MAILSECUR®

# Detect Drugs and Contraband That other screening technologies miss

## Quick, accurate detection of dangerous substances in the form of powders, liquids, treated papers and contraband

The MailSecur® imaging solution fills a critical gap not addressed by traditional screening technologies – the detection of illegal narcotics, synthetics, chemical intoxicants and contraband infiltrating correctional facilities nationwide. The reliance on postal mail and intake areas as a means to smuggle contraband to incarcerated persons is rising due to constitutional restrictions of legal mail, the high substance disorder rates and financial gains in reselling contraband. MailSecur uses T-rays to allow corrections personnel to "see inside" letters, packages and soft objects to detect threats that X-ray and other approaches can't find. Operators view a live, 3D video of the object and can physically manipulate the item to gain alternate views. Remote support, training and image verification are built-in with around the clock access to narcotics experts for analysis and support.

### Operational Advantage

- ✓ Easy to use, simple, and intuitive solution that is lightweight, portable, and set up in 10 minutes.
- ✓ Keep staff safe by detecting drugs and contraband without opening the item.
- ✓ Decrease inmate interaction and time screening and processing mail.
- ✓ Reduce manpower burden for mail screening.
- ✓ Scalable, and quickly deployable with operator training completed in under 4 hours
- ✓ T-rays are safe for the operator and eliminates the need for radiation permits, licensing, and safety programs needed for traditional X-ray scanners.
- ✓ Optional cart and battery pack for mobile screening.

**4 OF THE 5 LARGEST US COMPANIES, MAJOR GOVERNMENT AGENCIES AND STATE DOCs ARE PROTECTED BY**

MAILSECUR®

### Detect Drugs and Contraband:

- ✓ Suboxone strips.
- ✓ Drug-laced papers: K2/K3, THC, Raid, other chemicals.
- ✓ Powder or liquid forms: methamphetamine, opioids, cocaine, heroin and synthetic marijuana.
- ✓ Sharps, weapons, currency, and small electronics including cell phones USB connectors, and SIM cards.
- ✓ **National Crime Lab:** Staff was nearly overrun with powder threats, and frequently exposed to dangerous substances. With MailSecur the lab team were quickly and safely detecting powders and traces of liquid, and was able to get operations back on track.

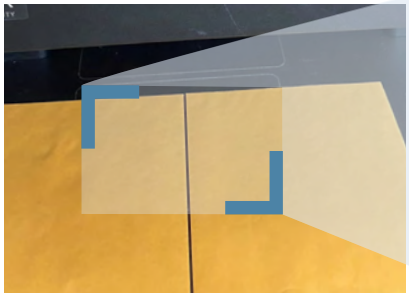
  Learn more

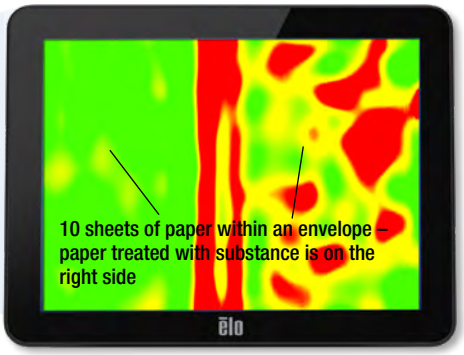
- ✓ **Major State DOC:** Deploying MailSecur improved detection of illegal drugs and contraband, reduced the entry of dangerous substances into the general population and limited the need for inmate movement.

  Learn more

## Laced Papers

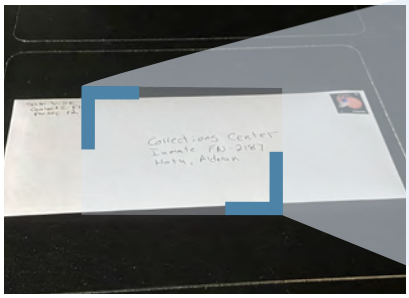
Paper sprayed with a toxic or narcotic substance and allowed to dry may be imperceptible to the human eye. MailSecur detects the changes that occur to the paper and displays the affected areas as a darker color gradient, making it easy to detect chemically-altered papers, concealed within envelopes and packaging, including K2, K3, THC, Raid, and other chem.

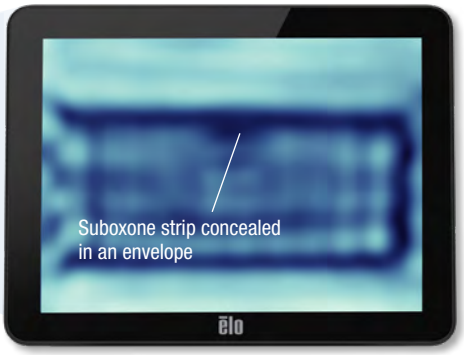





## Suboxone Strips

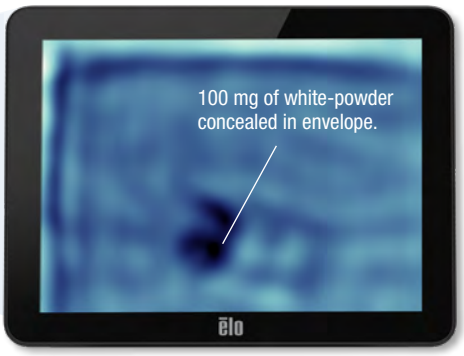
The small, thin film strips are easy to conceal in almost any type of mail, even under postage stamps. However, the sensitivity of the T-ray scanning technology detects the change in the paper and displays the strip as a darker color.





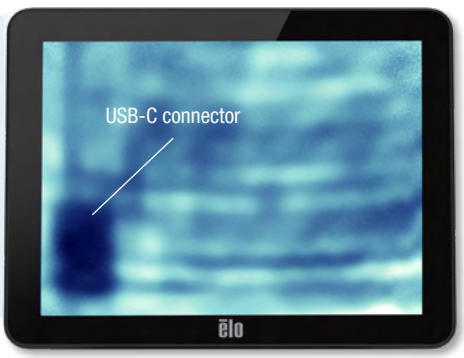

## Powders

The small quantity of powders placed in envelopes makes it difficult or impossible for other technologies to detect. With the live 4D video provided by MailSecur, an operator can physically move the envelope and see the actual grains of powder moving within the mail item.




## Contraband

Micro devices, such as a USB-C connector, SIM cards, memory cards, and similar items can be missed during both a manual inspection or X-ray screen due to their small size. However, the 3x optical zoom camera on the MailSecur makes its presence clear.



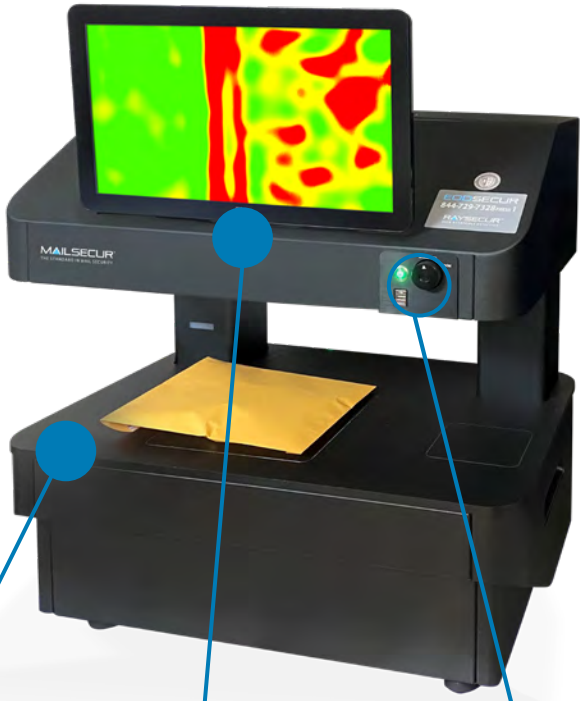
# Intuitive Operation

MailSecur scanners have 10x greater resolution than mmWave scanners used in airports. It is also superior to X-ray machines for mail scanning, detecting more threat types, including powders and liquids with 300x higher image sensitivity.

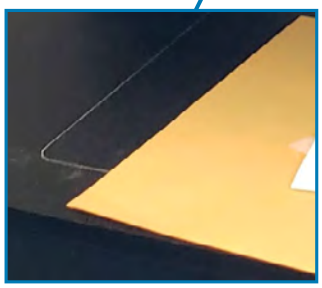
- ✓ There are two scanning areas for dual mode T-ray imaging:
  - Wide-format for an overall view of the object
  - 3x optical zoom for detailed inspection
- ✓ Adjustable monitor and touch screen UI.
- ✓ Integrated radiation and metal detectors.
- ✓ Designed as a compact tabletop unit weighing only 70 pounds, awith standard power requirements.
- ✓ Because the T-ray technology is safe operators can touch and manipulate the item during screening to gain a real-time view of concealed items from all angles
- ✓ Image and video capture capabilities allow operators to save findings for auditing or reporting needs.
- ✓ Network capabilities enable 24x365 remote EODSecur expert support in real-time.
- ✓ Configurable as a fully mobile unit with battery pack.

**Fully mobile screening option**

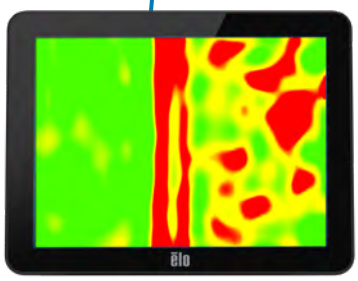
MailSecur integrated into heavy-duty plastic cart for mobile screening applications.


Typical Items Scanned

Main Screening Deck



Touchscreen Monitor


Zoom Selector

**Technology**

- ✓ DHS Safety Act Designated Qualified Anti-Terror Technology
- ✓ Exclusive 3D real-time video of concealed contents within unopened mail and personal items.
- ✓ Detect and identify the smallest and hardest to find threats such as treated papers, suboxone strips, powders, liquids, and other contraband concealed in envelopes, packages and inmate personal items.

## Experts On-Demand Remote Support When You Need It

RaySecur's EODSecur service boosts customers' detection capabilities with 24x365 on-demand access to a team of highly-trained experts with extensive military and law enforcement backgrounds in identifying and remediating dangerous substances, including drugs, explosives, contraband, weapons, and hazardous materials. With a simple phone call, a EODSecur team member will walk you through validation and provide guidance on how to address with the goal of keeping your operations and staff safe from harm.

EODSECUR™

## Desktop Mail Scanner Technical Specifications

| | |
|---|---|
| Terahertz (T-ray) Technology | Safe, non-ionizing, active T-ray (THz) Imaging System<br>Supports real-time user interaction with screened items |
| Frequency Range | 280GHz nominal with 10GHz sweep range |
| Imaging Systems | Multi-pixel, real-time T-ray camera for non-invasive imaging of screened items<br>HD 1080P optical camera for external imaging of screened items |
| Zoom | 3X Optical zoom |
| Field of View | Dual zone supports standard and zoom +/- 10% nominal<br>Standard field of view: 9.25 in x 6.75 in (23.5 cm x 17.15 cm)<br>Zoom field of view: 2.75 in x 2.5 in (6.99 cm x 6.35 cm) |
| Image Processing | Multiple imaging and color mapping modes<br>Drug-laced paper enhancement<br>Image Adjustment: Brightness, Standard and Enhanced Contrast |
| Enhanced Detection | Compatible with updates for image processing, machine vision- and AI- based enhanced detection |
| User interface Display | Touchscreen with 1920 x 1080 resolution (16.9:1 aspect ratio) |
| Data Recording | T-ray and optical video and images |
| Metal Detection | Variable sensitivity handheld wand with visual and audible alert |
| Radiation Detection | BETA and GAMMA radiation including visual and audible notification |
| Network Connectivity | Ethernet, Wifi, LTE, capable |
| Peripherals | USB, external DisplayPort |
| Setup Time | Typically < 30 minutes |
| Dimensions | 19.5 in x 32 in x 31.5 in (49.5 cm x 81.3 cm x 80 cm) |
| Weight | 85 Pounds (38.55 kg) |
| Power | Standard 110/220V AC, 5/3A, 50/60Hz with various plug options available |
| Certifications and Designations | ETL/CE/ROHS/WEEE<br>USDHS SAFETY Act Designated Qualified Anti-Terror Technology (QATT) |

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