

# AUTOCLEAR X-ray Inspection Trailer

High Capacity Mobile X-ray to Reveal Explosives, Weapons, Narcotics and other Contraband



RealClear® reveals narcotics in a bottle and bomb components in real time, without lags and delays. autoScale® displays contents at Pentium 4 resolution automatically and without distortion.



Control Screening is the leading worldwide producer of fast, reliable and sophisticated X-ray, Metal and Trace Detection screening systems. Visit us at [www.controlscreening.com](http://www.controlscreening.com). Ask about our mobile and cargo systems. Our advanced systems and options are often integrated, leased or rented.

The self-contained AUTOCLEAR® X-ray Inspection Trailer by Control Screening provides a mobile security system used by airports, seaports and border crossings to meet flexible requirements to screen cargo, packages and checked luggage.

A highway specification US Department of Transportation approved tandem axle trailer is the foundation of our robust and well-equipped mobile system. Double wall construction with 50mm of insulation throughout is used to provide the spacious inspection office with a quiet, temperature regulated environment. A silent super-duty air conditioning unit is mounted on the single piece aluminum roof. The motor generator is isolated and sound proofed. Equipment quality and placement are determined for longevity & reliability. Free from noise and distraction, security operators can concentrate on their inspections. Precision X-ray images of renowned clarity are generated by the system and superbly displayed on flat screen monitors. The well appointed station console is ergonomically adjustable and provides a complete array of image identification and processing features.

## Features

- ➔ 7 KW motor generator set by Onan is provided, with 50 amp service panel, in an isolated housing. 13.5 K BTU roof mount-ed air conditioning unit by Coleman. Others available upon request.
- ➔ Parcel contents are displayed at normal scale, wherever located, automatically and without distortion (autoScale®). RealClear® function reveals components of dense items in realtime without lags or delays.
- ➔ Features Pentium 4, 17" monitor, Multi-Energy Color with Organic/Inorganic Stripping, RealClear®, autoScale®, auto-DensAlert®, auto-Outline®, autoSensing®, autoCal®, Lighten, Help, DensityScan, and Low Density Stripping, among other features.
- ➔ TIP, Training and Image Archiving also available. autoMatalert®, option highlights suspect materials using atomic number and density.
- ➔ autoTracking® guided conveyor belt system never needs adjustment, lowering operating costs.
- ➔ Ask about our mobile van units or our new backscatter plus transmission x-ray option for lower density, more organic threats.
- ➔ autoSensing® eliminates the need for troublesome photosensors or foot-pad switch. Assures 100% screening of thin blades or plastique in courier envelopes or magazines.
- ➔ Interactive training and highly responsive local service. Engineered, made and rigorously tested in the USA to ISO 9001 and regulatory standards.

*Celebrating 65 years of excellence in design & support*

# AUTOCLEAR

[ControlScreening.com](http://ControlScreening.com)

Scintrex® • Federal Labs® • CheckGate® • HandWand® • Dynavision® • RealClear®  
U.S. Canada Europe Middle East Latin America Hong Kong Singapore

# X-ray Inspection Trailer

## Overall Dimensions:

4.24 M (14') x 2.58 M (8.5') trailer

## Inspection Capabilities

Tunnel Size: 39.4" wide (100 cm)  
31.4" high (80 cm) [many other tunnel throughputs available]

Material Penetration: 28-29 mm steel

Contrast Sensitivity: Over 2 million color tones.

Resolution: 40 AWG wire

Conveyor: Height: 27 cm or 10.6" off floor.  
Speed: 48.0 feet per minute; 24 cm per second.  
Reversible. Toggles for easy belt changeover.  
Load conveyor extension end folds up for elevator, or ease of transport.

Pulling Weight: 150 kg (331 lbs) standard; 403.2 kg (887 lbs) option

autoTracking®:

Belt guaranteed to autoTrack for life.

Film Safety:

Guaranteed for high-speed films up to ISO 1600 (33 DIN).

**\*Full autoSensing® without photosensors, moving parts, or footpad.**

**Reduces downtime and assures all magazines, envelopes or items are scanned, no matter how thin. Enhances radiation safety.**

## X-ray Generator

X-ray tube head: Self-contained, shielded tank

High voltage rating: 160 kV, 140 kV Operating Voltage

Duty cycle: 100% with sealed oil bath cooling

Beam orientation: Diagonal

Dose rate per exam: 0.1 mR typical. Lower doses available.

## X-ray Detectors

Surface-mounted, multilayer, fully integrated, high frequency, solid state detectors using high-speed processors and advanced Pentium 4 signal processing with Multi-Energy.

## Video

Standard with color 17" SVGA monitor. High resolution, flicker-free, .25 dot pitch, low rad. monitor, 1600 x 1200 @ 68 Hz and 50-180 Hz vertical frequency. Multi-Energy color included with available second monitor or LCD or larger monitor(s). Displays organics in orange and inorganics in blue, both overlapping in green and very dense objects in black.

## Standard Features

- Multi-Energy organic and inorganic color & stripping
- RealClear®
- autoDensAlert®
- autoTracking®
- autoSensing®
- autoOutline®
- autoScale®
- autoCal®
- Dark & Light enhance
- DensityScan
- Color; Reverse B/W
- High/Low Density & Stripping
- High density
- Help
- Fast (25 second) initial warm-up
- Fully functional, robust, low profile
- Reversible conveyor direction

## Options

- autoMatalert®
- Threat Image Projection (TIP)
- Roller bed or conveyor extensions
- Tropical Humidity Kit
- Image Archiving
- Power conditioner, or UPS
- CE mark or extra pulling power
- Locking metal keypad cover
- kV, mA meter or item counter
- LCD, dual or larger monitor(s)
- Footpad or optical on/off
- Variable height keypad mount
- Table or locking monitor hood
- Dual motors for enhanced conveyor
- Remote; printer or VCR cable
- Built-in training
- Rentals or leases

## Physical Details

X-ray Construction: Unibody heavy gauge epoxy-painted steel construction with stainless steel and aluminum trim and accessories. Stainless steel command center keypad mountable on top or available on side or remote monitor cart or desk.

Environmental Conditions: Temperature range: 23° to 131 °F, 0° F - 40° F (-20° C - 70° C)  
95% non-condensing.

Electrical Power Requirements: Power provided by on-board motor generator set, 7 KW continuous duty with 50 amp service panel.

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**Compliance** Complies with the U.S. Federal Aviation Administration Standards "Use of X-Ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26; the system conforms to the USBRH Performance Standards for Cabinet X-Ray Systems (21 CFR 1020.40). ISO 9001 compliant. Emergency Stop buttons. Cluster LED X-Ray "ON" indicators for lower maintenance. The electrical system conforms to applicable sections of IEC 348 for Electrical Safety and FCC Docket 20780 for Electromagnetic capability.