

autoClear® 6040

High Capacity Parcel X-ray Scanner for Explosives, Weapons & Narcotics



Sharp 32-bit imaging and RealClear® are standard. Multi-Energy, Threat Image Projection, Image Archiving, Built-in Training and Material Marking® are popular options.

KEYPAD PHOTO

User-friendly, ergonomic and fully-featured operator control panel.

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. Ask about our mobile and larger tunnel systems. Our advanced systems can be readily integrated into existing security arrangements.

The **autoClear® 6040** (featuring a 62 cm W x 42 cm H or 24.4" x 16.5" tunnel opening) is a high capacity, high penetration, compact, heavy-duty, conveyORIZED X-ray scanner designed to inspect carry-on bags, brief-cases, mail trays and parcels. Ideal for use at:

**Airports • Seaports • Courts
Customs • Corporate Facilities
Government Buildings
Checkpoints • Loading Docks
Mailrooms • Corrections Facilities
Nuclear • Access Control
Special Events • Hospitals
Rail or Bus Stations
Police Stations • Military Bases**

Features

- ➔ autoTracking® guided conveyor belt system never needs adjustment.
- ➔ Full autoSensing® eliminates the need for troublesome photosensors or footpad switch. Assures 100% screening of thin items, such as magazines or courier envelopes.
- ➔ Narrow footprint enhances security and conveniently fits in elevators and tight spaces; conveyor end folds up for transport.
- ➔ All models feature Color, RealClear®, autoDensity Alert, 64X Smart Zoom, Lighten, Help, Scan Enhancement, and Density Stripping, among other features.
- ➔ Compact version (above) or airport version with extended conveyor(s).
- ➔ Multi-Energy with Organic/Inorganic Stripping, and Material Marking® option automatically highlights suspected items by combining atomic number range and density, for higher discrimination. TIP Training and Image Archiving also available.
- ➔ Interactive training and highly responsive service at all times. Engineered, made and rigorously tested in the USA to ISO 9001 and regulatory standards.

Celebrating 75 years of excellence in design and service

Control Screening

AutoClear® • Scintrex® • Federal Labs® • CheckGate® • HandWand® • Dynavision®
U.S. Canada U.K. France Middle East Latin America Hong Kong Singapore

Model 6040 X-ray Specifications

Overall Dimensions:

60.6" L x 32.8" W x 49.8" H

Inspection Capability

Tunnel Size:

24.4" wide (62 cm)
16.5" high (42 cm)
L-shaped detector for 100% package screening.

Material Penetration:

28+ mm typical

Contrast Sensitivity:

2 million color tones with 24/32-bit system.

Resolution:

38 AWG wire minimum, 40 AWG typical (#30 AWG through 7th step of aluminum stepwedge).

Pulling Weight:

145 kg (320 lbs) (Higher pulling weights available).

Conveyor:

48 feet per minute at 60 Hz. 24 cm per second.
Reverse capability included. Standard conveyor pictured on reverse. Extended conveyor length, Model 6040E (variable length entrance and exit bed). Toggles for easy belt changeover. Load conveyor extension end is rounded and folds up for elevator, or ease of transport.

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

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

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

X-ray Detectors

Surface-mounted, multilayer, fully integrated, high frequency, with solid state detectors individually amplified using high-speed processors with advanced digital signal processing for superior picture quality. 24/32-bit electronics available.

Video

Standard with 17" color monitor. High resolution, flicker-free, .28 dot pitch, low rad. monitor, 1280 x 1024. Standard Dynagraphy® color is based on object density. Multi-Energy color option available with one or two monitors, displays organics in orange and inorganics in green and blue.

Operator Features:

- RealClear®
- 64X Smart Zoom
- High Density
- autoDensity Alert
- High/Low Density Stripping

- Color
- Inverse B/W
- Dark & Light Enhancements
- Scan Enhancement
- B/W Edge Enhancement
- Conveyor Direction

Custom Options

- Multi-Energy (M) organic and inorganic material identification
- Material Marking®
- Threat Image Projection (TIP)
- Roller bed or conveyor extensions
- Tropical Humidity Kit

- Image Archiving
- Built-in training
- Power conditioner, or UPS
- Locking monitor hood
- Locking metal keypad cover
- kV, mA meter or item counter
- LCD, dual or larger monitor(s)

System Features:

- autoTracking® of belt
- Full autoSensing®
- Fast (25-second) warm-up

- Variable height keypad mount
- Custom cabinet colors or image palettes
- CE marking
- Remote, printer or VCR hookup

Physical Details

Dimensions:

See drawing

Weight:

650 lbs (442 kg) / 925 lbs (795 kg) crated

Construction:

Unibody heavy gauge painted steel construction with stainless steel and aluminum trim and accessories. Non-marring casters and leveling jackscrews. Stainless steel command center keypad mountable on top or optional on side or remote monitor cart or desk.

Environmental

Temperature range: 23° to 131°F,

Conditions:

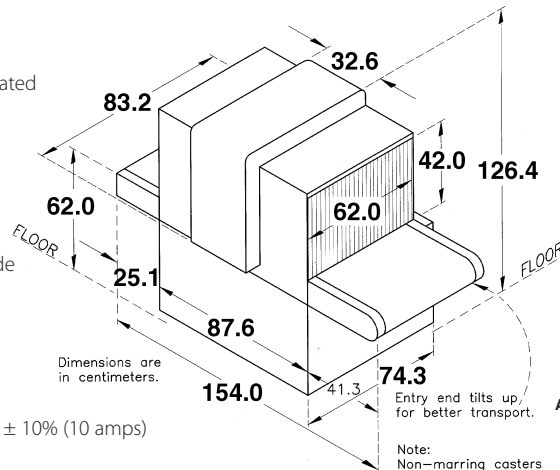
-5° to 55°C • Humidity 20 - 95%, non-condensing.
Storage to 65°C (149°F)

Electrical Power

Consumption: < 1 kVA, 120 volts AC ± 10% (10 amps)

Requirements:

220 volts AC ± 10% (5 amps)



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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.