

MarShield™

Custom Radiation Shielding Products

LEAD LINED CABINETS

Standard or Custom Designed
Laboratory Furniture



35
Years

Of Excellence

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www.marshield.com



Scan with your mobile/smart
phone barcode reader.



LEAD LINED CABINETS

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MarShield™ manufactures a wide range of Standard or Custom Designed Lead Lined Laboratory Furniture suitable for Nuclear Medicine or Radiochemistry laboratories. Our comprehensive line is tailored and designed to meet your specific requirements.

Features and Benefits

- Standard models are available with three optional lead thicknesses: 0.25", 0.5" or 1".
- Individual, key locked drawers and doors to prevent unauthorized use.
- All lead used in the fabrication of our cabinets is ASTM B-29 Pure Lead, 99.94% x-ray grade.
- All six sides of the cabinet including the cupboard door and drawer face are lead lined.
- All cabinet models have lead shielding fully encapsulated with absolutely no exposed lead.
- All cabinet designs include a step down notch in the doors and drawers for optimum shielding protection.
- Each cabinet is designed with 4" high adjustable legs to make it easier to install or relocate the cabinet using a forklift.
- All shelves or drawers offer a full 100 lb. capacity with drawer or shelf extended or stationary.
- Drawers are removable for cleaning and decontamination.
- All sliding shelves include easy glide rollers.
- Each cabinet door comes with heavy duty hinges specifically designed to withstand the weight of the lead incorporated into each door panel.
- All cabinets receive surface preparation followed by the application of a painted epoxy coating finish (beige is our standard color).
- All cabinets are shipped stretch wrapped and crated for maximum protection during transit.
- The top work surface of all cabinets is 304 stainless steel, #4 finish with a 4" high backsplash and front drip edge. *



**Standard Models Only*



LEAD LINED CABINETS

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Standard Cabinet Models

LEAD LINED DECAY CABINETS # MS-DC

Our Decay Cabinets are designed for storage of radioactive materials or decay radioactive waste materials.

Heavy-duty adjustable shelves incorporated into the cabinet allow the waste to be placed directly onto them (short or long term) until it can be safely disposed of. Internal dimensions of the cupboard are based on the amount of shielding required.

The standard external cabinet size is 24" deep x 30.5" wide x 36.5" high.



Model # MS-DC-25/30.5-24-36.5 - 0.25" Lead Shielding, 1,027 lbs Total Weight

Model # MS-DC-05/30.5-24-36.5 - 0.50" Lead Shielding, 1,555 lbs Total Weight

Model # MS-DC-1.0/30.5-24-36.5 - 1.0" Lead Shielding, 2,830 lbs Total Weight

LEAD LINED DECAY AND STORAGE CABINETS # MS-DSC

Our Decay and Storage Cabinets incorporate functionality and needs into its design. This cabinet features stackable drawers for storage of

radioisotopes on one side with a large cupboard on the opposite side housing two adjustable shelves for decaying materials. Internal dimensions, along with the drawer and cupboard dimensions are

based on the amount of shielding required. Drawers can have an optional divider placed into them separating the contents. The standard external cabinet size is 24" deep x 36.5" wide x 36.5" high.

Model # MS-DSC-25/36.5-24-36.5 - 0.25" Lead Shielding, 1,360 lbs Total Weight

Model # MS-DSC-05/36.5-24-36.5 - 0.50" Lead Shielding, 1,965 lbs Total Weight

Model # MS-DSC-1.0/36.5-24-36.5 - 1.0" Lead Shielding, 3,450 lbs Total Weight



LEAD LINED UNIT DOSE CABINETS # MS-UDC

Our Unit Dose Cabinet is ideal where space is limited. With multiple storage compartments, this cabinet houses a host of radioactive sources.

The top cupboards can have an optional sharps container cut out with a lid for spent syringes or for storage.

The bottom drawers are perfect for storing source pigs on their sides, syringes or radioisotopes, phantoms and flood sources. The two drawers can be of equal size or two separate top drawers and one single bottom one. Internal dimensions along with the drawer dimensions are based on the amount of shielding required. Drawers can have an optional divider placed into them separating the contents. The standard external cabinet size is 24" deep x 30.5" wide x 36.5" high.



Model # MS-UDC-25/30.5-24-36.5 - 0.25" Lead Shielding, 1,145 lbs Total Weight

Model # MS-UDC-05/30.5-24-36.5 - 0.50" Lead Shielding, 1,665 lbs Total Weight

Model # MS-UDC-1.0/30.5-24-36.5 - 1.0" Lead Shielding, 2,940 lbs Total Weight

Standard Cabinet Models

The MarShield website now offers our customers the following CAD drawings:

- Approval drawing - PDF format
- Approval drawing - DWG format,
- 3D Rendered model - Solidworks format.

Note: edrawings viewer software is can be downloaded from our site.





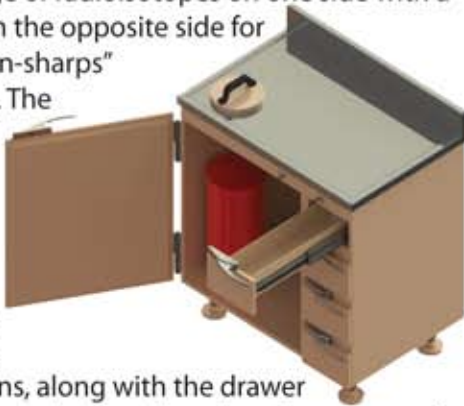
LEAD LINED CABINETS

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Standard Cabinet Models Continued

LEAD LINED WASTE AND STORAGE CABINETS # MS-WSC

Our Waste and Storage Cabinets feature stackable drawers for storage of radioisotopes on one side with a large cupboard on the opposite side for the storage of "non-sharps" radioactive waste. The top of the cupboard can have an optional sharps container cut out with a lid for spent syringes or simply storage.



Internal dimensions, along with the drawer and cupboard dimensions are based on the amount of shielding required. Drawers can have an optional divider placed into them separating the contents. The standard external cabinet size is 24" deep x 36.5" wide x 36.5" high.

Model # MS-WSC-25/36.5-24-36.5 - 0.25" Lead Shielding, 1,275 lbs Total Weight

Model # MS-WSC-05/36.5-24-36.5 - 0.50" Lead Shielding, 1,880 lbs Total Weight

Model # MS-WSC-1.0/36.5-24-36.5 - 1.0" Lead Shielding, 3,380 lbs Total Weight

LEAD LINED RADIOISOTOPE STORAGE CABINETS # MS-RSC

Our Radioisotope Storage Cabinets are available in 3, 6, 9, or 12 drawer configurations.

Drawers can have an optional divider placed into them separating the contents. The standard external cabinet size is 24" deep x 30.5" wide x 36.5" high. Internal dimensions, along with the drawer dimensions are based on the amount of shielding required.

Model # MS-RSC-25/30.5-24-36.5 - 0.25" Lead Shielding, 1,645 lbs Total Weight

Model # MS-RSC-05/30.5-24-36.5 - 0.50" Lead Shielding, 2,145 lbs Total Weight

Model # MS-RSC-1.0/30.5-24-36.5 - 1.0" Lead Shielding, 3,325 lbs Total Weight



LEAD LINED PREPARATION ENCLOSURE BASE CABINET # MS-PEBC

Our Preparation Enclosure Base Cabinets are designed to support the lead-lined preparation enclosure. The cabinet includes full height, overlapping double locking doors that open to an adjustable height shelf. The cabinet can be used for decay and storage. Internal dimensions of the cupboard are based on the amount of shielding required. The standard external cabinet size is 24" deep x 36.5" wide x 36.5" high.



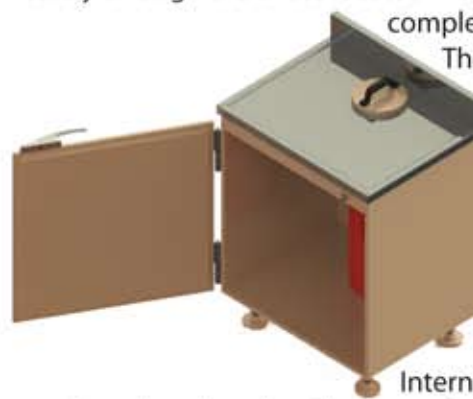
Model # MS-PEBC-25/36.5-24-36.5 - 0.25" Lead Shielding, 1,130 lbs Total Weight

Model # MS-PEBC-05/36.5-24-36.5 - 0.50" Lead Shielding, 1,750 lbs Total Weight

Model # MS-PEBC-1.0/36.5-24-36.5 - 1.0" Lead Shielding, 3,230 lbs Total Weight

LEAD LINED WASTE CABINETS - # MS-WC

Our Waste Cabinets are designed for radioactive storage safely through the chute located in the top work surface



complete with a shielded lid.

The opening allows the waste to be dropped directly into your polyethylene container prior to decay and disposal where it will be stored until you are ready to safely move it.

Internal dimensions of the cupboard are based on the amount of shielding required. The standard external cabinet size is 24" deep x 30.5" wide x 36.5" high.

Model # MS-WC-25/30.5-24-36.5 - 0.25" Lead Shielding, 927 lbs Total Weight

Model # MS-WC-05/30.5-24-36.5 - 0.50" Lead Shielding, 1,465 lbs Total Weight

Model # MS-WC-1.0/30.5-24-36.5 - 1.0" Lead Shielding, 2,745 lbs Total Weight





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Additional Cabinet Models Available

LEAD LINED PET UNIT DOSE CABINETS # MS-PUDC

Our Pet Unit Dose Cabinets are ideal for small PET hot labs. This robust cabinet is intended for the placement of your L-Block and built in dose calibrator shield on the top work surface. A cut out for your sharps container is included with a shielded lid. A dose calibrator can be placed on a raised stand that can be bolted to the work surface. The top work surface is 304 stainless steel, #4 finish with a partial 4" high backsplash. The lower portion of the cabinet has two locking cupboard doors that house four independent sliding shelves. The cabinet is perfect for storage of your PET shipping containers. Internal dimensions of the cupboard are based on the amount of shielding required. The standard external cabinet size is 24.75" deep x 36.5" wide x 36.5" high.

Model # MS-PUDC-25/36.5-24.75-36.5 - 0.25" Lead Shielding

Model # MS-PUDC-05/36.5-24.75-36.5 - 0.50" Lead Shielding

Model # MS-PUDC-1.0/36.5-24.75-36.5 - 1.0" Lead Shielding



LEAD LINED PHANTOM CABINETS # MS-PC

Our Phantom Cabinets are primarily designed to store flood sources and phantoms on their ends and is used with our diversified multi cabinet configuration. The standard external cabinet size is 24" deep x 11.6" wide x 36" high. The interior is sectioned by an adjustable and removable divider. This cabinet can be ordered as a stand alone or attached with another cabinet. Note: does not support or accommodate 24" circular phantoms. Internal dimensions of the cupboard are based on the amount of shielding required.

Model # MS-PC-25/11.6-24-36 - 0.25" Lead Shielding

Model # MS-PC-05/11.6-24-36 - 0.50" Lead Shielding

Model # MS-PC-1.0/11.6-24-36 - 1.0" Lead Shielding

All custom cabinet models will include CAD drawings after the receipt of an order.





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Cabinet Options To Consider:

- Tops can be ordered 6" deeper than cabinets to accommodate pipes and services.
- Card slots for labels
- Built-in seismic anchor brackets
- Alternative paint colors or a durable powder coat oven baked paint finish
- When ordering multiple units for grouped configuration, a unified countertop may be ordered to provide a continuous work surface.
- Shielded cable port holes or shielded vent holes
- Fume hoods
- L-Block shields, lead brick caves or enclosures
- Table top Shields
- Dose calibrator Shields
- Sharps containers
- Waste containers
- Decay drums for low or high energy
- Lead pig vial containers
- Custom cabinets: wider, deeper, higher, longer with lead thickness up to 4" thick
- Cabinet stands to raise small cabinets from the floor to a workable height
- Floor dollies for transporting your small cabinet



Don't hesitate to contact us if your option is not listed above. We enjoy the challenges of custom designing and would be happy quote a cabinet tailored to your unique needs!

Quotation Information

In order to provide a firm quotation we need the following information:

1. Model number of the cabinet (if standard) or a small hand sketch showing the type or design with detail and dimensions shown.
2. Amount of lead shielding required in the cabinet.*
3. Options required such as stainless steel top, back splash, drip edge, drop through port holes, lockable doors, special colors or paint finishes, adjustable or fixed shelves, and drawers.
4. Ship to address with city, state/province and zip/postal code.
5. Door swing or hinge location, if applicable.
6. Door or drawer latch location, if applicable.
7. Required delivery time.
8. Whether this request is budgetary or a firm price with anticipated order date.

** We cannot determine the amount of lead shielding for you. If you are unsure it is best to consult with a physicist.*

Note: We do not provide shielding internally between shelves, drawers, or cupboards in the cabinet. All Shielding is proved on the perimeter of the cabinet. This includes all sides, top, bottom, door, or drawer faces.





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