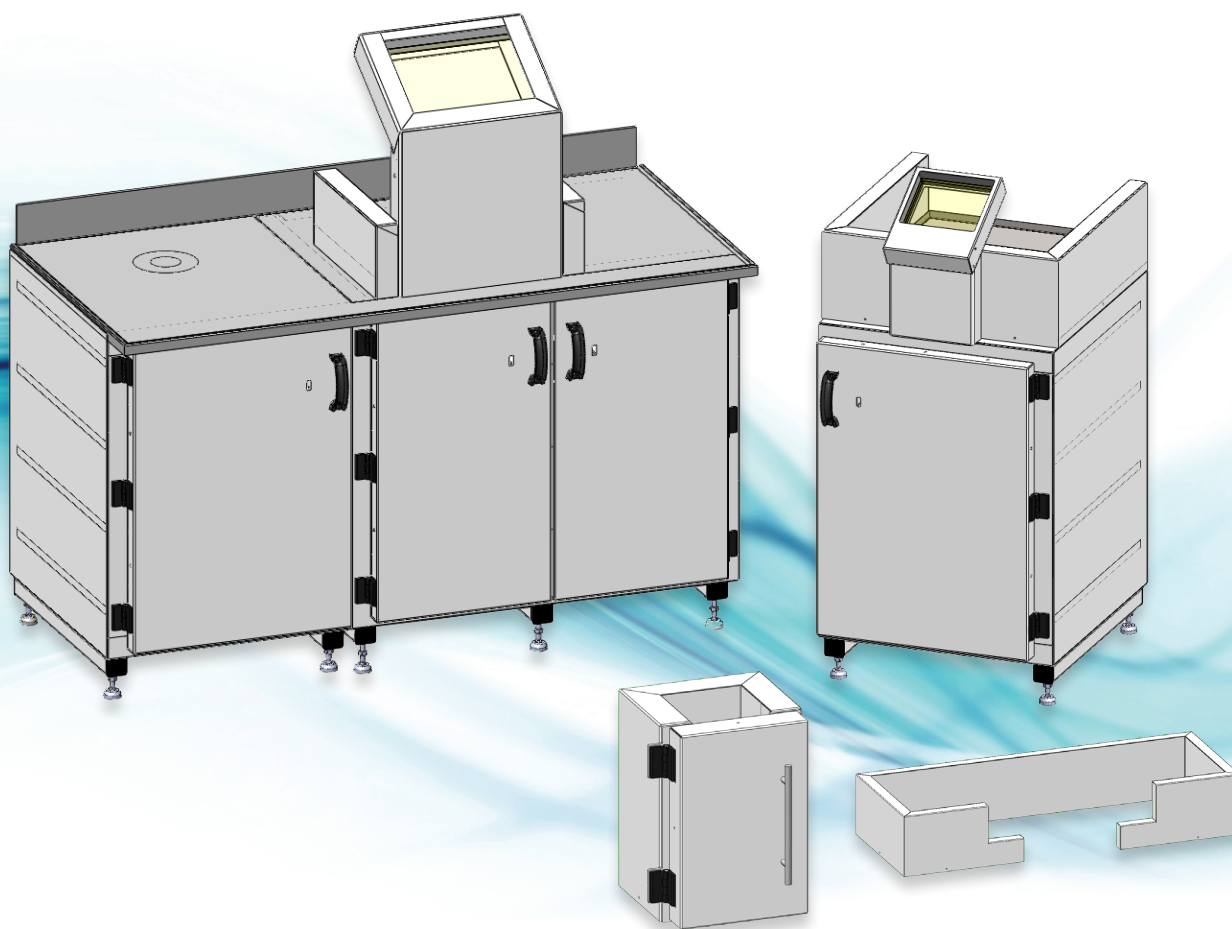


# Lead Lined Containers and Furniture

for Storage and Working Areas



## High quality, UK manufactured and fully customisable.

Bartec Technologies are proud to provide high quality, lead lined furniture and containers, which comply to the most rigorous radiation safety guidelines.

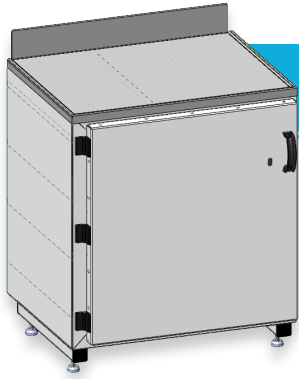
All of the custom products\* are made to measure, which allows the customer to make the most of the space available. No longer are you restricted to the manufacturers pre-defined shapes, sizes and options.

With the manufacturing facility here in the UK, we can ensure easy and complete co-operation throughout the project.

### Contents

Custom Cabinets .....	3
Custom Castles .....	4
Custom Benchtop Screens and Shields .....	5
Custom Assemblies and Benches .....	6 - 7
Custom Screens and Safes .....	8
Custom Storage .....	9
Custom Sharps and Waste .....	10 - 11
Custom Transportation .....	12 - 13
Biodex .....	14 - 15

\*Please note, the Biodex range of products (pages 14 - 15) are not available in custom sizes. For specifications please contact our office or visit the Biodex website.



## Decay Cabinet

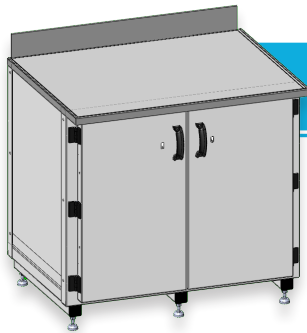
The decay cabinet can be installed with up to 30 mm of lead and features stainless steel hinges with brass bearings the heavy door is able to be opened with ease. Adjustable position shelves and a heavy duty mortice lock for securing the contents. Ideally suited to decay storage of excess doses and waste.

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

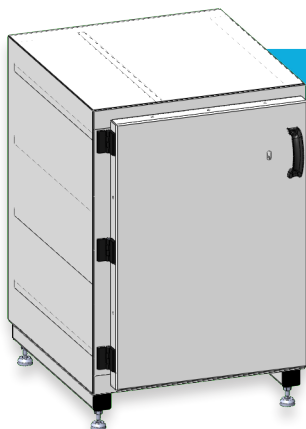
The dose dispensing bench cabinet can be installed with up to 30 mm of lead.

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.

Fully Customisable

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



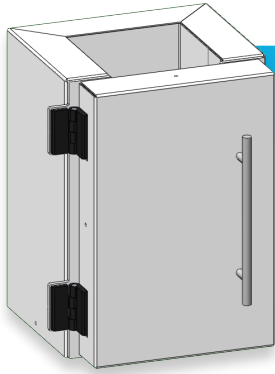
## Cabinet Underbench

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.

Fully Customisable

Other Options Available

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



## Cupboard Castle

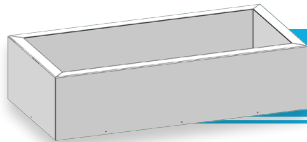
Designed to shield portable apparatus such as an incubator or centrifuge, the cupboard castle is fully welded and dressed smooth, with a powder coated finish which gives an easily cleanable surface.

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

Fully Customisable

Other Options Available

Example Specifications	Large
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

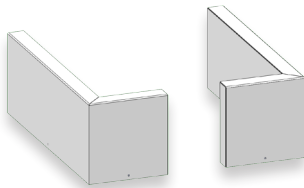


## Benchtop Castles

### Encapsulated

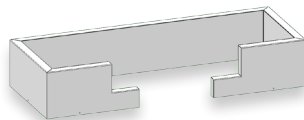
A lead castle without using unsightly chevron lead bricks.

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.



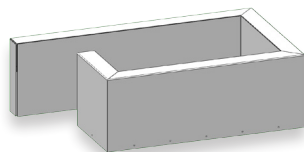
### Compact

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.



### L Stand

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



### Labyrinth

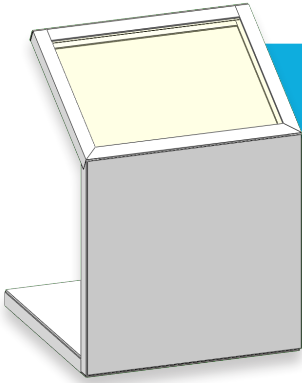
Includes a labyrinth entrance allowing containers to be slid or wheeled into position.

Fully Customisable

Other Options Available

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

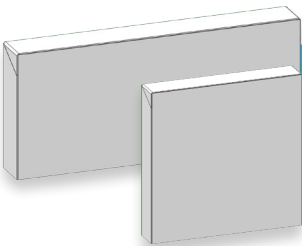
Vertical shielding only version of an L-stand capable of housing up to 50 mm of lead shielding.

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

Fully Customisable

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

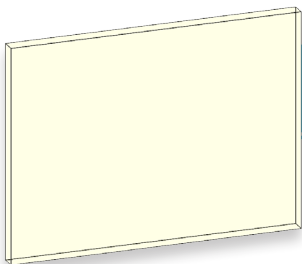
The benchtop screen encapsulates the lead shielding providing a seamless, easily cleanable surface.

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

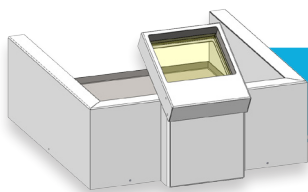


## Custom Sized Lead Glass

Sheet of lead glass cut to custom dimensions.

Fully Customisable

Other Options Available



Fully Customisable

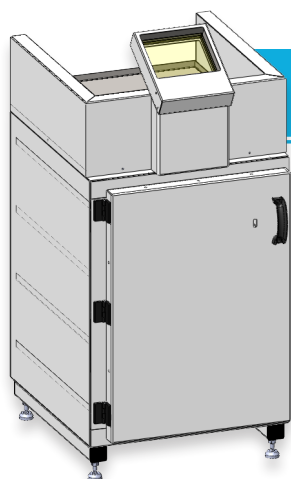
Other Options Available

## 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.

### 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



Fully Customisable

Other Options Available

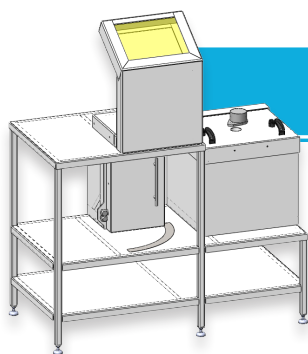
## Compact Workstation

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.

### 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



Fully Customisable

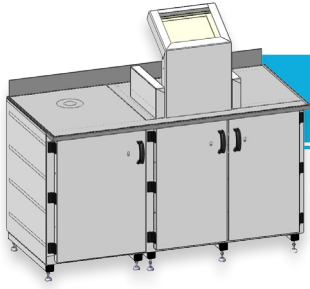
Other Options Available

## PET Bench

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

### Example Specifications

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



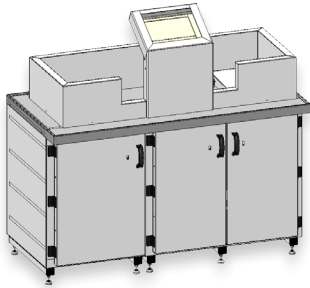
## PET Workstation

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.



Fully Customisable

Other Options Available

### Example Specifications

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



## Reinforced Benches

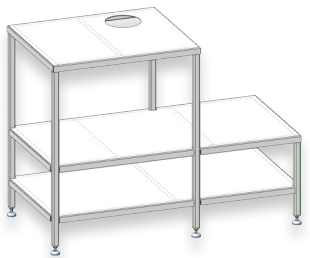
Designed to be placed fully in a corner or against a wall of a laboratory, this bench features an overhanging side allowing it to pass over any pre-existing utilities on the wall.

### Example Specifications

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

Fully Customisable

Other Options Available



## PET

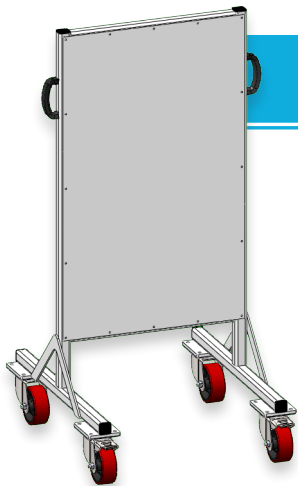
This heavy duty work bench is configured to allow the inclusion of an L stand, dose calibrator and sharps enclosure while positioning each item at the appropriate position for easy use.

### Example Specifications

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

Fully Customisable

Other Options Available



## 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 for storage of sealed sources or high volume or high activity waste.

### Mini Safe

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

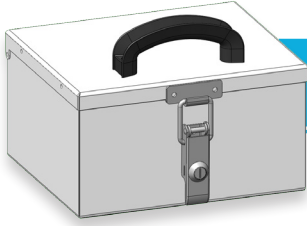
The mini safe allows for lead shielding in 5 mm increments with a maximum thickness of 50 mm. The mini safe allows for cost effective, secure storage for a low volume of goods, such as a small number of sealed sources.

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

Fully Customisable

Other Options Available





## Counter Storage Box

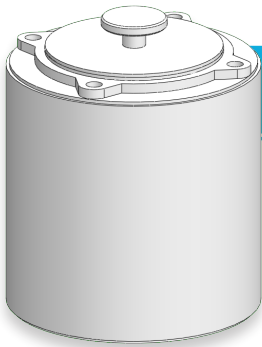
An encased lead storage box with fully welded seams, this product is fully watertight preventing any leaking contents from seeping into the structure. Features a lockable lid and handle.

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

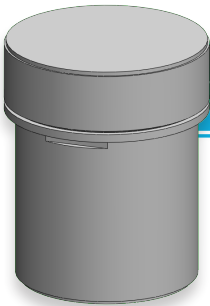
A transport container for easy and safe movement of multiple units of radioactive material, and featuring 30 mm lead shielding the Multi-use Container is well suited for higher energy isotopes such as FDG, Zr-89 or I-131.

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



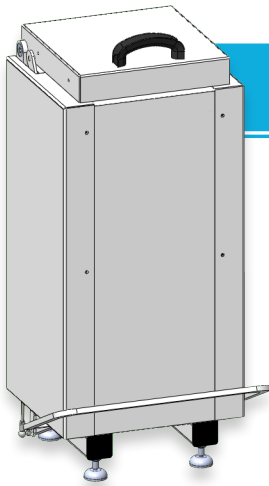
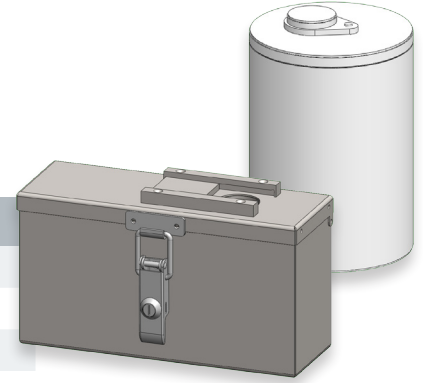
## Sharps Enclosures

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

Fully Customisable  
Other Options Available

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



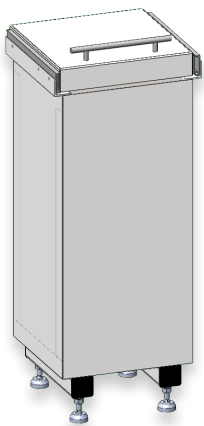
## Waste Bins

### 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.

Fully Customisable  
Other Options Available

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

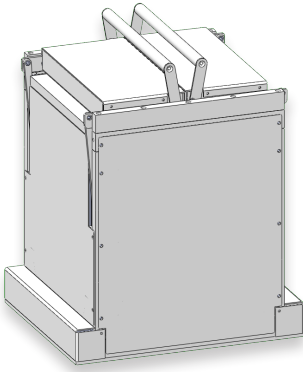


### Slide Waste Bin

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.

Fully Customisable  
Other Options Available

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

## 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

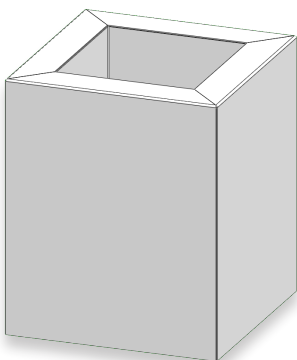
Other Options Available

## 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

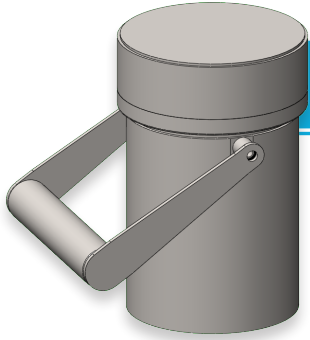
Other Options Available

## Waste Store

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

### 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



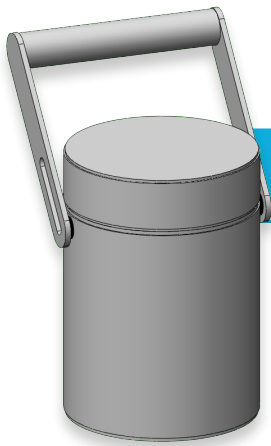
## Vial Caddy

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



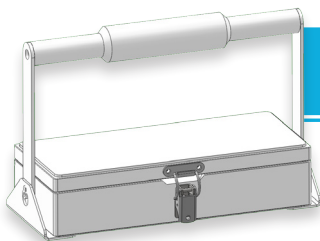
## Lead Flask Holder

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

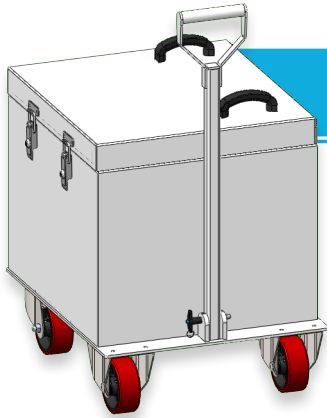
Specifications	
Materials	Stainless Steel, Lead
Maximum Mass	8.4 kg
Internal Dimensions	57.3 dia. x 96 high mm
External Dimensions	101.6 x 143 mm
Maximum Lead Thickness	18.5 mm



## Syringe Carrier

The centre compartment of this syringe carrier is machined from aluminium with no seams or joints, 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.

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



## 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	Large	Low Mass
Materials	Stainless Steel	Stainless Steel	Stainless Steel	Aluminium, Stainless Steel
Maximum Mass	174 kg	180 kg	394 kg	112 Kg
Internal Dimensions	250 dia. x 276 tall mm	250 dia x 316 tall mm	400 x 440 x 419 mm	400 x 440 x 419 mm
External Dimensions	500 x 500 x 548 mm	500 x 500 x 588 mm	538 x 634 x 630 mm	538 x 634 x 630 mm
Maximum Lead Thickness	30 mm	30 mm	30 mm	6 mm



## Lead Lined Furniture

Bartec Technologies are the official UK and Ireland agents for Biodex products. For specifications please search the product codes on the Biodex website.

**Lead Shielding** – All lead lined cabinets are fully shielded on six sides with solid sheet lead. Corner lead shielding is overlapped and consistent with lead thickness.



### Radioisotope Cabinet (244-110)

Designed for safely storing radioactive materials, this radioisotope cabinet features 12 key-locked drawers. Each drawer is easily removed for cleaning or decontamination. A card slot identifies contents.



### Decay and Storage Cabinet (244-160)

Radioisotopes can be safely stored in drawers, while the cupboard section is for the storage of decaying material.

Drawers are easily removed for cleaning and decontamination. The decay section includes two heavy duty adjustable shelves.



### Decay Cabinet (244-140)

Designed for long and short term storage of decaying radioactive material.

Two adjustable shelves support up to 45 kg each. The door is key-locked to prevent unauthorised access. The cabinet will accommodate sharps containers and other boxed waste prior to disposal. It can also be used to store flood sources.



### Generator Cabinet (244-181)

Provides hot lab radiation protection without hampering the elution process.

The left drawer accommodates top or side loading generators. A removable drawer top allows generator replacement. Trap doors on the top and sides of this drawer provide safe access to the generator. The cabinet has two shielded compartments on the right side for storing decaying generators prior to disposal.



### Sink and Waste Cabinet (244-130)

Featuring two Sections for Hot and Cold Waste, the Sink and Waste Cabinet performs three functions: A stainless steel sink allows the convenience of running water in the hot lab. The space under the sink is used for cold storage. Separated from the sink section by a lead barrier, the waste section includes a shielded port that allows waste to be dropped into a polyethylene container for storage until decayed.



**Phantom Cabinet (244-009)**

The Phantom Cabinet stores flood sources and phantoms\* on their ends.

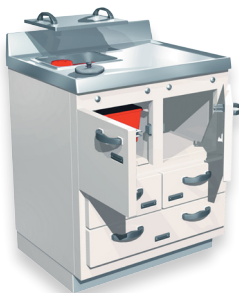
The interior is sectioned by an adjustable divider. The Lead Lined Phantom Cabinet cannot be ordered separately, it must be part of a multiple cabinet configuration.

**\*Note:** Phantom Cabinet does not accommodate 609 mm circular phantoms.



**Preparation Enclosure Cabinet (244-190)**

This Cabinet is designed to support the Lead Lined Preparation Enclosure. Full height, overlapping double doors with key locks open to an adjustable shelf with a 45 kg capacity. The cabinet may be used for decay and storage.



**Unit Dose Cabinet (244-120)**

The Unit Dose Cabinet is designed for hot labs with limited space.

The upper left compartment holds two Sharps containers to facilitate decay rotation. A small chute with removable shielded lid allows syringe disposal into the front container. A large rear port allows safe removal of the second decayed container. The upper right compartment is for bulk storage of unit dose ammo boxes. The shielded door provides access without additional exposure.

Side-by-side middle drawers can be used for storage of syringes, sources, pigs, radioisotopes and other small items requiring lead shielding.

Phantoms and flood sources can be stored in the bottom drawer which runs the full width of the cabinet.



**PET Unit Dose Cabinet (244-200)**

Designed for PET hot labs with limited space, the PET Unit Dose Cabinet provides a space-efficient work area over a fully shielded storage cabinet.

The cabinet supports the Biodex Compact L-Block with Built-in Dose Calibrator Shield, the Sharps Container Shield, the Lead Brick Cave, and accommodates all of the Atomlab Dose Calibrators and many others. The dose calibrator display unit mounts on a stand above the counter top to maximise work space.

The lower cabinet has key-locking doors, two sliding bottom shelves, and two sliding upper shelves. This cabinet is completely shielded on all six sides with 6 mm, 12.7 mm and 25 mm lead, and can stand alone or be grouped with other cabinets.



**Refrigerator (244-004)**

Our 5.3 cubic foot capacity Lead Lined Refrigerator is ideal for storing radiopharmaceuticals, tagged biologicals and other radioactive materials.

The two adjustable stainless steel shelves allow you to make the most of your refrigerator capacity.



**Safe (244-006)**

Conveniently loaded from the front, this Storage Safe is ideal for storing large quantities of high activity radioisotopes.

Shielded with a thickness of 50 mm of lead, the safe is encased in a powder coated steel jacket and features an adjustable shelf. The lead lined door is hung with heavy duty non-sagging hinges and is key-locked to prevent unauthorised access.

Transporting this half-ton safe is made easier with the built-in lifting handles for use with a hoist or other means.

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# bartec

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