PX™ 18.18 200

Palletized Freight and
Cargo X-ray System

Accurate screening of palletized freight

Designed as a freight screening solution for air cargo, Leidos' PX 18.18 200 can also be used in other environments such as seaports, warehouses, manufacturing centers and military bases. The system can reduce the need to unpack contents for inspection, accelerating screening of consolidated cargo in skids and pallets while maintaining a high level of security. With high-powered scanning, operators have the information and flexible controls needed to visually facilitate the identification of explosives, weapons, drugs and misrepresented goods.

The PX 18.18 200 offers a single-view, compact inspection system with penetration and image quality ensured by Leidos' 200 kV X-ray source. The system is configurable, allowing customers to choose either a dual-view configuration or a single-view system that later can be upgraded in the field. The PX 18.18 200 includes a heavy-duty conveyor with narrow pitch rollers designed to facilitate loading and unloading of pallets via forklift.

Compared to smaller and less powerful X-ray systems, the PX 18.18 200 can reduce the number of pallets and skids that need to be broken down for screening, improving the efficiency of the inspection process. By maintaining the integrity of more consolidated freight, the system makes it easier for the operator to confirm the contents of a shipment, detect tampering and facilitate secure storage. Leidos offers a range of additional freight and air cargo inspection systems with a broad range of tunnel sizes, single-and dual-view configurations and several levels of penetration.

APPLICATIONS

- Visual threat detection
- Manifest and declaration verification
- Contraband detection
- Theft prevention

SPECIFICATIONS

GENERAL

Dimensions:
7312 mm (287.9") L x 2897 mm (114.1") W x 2357 mm (92.8") H

Tunnel Opening:
1804 mm (71.0") W x 1804 mm (71.0") H

Conveyor Height: 386 mm (15.2")

Power Requirements:
110 VAC: 96-132 VAC, 60 Hz, 15 Amp max
220 VAC: 183-253 VAC, 50 Hz, 10 Amp max

Conveyor Speed:
0.1 m per sec (20 ft per min) in either direction

Conveyor Capacity:
3000 kg (6614 lb) evenly distributed load

Weight: 4450 kg (9811 lb)

X-RAY

Source: 200 kVp

Duty Cycle: 100%, No warmup required

Cooling:
Sealed di-electric oil bath with forced air

Beam Orientation:
Horizontal sideward

X-ray Sensors:
2432 channels in an (L-shaped) configuration

IMAGING & PERFORMANCE

Resolution:
38 AWG standard, 40 typical

Penetration:
50 mm of steel standard, 52 mm typical

Display Monitor:
24" LCD monitor

ENVIRONMENTAL

Operating Temperature:
0° to 40° C (32° to 104° F)

Storage Temperature:
-20° to 60° C (-4° to 140° F)

Humidity:
Up to 95% Non-condensing

STANDARD FEATURES

- 6 color imaging
- Auto image archiving (150,000 images)
- High penetration function
- Continuous scanning
- Picture perfect
- Network ready
- Multi-language support
- Real-time image manipulation
- Low conveyor height

OPTIONAL FEATURES

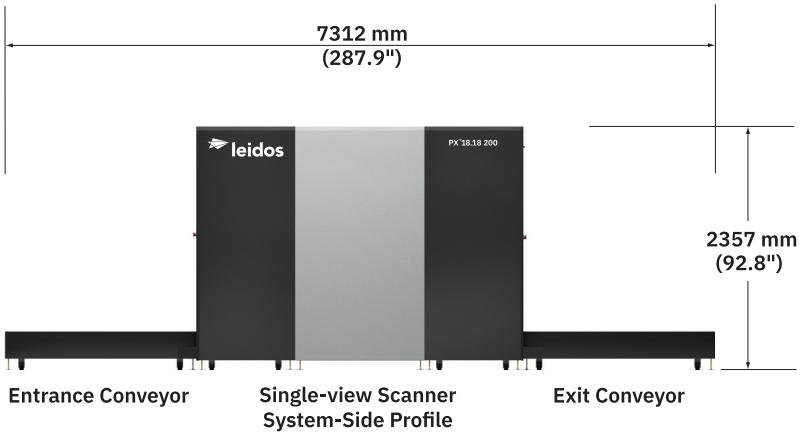
- Threat Image Projection (TIP)
- Operator Assist® (OA)
- Additional multi-language support
- Increased conveyor capacity to 3000 kg (6614 lb) evenly distributed load
- Extended entry/exit roller tables (0.5 m increments)
- Supervisor workstation
- Suspect search station
- Climate kit (warm or cold)

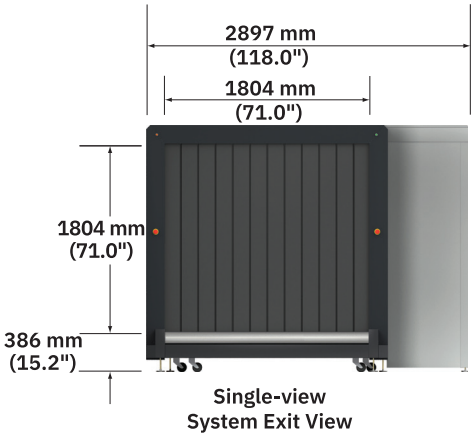
RADIATION SAFETY

Compliant with USFDA, Center for Devices and Radiation Health Standards for Cabinet X-ray Systems (21CFR1020.40). Typical leakage radiation is less than 0.1 mR/hr compared to maximum of 0.5 mR/hr permitted by the federal standard.

DESIGN POLICY

Leidos reserves the right to change specifications in the course of continuous improvement. Specifications are provided for reference only and actual equipment may differ slightly from the description given. Typical dimensions are within ± 5% of nominal values.





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