



**Control
Screening**

DYNAVISION® 6550

High Capacity Parcel X-ray Scanner



*Now available with ultra sharp 24/32 bit
Imaging; TIP and Image Archiving.*

(shown with optional rollerbed)

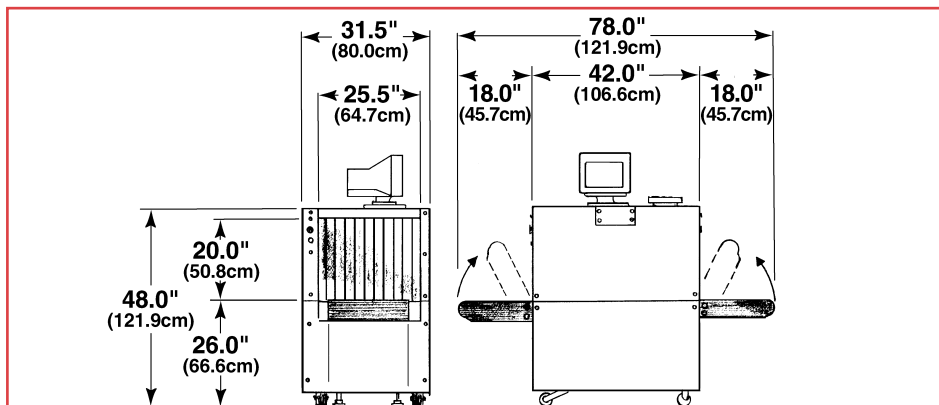
Control Screening is the leading worldwide producer of reliable, sophisticated X-ray, Metal and Trace Detection screening systems. Visit us at www.controlscreening.com. Ask about our mobile and larger tunnel systems. Our advanced systems can be readily integrated into existing security arrangements.

DYNAVISION® 6550 is a high capacity & penetration compact heavy duty-conveyorized X-ray scanner designed to inspect carry-on bags, briefcases, purses, mail trays and parcels. Designed for use in:

Airports • Seaports • Courts • Hospitals • Agricultural
Corporate Facilities • Government Buildings • Inspection
Mailrooms • Loading Docks • Corrections
Nuclear Power Stations • Special Events • Rentals

- Engineered with advanced technology for the detection of weapons, explosives, drugs, contraband, and today's more sophisticated threat items.
- Features larger tunnel opening 65 cm W x 50 H (25.5" x 20.0").
- Conveniently fits through 32" wide doorway, in elevators and tight spaces; both conveyor ends fold up.
- Proven reliability and excellent X-ray imaging, robust, user friendly controls and features.
- Multi-Energy® Option distinguishes plastic explosives, narcotics and other organics from guns, knives and other inorganics using different colors, and can instantaneously strip either organics or inorganic from the image for better clarity.
- Material Marking® option to Multi-Energy® automatically highlights suspected items by combining atomic number range and density, for even better discrimination.
- Standard compact version or airport version with extended conveyor or high speed exit conveyors. Available with high resolution Dynagraphy™ or Multi-Energy® color imaging.
- Patented automatic, guided conveyor belt system never needs adjustment.
- Many advanced imaging features included: Dynagraphy™ color, automatic threat alert, multiple zoom, and automatic image, stripping, and penetration enhancements.
- Autosensing™ eliminates troublesome photo-sensors and provides guaranteed 100% screening of thin items such as courier envelopes.
- Interactive training and highly responsive service at all times. Made in the USA.

DYNAVISION® 910 X-ray Scanner



■ INSPECTION CAPABILITY

Tunnel Size: 25.5" wide (64.8cm)
20.0" high (51.3cm)

L-shaped detector array for 100% package screening.

Standard conveyor pictured above. (910)
Extended conveyor length Model 910E
(30" entrance and 60" exit bed length
for 132" L overall).

Penetration: 29-31mm typical with
available scintillation crystals.

Contrast sensitivity: 2 million color tones
with 24/32 bit system.

Resolution: 38 AWG wire #30 AWG
through 7th step aluminum stepwedge.

Conveyor Speed:

48 feet per minute at 60Hz. 14.4 meters per
minute at 50Hz. Reverse capability
included. Autoscan *without* photosensors
Toggles for easy belt changeover.
Conveyor extension ends are rounded
and fold up for elevator, or ease of
transport.

■ VIDEO SYSTEM

Standard with 15" color monitor. High
resolution, flicker free, .28 dot pitch, low
rad. monitor 1280 x 1024. Standard
Dynagraphy™ color is based on object
density. Dual Energy® color option with
dual monitors, displays organics in
orange, and inorganics in green and
blue.

■ X-RAY GENERATOR

Self-contained shielded tank
High voltage rating: 160 kV
Operating voltage: 140 kV
Duty Cycle: 100% with sealed oil
bath cooling
Beam orientation: diagonal
Dose rate per exam: 0.1 mR typical

■ X-RAY DETECTOR

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

■ OPERATOR CONTROLS

Standard Functions:

- Stainless steel command center
with heavy duty switches
- Scan enhancement
- Light & dark enhancement
- Negative/Positive Image
- Data elimination (stripping)
- 2x and 4x zoom
- Automatic threat alert (in red or
white)
- Color - On/Off
- High/low density (selectable)
- Conveyor direction
- Edge enhancement
- High resolution mode
- High penetration mode
- Fast (25 second) warmup time

CUSTOM OPTIONS

- Multi-Energy® (M) organic and
inorganic material identification
- Material Marking
- Threat Image Projection (TIP)
- Roller bed or parcel collector extensions
- Conveyor extensions
- 17" or 20" monitors
- Image Archiving; Remotes
- Tropical kit
- Power conditioning units or UPS
- Locking monitor hood
- Recessed folding command center
- kV, MA meter and item counter
- Custom cabinet colors or image palettes
- Footpad or optical On/Off
- CE marking compliance
- Economical 90 keV generator

■ 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

■ PHYSICAL DETAILS

Dimensions: see drawing
Weight: 753 lbs (342 kg)
1084 lbs (492 kg) crated

Construction: Cantilevered frame,
heavy gauge steel cabinet on casters
with leveling jacks. Stainless steel
command center keypad mountable
on side, top or optional remote
monitor cart or desk.

Environmental Conditions:

Temperature range: 32° to 113°F
0° to 45° C. Humidity 10 - 90%,
non-condensing.

Electrical Power:

Consumption: < 1.0 Kva
120 volts a.c. ± 10% (10 amps)
220 volts a.c. ± 10% (5 amps)

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Due to continuing product improvements, these
specifications are subject to change.

Headquarters Office Corporate & International Sales

Control Screening
2 Gardner Road
Fairfield, NJ 07004-2206 USA

(800) 231-6414

+ (973) 276-6161

Fax: + (973) 276-6162

e-mail: sales@controlscreening.com

website: www.controlscreening.com

State & Local Government Sales

Control Screening
35 W. Pittsburgh St
Greensburg, PA 15601 USA
+ (724) 837-5411 • Fax: + (724) 837-5425
e-mail: pa@controlscreening.com
website: www.controlscreening.com

In Canada

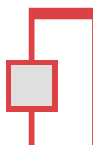
Scintrex Trace Detection
150 Cleopatra Drive, Ottawa, Ontario, K2G 5X2
Tel: + (613) 224-1061 Fax: + (613) 224-3496
trace website: www.tracedetection.com

In Asia

Control Screening - Seacor
20 Harbour Drive, PSA Vista 05-01A,
Singapore, 117612
Tel: + 65 872-1123 Fax: + 65 872-2762
e-mail: asia@controlscreening.com

In Europe

90 Avenue Denis Papin,
Saint-Jean-de-Braye, 45808F France
Tel: + 33 2 38 61 97 00 Fax: + 33 2 38 61 97 01
e-mail: ec@controlscreening.com



www.controlscreening.com www.tracedetection.com

Control Screening

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