



NDT

Non-Destructive Testing

2020
PRODUCT
GUIDE

Understanding Non-Destructive Testing (NDT)

NDT or “Non-Destructive Testing” is the name given to numerous testing procedures typically used to evaluate the properties of materials or components. As the name suggests, no damage is done to the sample during testing procedures. This type of testing can be used as a quality control activity to ensure products/ components meet specifications prior to dispatch.

There are a wide variety of NDT techniques currently in practice. These techniques can be used to check the surface and bulk of a sample for defects at any stage of a components’ life. NDT can even be used during manufacturing.

Most importantly, NDT can be used throughout the service life of a component. Used specifically to assess the integrity or wear status of a component. During service, NDT can be used to predict or prevent expensive and catastrophic premature failure.

With a large increase in litigation, more responsibility is placed on manufacturers. An increase in demand for NDT systems is happening as manufacturers are expected to warranty their products with increasing scrutiny.

Techno-Aide is proud to carry an extensive line of NDT accessories designed to meet immediate and increasing needs for these products!

With over 40 years of high quality, USA based manufacturing experience, Techno-Aide is excited to be the one-stop-shop for all NDT accessory needs.

APPLICATIONS OF NDT | NDT can be used for a range of different applications such as:

Aircraft Structures

Weld Inspection & Verification

Asset/Integrity Management

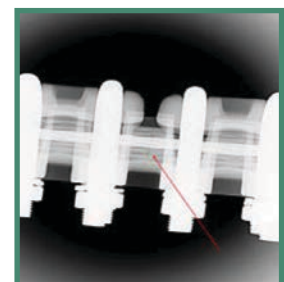
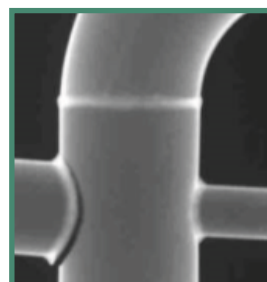
Pipeline Testing

Railway Testing

Quality Control

Bridges

Casting



Non-Destructive Testing Markers | Unmounted Characters

Clearly communicate information on your image with these specialty unmounted lead characters. These markers feature clean, sharp and smooth edges to produce clear and well-defined images. We offer a variety of unmounted lead characters for all non-destructive imaging needs!

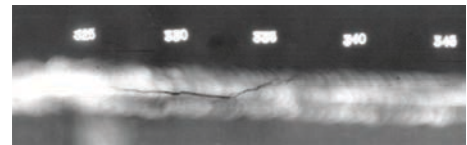
FLAT FACE CHARACTERS

| Character Size | CAT# | R&L Letters Available | A-Z Letters Available | 0-9 Numbers Available | Price Per Character |
|----------------|---------|-----------------------|-----------------------|-----------------------|---------------------|
| 3/16" | XTUF-36 | Yes | Yes | Yes | \$0.50 |
| 1/4" | XTUF-14 | Yes | Yes | Yes | \$0.50 |
| 3/8" | XTUF-38 | Yes | Yes | Yes | \$0.50 |
| 1/2" | XTUF-12 | Yes | Yes | Yes | \$0.60 |
| 5/8" | XTUF-58 | Yes | Yes | Yes | \$0.60 |
| 1" | XTUF-01 | Yes | Yes | Yes | \$1.00 |



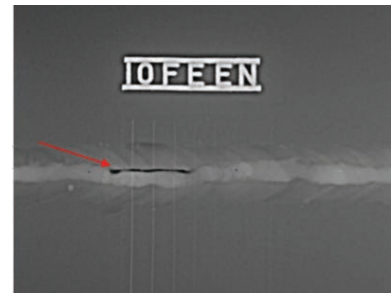
DEEP BLOCK CHARACTERS

| Character Size | CAT# | R&L Letters Available | A-Z Letters Available | 0-9 Numbers Available | Price Per Character |
|----------------|---------|-----------------------|-----------------------|-----------------------|---------------------|
| 1/4" | XTUB-14 | Yes | Yes | Yes | \$0.90 |
| 3/8" | XTUB-38 | Yes | Yes | Yes | \$1.00 |
| 1/2" | XTUB-12 | Yes | Yes | Yes | \$1.00 |



ARROWS

| Character Size | CAT# | Price Per Character |
|----------------|---------|---------------------|
| 1/4" | XTUA-14 | \$1.00 |
| 1/2" | XTUA-12 | \$0.80 |
| 1" | XTUA-01 | \$1.00 |



UNMOUNTED LEAD CHARACTERS
AVAILABLE FOR EVERY NDT NEED!

Non-Destructive Testing Markers | Mounted Characters

Clearly communicate information on your image with these specialty unmounted lead characters. These markers feature clean, sharp and smooth edges to produce clear and well-defined images. We offer a variety of unmounted lead characters for all non-destructive imaging needs!

INDIVIDUAL MOUNTED CHARACTERS (FLAT FACE)

| CAT# | Lead Size | Plastic Size | Description | Price Per Character |
|-----------|-----------|--------------|---------------------------|---------------------|
| XTSF-3658 | 3/16" | 5/8" | Fits "Veri-Thin" | \$0.80 |
| XTSF-3634 | 3/16" | 3/4" | Fits Legal | \$0.80 |
| XTSF-1458 | 1/4" | 5/8" | | \$0.80 |
| XTSF-1434 | 1/4" | 3/4" | | \$0.80 |
| XTSF-1478 | 1/4" | 7/8" | Fits Eclipse & Perfection | \$0.80 |
| XTSF-1234 | 1/2" | 3/4" | Fits Ideal | \$0.80 |
| XTIF-3658 | 3/16" | 3/4" | | \$0.80 |


Individual Mounted (Flat Face)

Options:

A-Z

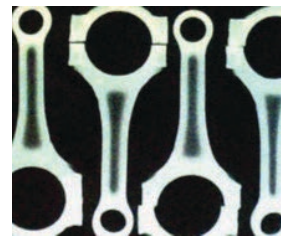
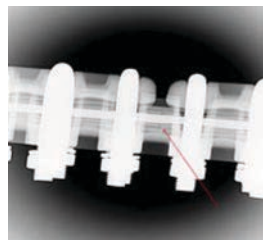
R & L

0-9



FLAT SURFACE MOUNTED WORDS (FLAT FACE)

| | 3/16" on 3/4" | | 1/4" on 3/4" | | 1/2" on 3/4" | | 1" on 1 1/2" | |
|----------------------|---------------|--------|--------------|--------|--------------|--------|--------------|---------|
| | CAT# | Price | CAT# | Price | CAT# | Price | CAT# | Price |
| Single Letter | XVFW-0136 | \$1.00 | XVFW-0114 | \$1.00 | XVFW-0112 | \$1.00 | XVFW-0101 | \$2.00 |
| 2-3 Letters | XVFW-2336 | \$2.00 | XVFW-2314 | \$2.00 | XVFW-2312 | \$2.00 | XVFW-2301 | \$4.00 |
| 4-5 Letters | XVFW-4536 | \$4.00 | XVFW-4514 | \$4.00 | XVFW-4512 | \$4.00 | XVFW-4501 | \$7.00 |
| 6-7 Letters | XVFW-6736 | \$6.00 | XVFW-6714 | \$6.00 | XVFW-6712 | \$6.00 | XVFW-6701 | \$9.00 |
| 8+ Letters | XVFW-8036 | \$7.00 | XVFW-8014 | \$7.00 | XVFW-8012 | \$7.00 | XVFW-8001 | \$11.00 |

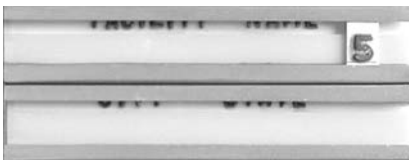


Non-Destructive Testing Markers & Kits

IDEAL CUSHION MARKERS

Double channel with cushions. Imprint in the upper section of each channel.

| CAT# | Description | Price |
|---------|-------------|----------|
| XSIC-21 | Holder Only | \$75.00 |
| XSIC-22 | Kit | \$170.00 |



Kit Includes

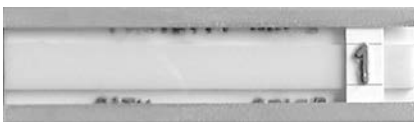
- 1 Holder - 3/16" letters on 5/8" plastic tabs
- 2 Each - "A-Z" characters
- 4 Each - "0-9" characters
- 2 Each - "A, E, I, O, U" characters
- Single 36 Letter Case (XSLC-36)



ECLIPSE CUSHION MARKERS

Single channel with cushion. Imprint above and below the centerline.

| CAT# | Description | Price |
|---------|-------------|----------|
| XSEC-11 | Holder Only | \$59.00 |
| XSEC-12 | Kit | \$120.00 |



Kit Includes

- 1 Holder - 1/4" letters on 7/8" plastic tabs
- 2 Each - "R & L" characters
- 4 Each - "0-9" characters
- Single 36 Letter Case (XSLC-36)



PERFECTION MARKERS

Single aluminum channel. Imprint above and below the channel.

| CAT# | Description | Price |
|---------|-------------|----------|
| XSPF-11 | Holder Only | \$60.00 |
| XSPF-12 | Kit | \$120.00 |



Kit Includes

- 1 Holder - 1/4" letters on 7/8" plastic tabs
- 2 Each - "R & L" characters
- 4 Each - "0-9" characters
- Single 36 Letter Case (XSLC-36)



Non-Destructive Testing Markers & Kits

LEGAL MARKERS

Double aluminum channels. Imprint between the channels.

| CAT# | Description | Price |
|---------|-------------|----------|
| XSLG-21 | Holder Only | \$70.00 |
| XSLG-22 | Kit | \$150.00 |



Kit Includes

- 1 Holder - 3/16" letters on 3/4" plastic tabs
- 2 Each - "A-Z" characters
- 4 Each - "0-9" characters
- 2 Each - "A, E, I, O, U" characters
- Single 36 Letter Case (XSLC-36)



VERI-THIN LEGAL MARKERS

Double aluminum channels. Imprint down and between the two channels.

| CAT# | Description | Price |
|---------|-------------|----------|
| XSVL-21 | Holder Only | \$70.00 |
| XSVL-22 | Kit | \$150.00 |



Kit Includes

- 1 Holder - 3/16" letters on 5/8" plastic tabs
- 2 Each - "R & L" characters
- 4 Each - "0-9" characters
- 2 Each - "A, E, I, O, U" characters
- Single 36 Letter Case (XSLC-36)



LEAD LETTER BOX

36-compartment, molded plastic, lead letter box. Sold as a single container.

#XSLC-36 | \$44.00



Lightweight and durable storage for all of your NDT Markers!

Negative Preserver Envelopes

Available in three sizes to accommodate all films. All include stock copy lines for: file number, name, date, doctor and remarks. Made of 32lb. gold kraft stock. Thumbcut for easy access to films. Open end (opens along short side edge). Large sized preservers available in red and green.

| CAT# | Size | QTY Per Carton | Weight Per Carton | Price |
|---------|---------------|----------------|-------------------|----------|
| JNS-OEK | 8.5" x 10.5" | 250 | 25 lbs | \$242.00 |
| JNM-OEK | 10.5" x 12.5" | 500 | 25 lbs | \$262.00 |
| JNL-OEK | 14.5" x 17.5" | 250 | 25 lbs | \$204.00 |

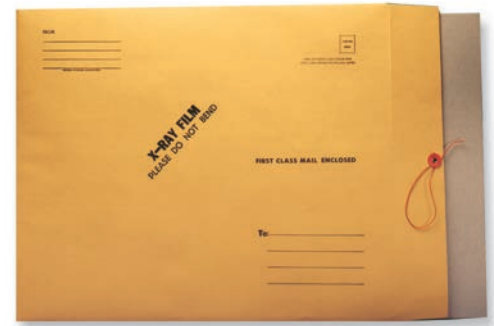
| CAT# | Size | QTY Per Carton | Weight Per Carton | Price | Color |
|---------|---------------|----------------|-------------------|----------|-------|
| JNL-OEG | 14.5" x 17.5" | 500 | 25 lbs | \$532.00 | Green |
| JNL-OER | 14.5" x 17.5" | 500 | 25 lbs | \$532.00 | Red |



Cardboard Insert Mailers

Available in two sizes. Made of 32lb. brown kraft stock. Open end, string & button closure. Chipboard insert for rigidity. Printed with bold black stock copy.

| CAT# | Size (inches) | QTY Per Carton | Weight Per Carton | Price |
|---------|---------------|----------------|-------------------|----------|
| JMM-SBC | 11" x 13" | 50 | 7 lbs | \$130.00 |
| JML-SBC | 15" x 18" | 50 | 14 lbs | \$158.00 |



Green Diamond Border Mailers

Available in two sizes. Made of 11pt. manila stock. Open end, string & button closure. Green diamond border with red. "X-Ray Film, please do not bend."

| CAT# | Size (inches) | QTY Per Carton | Weight Per Carton | Price |
|---------|---------------|----------------|-------------------|----------|
| JMM-SBD | 11" x 13" | 50 | 6 lbs | \$158.00 |
| JML-SBD | 15" x 18" | 50 | 11 lbs | \$162.00 |







Techno-Tuff™ X-Ray Filing Cabinet

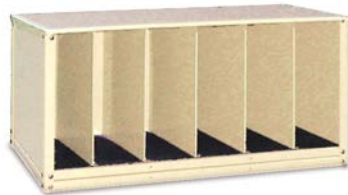
Fully assembled, tough, and versatile. All steel construction offers maximum strength. Solid back and side panels for security. 15 3/8" vertical shelf clearance. 12-gauge corner posts for vertical strength. Dividers are 6" apart. Full height dividers add vertical strength and stability. Full depth dividers prevent snagging and ripping of jackets. **Filing cabinets ship via motor freight.**

| CAT# | Shelves | Compartments | Height | Depth | Width | Price |
|--------|---------|--------------|--------|-------|-------|------------|
| 618A | 5 | 30 | 84" | 18" | 36" | \$1,015.00 |
| 631XST | 1 | 6 | 20" | 18" | 36" | \$325.00 |
| 632XST | 2 | 12 | 36" | 18" | 36" | \$608.00 |
| 633XST | 3 | 18 | 52" | 18" | 36" | \$808.00 |
| 634XST | 4 | 24 | 68" | 18" | 36" | \$945.00 |
| 642XST | 2 | 16 | 36" | 18" | 48" | \$900.00 |

The industry standard cabinets for ARCHIVE or ACTIVE film storage!

Available Steel Colors

| | | | |
|---|---|---|---|
| Platinum | Black | White | Almond |
|  |  |  |  |
| Default | Textured | | Textured |



#631XST | \$325.00
Shown in almond



#618A | \$1,015.00
Shown in almond



#642XST | \$900.00
Shown in almond



#632XST | \$608.00
Shown in almond

Receptor Filing Carts

Protect your investment! "CRC" CR-Plate Units have special, impact resistant padding on shelves and vertical surfaces to prevent damage to expensive CR-Plates. Accommodates film jackets, cassettes, and IR plates.

| CAT# | Dimensions (W x L x H) | Vert. Clearance | Compartments | Weight | Price |
|---------------|------------------------|-----------------|---------------|---------|------------|
| CRC-38 | 24" x 18" x 42.5" | 16.5" | 8 - (6" each) | 130 lbs | \$1,152.00 |
| CRC-24 | 24" x 18" x 42.5" | 16.5" | 4 - (6" each) | 100 lbs | \$1,152.00 |

Tall Receptor Cart

#CRC-38 | \$1,152.00

Shown in almond



Mini Receptor Cart

#CRC-24 | \$1,152.00

Shown in almond



Available Steel Colors

Platinum



Default

Black



Textured

White



Almond



Textured

Standard Wall Bins

Non-shielded steel storage solutions. Will hold receptor plates, film jackets, and caddies. Holds approximately 25 individual file/film jackets. Opening is 22" w x 5" d x 14" h.

#80HP | \$400.00

HIPAA Version with solid steel no-see front.



#80AC | \$400.00

Standard Version with polycarbonate see-thru front.



Omni-Guard

Protective Flexible Shield

Used over equipment to help protect from radiation exposure. Placed underneath equipment to prevent scatter radiation. All purpose covering for equipment. provides 0.5mm Pb equivalency protection. Choose any color fabric.

| Size | (Width x Length) |
|------|------------------|
| S | (18" x 18") |
| M | (24" x 24") |
| L | (24" x 36") |
| X | (24" x 48") |



0.5mm Pb Equivalency

| CAT. # | Lead Type | Small | Medium | Large | X-Large |
|--------|-----------|----------|----------|----------|----------|
| OMR | Regular | \$124.00 | \$144.00 | \$184.00 | \$214.00 |
| OML | Light Wt. | \$154.00 | \$203.00 | \$284.00 | \$351.00 |
| OMG | Lead-Free | \$214.00 | \$264.00 | \$324.00 | \$468.00 |

0.375mm Pb Equivalency

| CAT. # | Lead Type | Small | Medium | Large | X-Large |
|--------|-----------|----------|----------|----------|----------|
| OMSR | Regular | \$94.00 | \$124.00 | \$154.00 | \$184.00 |
| OMSL | Light Wt. | \$144.00 | \$184.00 | \$224.00 | \$274.00 |
| OMSG | Lead-Free | \$204.00 | \$254.00 | \$334.00 | \$474.00 |

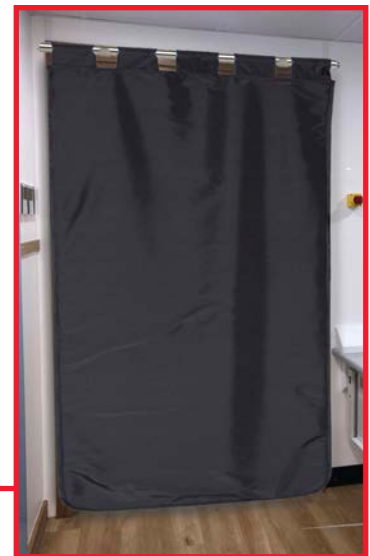
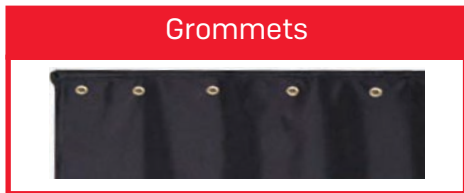
NEW Add-On Conversions

For All Omni-Guards

Make your Omni-Guard more versatile! Want to hang your omni-guard like a curtain or drape? Convert any omni-guard by adding grommets or loops!*

| CAT. # | Type | QTY | Price |
|--------|--------------|---------|---------|
| OM-GR | Grommets | Up to 5 | \$25.00 |
| OM-LP | Loops (Tabs) | Up to 5 | \$25.00 |

Shop color and embroidery options on pages 10-11!



Custom Omni-Guards

Don't see the size you need? We are happy to provide a quote based on your needs! Simply fill out the information below and submit for a quote today!

| Customer Information | |
|----------------------|--|
| Name | |
| Phone Number | |
| Contact Email | |
| Address Line 1 | |
| Address Line 2 | |

| Omni-Guard Quote Information | |
|------------------------------|--|
| Length (in.) | |
| Width (in.) | |
| Grommets (Y/N) | |
| Tabs (Y/N) | |
| Drape Color (PG. 10-11) | |

*Desired location and distance between grommets (maximum width of 48") must be noted on any Omni-Guard add-on order.

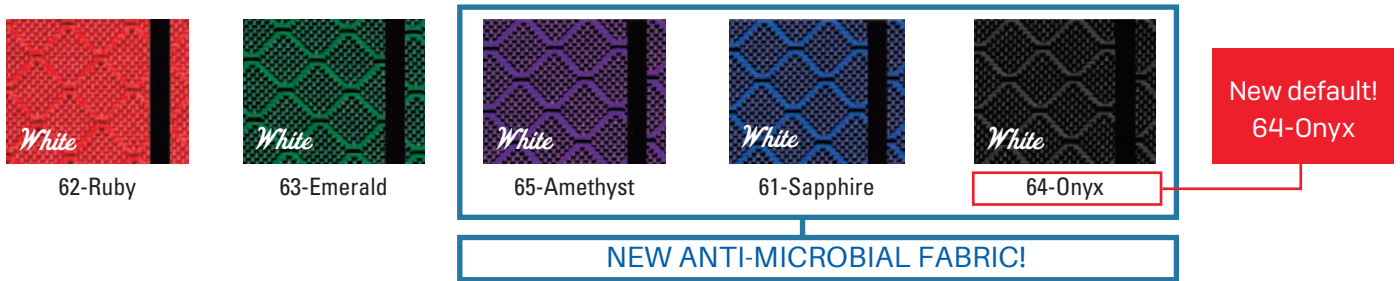
Mobile Shield Fabric Options

NYLON FABRICS

FEATHER RIPSTOP FABRIC Light Weight Nylon, Filament Reinforced Fabric



DIAMOND RIPSTOP FABRIC Medium Weight Nylon, Filament Reinforced Fabric



NYLON SOLIDS Liquid Repellent, Light & Supple



SPECIALTY FABRICS

COLORFUL PRINTS Liquid Repellent, Medium Weight



NEW 69-Skulls



70-Blue Plaid



71-Leopard



72-Lots•0•Dots



73-Sleepy Sheep



74-Playful Pups



83-Cool Waves



77-Life Vines



78-Waterfall



80-Red Paws



81-Black Paws



76-Blue Paws



82-Pink Camo



85-Digital Camo



86-Camo Night

Prints are shown SMALLER than actual size!

TEXTURED FABRIC Textured High Tech Fabrics



15-Diamondback



16-Crocogator



18-Bronze Tech



Protective Apparel Add-Ons

Custom Shield Embroidery

Custom embroidery is available on all shields and omni-guards. Customize your product to meet any need!

#OM-EML | \$10 for **the first embroidery line**, up to 24 letters.

#OM-EML2 | \$10 for **second embroidery line**, up to 24 letters.



Embroidery Options

We are proud to offer the highest quality embroidery for all shields and omni-guards. Choose from a style below.

Embroidered items are non-returnable & non-refundable.

Available Styles



Embroidery Colors

- White* (default)
- Black* (default)
- Lt. Gray*
- Charcoal*
- Royal Blue*
- Red*
- Yellow*
- Orange*
- Tan*
- Brown*

Binding Colors

- Black** (default)
- Light Gray** (default)
- Navy**
- Royal Blue**
- Red**
- Yellow**
- Orange**
- Tan**
- Pink**
- Purple**
- Green**
- Burgundy**

Protective Media Guide

| MEDIA | BENEFITS | PROTECTION | ATTENUATION | WEIGHT |
|------------------|--|-------------------|--|--|
| Regular Lead | Most economical and recyclable | 100% Lead | 0.5mm Pb Equiv. Protection avg. 97% attenuation over 80, 100, 120 KVP | 9 - lbs. (based on medium front protection apron) |
| Lightweight Lead | Lighter than regular lead and recyclable | Lead-Tin | 0.5mm Pb Equiv. Protection avg. 96.8% attenuation over 80, 100, 120 KVP | 8 - lbs. (based on medium front protection apron) |
| Lead Free | Lightest Weight, Lead-Free, Environmentally Friendly | Tungsten-Antimony | 0.5mm Pb Equiv. Protection avg. 96.6% attenuation over 80, 100, 120 KVP | 7 - lbs. (based on medium front protection apron) |

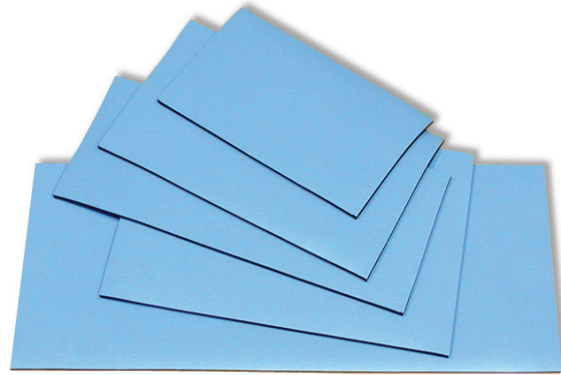
Lead Blockers

Maximize efficiency and optimize use of receptors. Divides receptor for multiple exposures. Covered with blue vinyl laminate. Flexible vinyl-lead is easy to use and position. Lead blockers clean easily with most common disinfectants. Provides 1.0mm Pb Equivalency shielding.

| CAT# | Blocker Size | Fits Receptor | Price |
|--------|--------------------------|---------------|----------|
| FLB-58 | 5" x 8" (13x18cm) | 8" x 10" | \$37.00 |
| FLB-52 | 5" x 12" (13x30cm) | 10" x 12" | \$48.00 |
| FLB-61 | 6" x 10" (15x24cm) | 10" x 12" | \$48.00 |
| FLB-71 | 7" x 11" (18x28cm) | 11" x 14" | \$64.00 |
| FLB-77 | 7" x 17" (18x43cm) | 14" x 17" | \$90.00 |
| FLS-78 | Set of FIVE listed above | | \$258.00 |

NEW SIZES!

| CAT# | Blocker Size | Fits Receptor | Price |
|--------|---------------------|---------------|----------|
| FLB-74 | 14" x 14" (28x28cm) | 14" x 14" | \$75.00 |
| FLB-90 | 14" x 17" (28x43cm) | 14" x 17" | \$160.00 |
| FLB-17 | 17" x 17" (43x43cm) | 17" x 17" | \$195.00 |

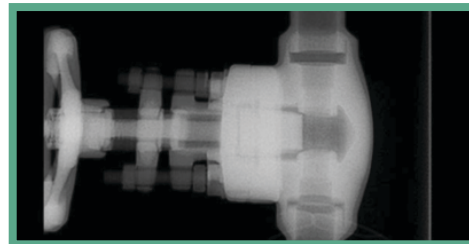
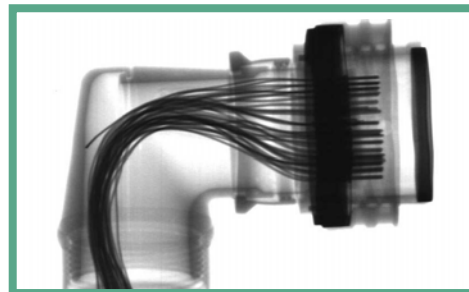


Radiation Protective Gloves

Five fingered protection for full dexterity. 0.5mm Pb equivalency dip molded core. Durable, soft navy vinyl covering. 15". Sold as a pair (left and right gloves).

HAND GUARDS

#HGP | \$376.00
Single Pair (L & R)



Department Signs

All signs are constructed of durable 1/8" Trovicel™, a plastic specific to the sign industry. Double-faced tape is attached to the back for mounting. Large Signs are 8" x 10". Small Signs are 4" x 10". The large MRI "Danger" Signs are 12" x 18".



#CXR-13EB | \$15.00



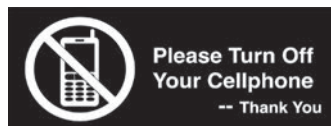
#CXR-13ER | \$15.00



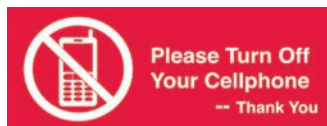
#CXR-13SB | \$15.00



#CXR-13SR | \$15.00



#NCP-24B | \$15.00



#NCP-24R | \$15.00



#XRR-19B | \$15.00



#XRR-19R | \$15.00



#CRA-15 | \$20.00



#CRA-16 | \$20.00



#CRA-17 | \$15.00



#CRA-18 | \$15.00

MORE OPTIONS AVAILABLE ONLINE!

Illuminated "In Use" Signs

Lighted sign focuses attention on room status. Not a plug-in sign. Requires hardwired power connection at 120 VAC. Measures 11.5" x 2.5" x 7.75". Available with "X-Ray" or "CT" specific warning signs.

| CAT# | Description | Price |
|--------|---------------------|----------|
| SLU-CT | "CT In Use" Sign | \$265.00 |
| SLU-XR | "X-Ray In Use" Sign | \$178.00 |

MORE OPTIONS AVAILABLE ONLINE!
CUSTOM SIGNS MAY BE AVAILABLE!



Standard Illuminators | [View Boxes](#)

High quality, cost effective illuminators. Includes upper and lower Film Grips. Internal reflectors offer consistent illumination from two 15-watt fluorescent lamps per viewing area. Use as stand alone or wall mounted. Average light intensity is 2000 nits. 6 foot power cord. UL listed.

| CAT# | Style | Dimensions (W x D x H) | Shipping Weight | Price |
|--------|--------|------------------------|-----------------|----------|
| VBS-10 | Single | 14" x 3.5" x 21.75" | 17 lbs | \$350.00 |
| VBD-20 | Double | 28" x 3.5" x 21.75" | 34 lbs | \$656.00 |



Ultra-Slim Illuminators

These **Techno-Vision** illuminators feature an ultra-slim design under 2" thick! Over 90% light uniformity from edge to edge. Extra long lamp life at 50,000 hours! Available in single and double bank styles. Average light intensity is 5000 nits. 6 foot power cord. UL listed. Includes film activated switch.

| CAT# | Style | Dimensions (W x D x H) | Price |
|--------|--------|------------------------|------------|
| VVS-11 | Single | 21" x 1 9/16" x 20.25" | \$606.00 |
| VVD-21 | Double | 35" x 1 9/16" x 20.25" | \$1,148.00 |





ADMINISTRATION/MANUFACTURING

7117 Centennial Blvd. Nashville, TN 37209

Orders can be placed online or sent to orders@techno-aide.com

For official Quotes: quotes@techno-aide.com

Any questions can be directed to customerservice@techno-aide.com

P: 800.251.2629 or 615.350.7030

F: 800.554.6275 or 615.350.7879

techno-aide.com