

# AUTOCLEAR X-ray Inspection

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



RealClear® reveals components of a gun, knife and bomb in real time, without lags and delays.



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 mounted air conditioning unit by Coleman. Others available upon request.
- ➔ 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®, autoDensAlert®, autoOutline®, 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 footpad switch. Assures 100% screening of thin blades or plastique in courier envelopes or magazines, or of bag already in tunnel at start-up.
- ➔ Interactive training and highly responsive local service. Engineered, made and rigorously tested in the USA to ISO 9001 and regulatory standards.

*Celebrating 70 years of excellence in design & support*

AUTOCLEAR  
[autoclearus.com](http://autoclearus.com)

Scintrex® • Federal Labs® • CheckGate® • CPAD • Control Screening  
U.S. Canada France Spain Dubai Latin America Singapore

# X-ray Inspection

## 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: Speed: 48.0 feet per minute; 24 cm per second.  
Reversible. Toggles for easy belt changeover.  
Load conveyor extension end folds up for elevator, and 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, or of bag already in tunnel at start-up. 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 (80° beam divergence)

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, .21 dot pitch, low rad. monitor, 1280 x 1024 video card. Multi-Energy color included with available second monitor or flat screen 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®
- 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
- 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
- Built-in training
- Extra pulling power
- Dual motors for enhanced conveyor
- Remote operation; printer or VCR cable
- Rentals or leases
- autoNet
- TipNet

## Physical Details

X-ray Construction: Unibody heavy gauge epoxy-painted steel construction with stainless steel and aluminum trim and accessories. Corrosion resistant command center keypad mounted on side or available on table.

Environmental Conditions: Temperature range: 32° to 104°F, (0° - 40°C)  
95% non-condensing.

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

[www.autoclearus.com](http://www.autoclearus.com)

## World Headquarters Plant

2 Gardner Road  
Fairfield, NJ 07004-2206 USA  
Tel: + 1 (973) 276-6161  
Fax: + 1 (973) 276-6162  
leads@autoclearus.com

## Western U.S.

nw@autoclearus.com  
sw@autoclearus.com

## Continental Europe

### France

Tel: + 33 2 38 61 97 00  
Fax: + 33 2 38 61 97 01  
eu@autoclearus.com

### Spain, Italy, Mediterranean

Tel/Fax: +34 91 650 89 86  
lghedina@autoclearus.com

## Canada

### Scintrex Trace Plant

300 Parkdale Ave., Ottawa  
Ontario, Canada K1Y 1G2  
Tel: + 1 (613) 224-1061  
Fax: + 1 (613) 224-2603  
info@autoclearus.com

## Asia

Singapore  
asia@autoclearus.com

## Latina/América Central

Dominican Republic  
latina@autoclearus.com

## Middle East

Dubai, UAE  
Tel: + 971 6 557 4505  
Fax: + 971 6 557 4507  
me@autoclearus.com

## Distributor:

ISO 9001-2000 registered

[www.autoclearus.com](http://www.autoclearus.com)  
[www.tracedetection.com](http://www.tracedetection.com) [www.fed-labs.com](http://www.fed-labs.com)

Celebrating 70 years of excellence in design & support

AUTOCLEAR  
autoclearus.com

Scintrex® • Federal Labs® • CheckGate® • CPAD • Control Screening  
U.S. Canada France Spain Dubai Latin America Singapore