



X-Ray Baggage and Cargo Scanners Specification Sheet

Tunnel scanners from 500 x 300 mm mail-room units up to 1510 x 1810 mm palletised cargo systems.

Models in this sheet: VKX100100H Dual-Energy X-Ray Cargo Inspection System, VKJ-BK7555 Backscatter X-Ray Inspection System for Large Baggage, VKJ-BK6040E Backscatter and Dual-Energy X-Ray Inspection System, VKJ-150180D Dual-View Ultra-Large Cargo X-Ray Inspection System, VKJ-150180 Ultra-Large Cargo X-Ray Inspection System, VKJ-100100D Dual-View Dual-Energy Cargo X-Ray Scanner, VKJ-100100 Large Tunnel X-Ray Cargo Scanner, VKJ-8065D Dual-View X-Ray Baggage Scanner for Large Parcels, VKJ-6550F Intelligent Multi-View X-Ray Inspection System, VKJ-6550D Advanced Dual-View X-Ray Scanner, VKJ-6550 Professional X-Ray Baggage Scanner, VKJ-6040D Dual View X-Ray Baggage Scanner, VKJ-5332 Detachable Portable X-Ray Baggage Scanner, VKJ-6040 Professional X-Ray Baggage Scanner with AI, VKJ-5030C High-Penetration X-Ray Baggage Scanner, VKJ-5030A Compact X-Ray Baggage Scanner, XIBS 10080C X-Ray Inspection Scanner, 8065A X-Ray Luggage Scanner, XIBS 6550A Security Inspection X-Ray Machine, XIS 5030A High-Definition X-Ray Baggage Scanner, 6550C X-Ray Baggage Scanner, XIS-5030C X-Ray Baggage Scanner, Averguard 10080D Dual-View X-Ray Luggage Scanner

Figures in this document are those published by the factory for each model. Where a value is shown as TBC it is not published, and we confirm it with the factory before order rather than estimate it. Specifications are subject to change without notice.

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1. VKX100100H Dual-Energy X-Ray Cargo Inspection System

The VKX100100H is sized for what a normal baggage scanner turns away: a 1005 x 1005 mm tunnel taking 250 kg evenly distributed, penetrating 38 mm or more of steel from a 160 kV adjustable tube. Sealed oil cooling with fan heat dissipation gives a 100% duty cycle, which is what a sorting centre running all shift actually needs.

Key benefits

- 1005 x 1005 mm tunnel with a 250 kg evenly distributed conveyor load
- 100% duty cycle from sealed oil cooling with industrial fan dissipation
- 38 mm or more steel penetration at 38 AWG wire resolution
- Leakage under 0.5 microgray per hour at 5 cm from the shell
- Modular architecture improves interference resistance and serviceability

Specification

Tunnel Size	1005 x 1005 mm
Conveyor Speed	0.22 m/s
Maximum Load	250 kg evenly distributed
Penetration	38 mm steel plate or more
Wire Resolution	38 AWG or better
Spatial Resolution	horizontal and vertical 1.0 mm
Conveyor Height	705 mm
Tube Voltage	160 kV adjustable
Tube Current	0.6 to 1.2 mA adjustable
Cooling and Duty Cycle	Sealed oil cooling with fan dissipation, 100% duty cycle
Leakage Dose Rate	under 0.5 microgray/h at 5 cm from the shell
Single Dose	under 5.0 microgray
Net Weight	1200 kg
Maximum Power Consumption	0.8 kW
Power Supply	AC 220 V plus or minus 10%, 60 Hz plus or minus 5%
Noise Level	under 58 dB(A)

2. VKJ-BK7555 Backscatter X-Ray Inspection System for Large Baggage

The VKJ-BK7555 runs backscatter and transmission imaging together through a 755 x 555 mm tunnel. Transmission gives the penetration view of dense contents; backscatter is what makes organic and low-Z material stand out, which transmission-only systems tend to under-represent. Between them an operator assesses a large parcel without opening it.

Key benefits

- Backscatter and transmission imaging in one pass on the same item
- 755 x 555 mm tunnel takes oversized luggage and bulk parcels
- Backscatter highlights organic and low-Z contents
- Multi-energy colour classification by effective atomic number
- 30 to 38 mm steel penetration at 40 AWG wire resolution

Specification

Tunnel Size	755 x 555 mm
Steel Penetration	30 to 38 mm

Tube Voltage	140 to 160 kV
Wire Resolution	40 AWG
Penetration Resolution	34 AWG
Display	17-inch HD LCD
Image Storage	100,000 images or more
Imaging Technology	Backscatter plus transmission
Material Differentiation	Multi-energy colour classification

3. VKJ-BK6040E Backscatter and Dual-Energy X-Ray Inspection System

The VKJ-BK6040E pairs dual-energy transmission with backscatter detection on a linear-array multi-energy detector. The two views can be shown together or separately, so an operator sees dense contents and low-density organic material in the same scan rather than choosing between them. The 615 x 454 mm tunnel is sized for parcels, bags and hand-carried items.

Key benefits

- Transmission and backscatter views shown together or independently
- Linear-array multi-energy detector captures both signals
- Reveals low-density and organic material transmission alone may miss
- Colour-coded classification by effective atomic number
- Low 0.5 kVA power consumption

Specification

Tunnel Size	615 x 454 mm
Steel Penetration	30 mm at 140 kV, 38 mm at 160 kV
Wire Resolution	40 AWG
Penetration Resolution	32 AWG
Tube Voltage	140 to 160 kV
Tube Current	0.4 to 0.7 mA
Power Consumption	0.5 kVA
Image Storage	100,000 images or more
Imaging Technology	Backscatter plus dual-energy transmission
Detector Type	Linear-array multi-energy

4. VKJ-150180D Dual-View Ultra-Large Cargo X-Ray Inspection System

The VKJ-150180D takes palletised freight and bulk shipments through a 1510 x 1810 mm opening and images them from two angles in a single pass. Two configurations are available, top-bottom or side-side, so the view pair can be matched to how cargo actually presents on the line. Penetration is 46 mm of steel at 200 kV and 58 mm at 260 kV.

Key benefits

- 1510 x 1810 mm tunnel takes palletised and large-format cargo
- Two orthogonal views in a single pass, removing most re-scanning
- Top-bottom or side-side dual-view configuration to suit the workflow
- 46 mm steel penetration at 200 kV, 58 mm at 260 kV
- X-ray leakage below 0.1 microgray per hour

Specification

Tunnel Size	1510 x 1810 mm
Steel Penetration	46 mm at 200 kV, 58 mm at 260 kV
Wire Resolution	40 AWG
Penetration Resolution	30 AWG
X-Ray Leakage	under 0.1 microgray/h
Tube Voltage	200 kV
Tube Current	1.0 mA
Image Storage	100,000 images or more
Imaging Modes	Dual view, top-bottom or side-side

5. VKJ-150180 Ultra-Large Cargo X-Ray Inspection System

The VKJ-150180 is the single-view version of the ultra-large cargo platform: the same 1510 x 1810 mm tunnel that takes a loaded pallet, in a 3.5-ton heavy-duty system built for logistics hubs and pallet inspection. Where two imaging chains are not required, it covers the same cargo envelope at lower cost and complexity.

Key benefits

- 1510 x 1810 mm tunnel accepts palletised cargo without breaking it down
- 3.5-ton heavy-duty construction built for continuous logistics use
- Single-view configuration where dual-view coverage is not required
- Shares its cargo envelope with the dual-view VKJ-150180D

Specification

Tunnel Size	1510 x 1810 mm
System Weight	approximately 3.5 tons
Imaging	Single view
Steel Penetration	TBC - confirm with the supplier for your cargo density
Tube Voltage	TBC - confirm at quotation
Conveyor Load	TBC - confirm against your pallet weight

6. VKJ-100100D Dual-View Dual-Energy Cargo X-Ray Scanner

The VKJ-100100D images oversized parcels and palletised goods from both top-bottom and side-side through a 1005 x 1005 mm tunnel, with dual-energy material differentiation on top. Penetration is 40 mm of steel from a 100 to 160 kV adjustable generator, and leakage stays below 0.1 microgray per hour. Conveyor load is 200 kg at 0.20 m/s.

Key benefits

- Top-bottom and side-side X-ray generation on the same item
- 40 mm steel penetration from a 100 to 160 kV adjustable output
- Leakage dose below 0.1 microgray per hour
- 40 AWG wire resolution and 32 AWG penetration resolution
- Industrial PLC control with an ergonomic review platform

Specification

Dimensions	3782 x 1695 x 1743 mm
Tunnel Size	1005 x 1005 mm
Conveyor Speed	0.20 plus or minus 0.02 m/s
Maximum Conveyor Load	200 kg

Penetration	40 mm steel plate
Wire Resolution	40 AWG or better
Penetration Resolution	32 AWG or better
Single Inspection Dose	3.0 microgray or less
X-Ray Generator	Top-bottom and side-side, 100 to 160 kV adjustable
Tube Current	0.4 to 1.2 mA adjustable
Leakage Dose Rate	under 0.1 microgray/h
Image Storage	more than 100,000 images

7. VKJ-100100 Large Tunnel X-Ray Cargo Scanner

The VKJ-100100 gives a 1005 x 1005 mm tunnel in a single-view system weighing 771 kg and drawing 0.8 kVA, which makes it far easier to site inside an existing warehouse than a dual-source machine. Penetration is 30 mm of steel at 140 kV and 34 mm at 160 kV, with a 304 mm conveyor height.

Key benefits

- 1005 x 1005 mm tunnel for oversized luggage, parcels and freight
- 771 kg and 0.8 kVA, practical to site in an existing building
- 30 mm steel at 140 kV rising to 34 mm at 160 kV
- 40 AWG wire resolution and 32 AWG penetration resolution
- Low 304 mm conveyor height for easy loading of heavy items

Specification

Dimensions	3450 x 1365 x 1744 mm
Tunnel Size	1005 x 1005 mm
Conveyor Speed	0.20 to 0.22 m/s
Conveyor Height	304 mm
Weight	771 kg
Penetration	30 mm steel at 140 kV, 34 mm at 160 kV
Wire Resolution	40 AWG
Penetration Resolution	32 AWG
X-Ray Generator	Top-bottom, 140 to 160 kV adjustable, 0.4 to 1.2 mA adjustable
Power Consumption	0.8 kVA
Image Storage	more than 100,000 images

8. VKJ-8065D Dual-View X-Ray Baggage Scanner for Large Parcels

The VKJ-8065D is built for parcel throughput: up to 720 pieces per hour through an 805 x 655 mm tunnel, imaged from top and side angles with dual-energy material colour. AI-assisted recognition and liquid recognition support take some of the load off the operator on a 24-inch HD display.

Key benefits

- Up to 720 pieces per hour pass rate
- Dual-view imaging from top and side angles
- AI-assisted image recognition with liquid recognition support
- 805 x 655 mm tunnel with a 200 kg conveyor load
- 24-inch HD display with organic, inorganic and mixed material colours

Specification

Dimensions	3080 x 1495 x 1393 mm
Tunnel Size	805 x 655 mm
Conveyor Speed	0.20 plus or minus 0.02 m/s
Conveyor Height	304 mm
Conveyor Load	200 kg
Penetration	34 mm steel plate
Wire Resolution	40 AWG
Penetration Resolution	32 AWG
Single Inspection Dose	3.0 microgray or less
Leakage Dose Rate	under 1.0 microgray/h
X-Ray Generator	Top-bottom and side-side, 140 to 160 kV adjustable
Pass Rate	up to 720 pieces per hour
Monitor	24-inch HD LCD

9. VKJ-6550F Intelligent Multi-View X-Ray Inspection System

The VKJ-6550F is the three-source, three-view system in the range. Three viewing angles are shown on three 24-inch HD monitors, and the system automatically identifies and alarms on contraband, explosives and hazardous liquids rather than leaving every call to the operator.

Key benefits

- Three X-ray sources giving three simultaneous views
- Automatic identification and alarm for contraband, explosives and hazardous liquids
- Three 24-inch HD monitors for comprehensive review
- Removes most of the re-scanning a single view forces

Specification

Imaging	Three sources, three views
Automatic Recognition	Contraband, explosives and hazardous liquids
Monitors	Three 24-inch HD
Tunnel Size	TBC - confirm at quotation
Steel Penetration	TBC - confirm at quotation
Tube Voltage	TBC - confirm at quotation

10. VKJ-6550D Advanced Dual-View X-Ray Scanner

The VKJ-6550D combines dual-energy imaging with dual-view scanning, taking both a bottom and a side view of the same item. Two angles on one pass is what raises detection accuracy on packed bags, which is why it is aimed at logistics hubs, customs and higher-risk environments rather than low-volume entrances.

Key benefits

- Bottom and side views captured on the same pass
- Dual-energy imaging for material differentiation
- Higher detection accuracy on densely packed items
- Specified for logistics, customs and high-risk environments

Specification

Imaging	Dual-energy, dual-view (bottom and side)
Tunnel Size	TBC - confirm at quotation
Steel Penetration	TBC - confirm at quotation
Tube Voltage	TBC - confirm at quotation
Conveyor Load	TBC - confirm at quotation

11. VKJ-6550 Professional X-Ray Baggage Scanner

The VKJ-6550 is the general-purpose scanner in the range, with a 655 x 505 mm tunnel that suits normal hand luggage and bags. Automatic image optimisation means an operator is not adjusting settings item by item, which is what keeps a busy transit or hotel entrance moving.

Key benefits

- 655 x 505 mm tunnel sized for hand luggage and bags
- Automatic image optimisation removes per-item adjustment
- Low radiation protection design for public-facing positions
- Built for high-traffic entrances rather than occasional use

Specification

Tunnel Size	655 x 505 mm
Imaging	Single view
Image Handling	Automatic image optimisation
Steel Penetration	TBC - confirm at quotation
Tube Voltage	TBC - confirm at quotation
Conveyor Speed	TBC - confirm at quotation

12. VKJ-6040D Dual View X-Ray Baggage Scanner

The VKJ-6040D is the high-end small-tunnel scanner: dual-view with multi-energy material recognition, AI-assisted threat identification and a 22-inch HD display, holding more than 100,000 images. It is aimed at airports, government buildings and VIP channels where the item stream is small but the consequence of a miss is not.

Key benefits

- Dual-view imaging with multi-energy material recognition
- AI-assisted threat identification supporting the operator
- 22-inch HD display
- Storage for more than 100,000 images
- Specified for airports, government buildings and VIP channels

Specification

Imaging	Dual view with multi-energy material recognition
Operator Assistance	AI-assisted threat identification
Display	22-inch HD
Image Storage	more than 100,000 images
Tunnel Size	TBC - confirm at quotation
Steel Penetration	TBC - confirm at quotation

13. VKJ-5332 Detachable Portable X-Ray Baggage Scanner

The VKJ-5332 separates into parts, which is the whole point of it: a 102 kg scanner that can be carried through a normal door and set up table-top where a full-size machine would never fit. The 531 x 332 mm tunnel handles luggage and parcels at 24 mm steel penetration and 40 AWG wire resolution, drawing only 0.45 kVA.

Key benefits

- Detachable structure for transport, placement and installation in tight spaces
- 102 kg total, light enough to move without lifting equipment
- 531 x 332 mm tunnel for luggage and parcels
- 24 mm steel penetration at 100 kV with 40 AWG wire resolution
- 100% duty cycle from sealed oil cooling at only 0.45 kVA

Specification

Dimensions	1024 x 759 x 812 mm
Tunnel Size	531 x 332 mm
Conveyor Speed	0.20 m/s
Weight	102 kg
Penetration	24 mm steel plate at 100 kV
Wire Resolution	40 AWG
Penetration Resolution	24 AWG
Spatial Resolution	horizontal and vertical 1.0 mm
X-Ray Generator	Top-to-bottom, 100 kV, 0.4 to 0.7 mA adjustable
Cooling and Duty Cycle	Sealed oil cooling, 100%
Power Supply	AC 220 V, 50 Hz
Power Consumption	0.45 kVA
Image Storage	more than 100,000 images

14. VKJ-6040 Professional X-Ray Baggage Scanner with AI

The VKJ-6040 is the mid-size workhorse: a 615 x 454 mm tunnel, up to 43 mm steel penetration at 160 kV, and AI-assisted image judgment with dangerous-liquid recognition support. At 354 kg, under 55 dB and 0.5 kVA it installs in a hotel, school or logistics centre without special provision, on Mitsubishi industrial PLC control.

Key benefits

- 615 x 454 mm tunnel for higher-volume baggage and parcel workflows
- Up to 43 mm steel penetration at 160 kV, 34 mm at 140 kV
- AI-assisted image judgment with dangerous-liquid recognition support
- Under 55 dB and 0.5 kVA, suitable for occupied buildings
- 100% duty cycle from sealed oil cooling

Specification

Dimensions	1845 x 865 x 1313 mm
Tunnel Size	615 x 454 mm
Conveyor Speed	0.20 m/s
Conveyor Height	700 mm
Weight	354 kg
Penetration	34 mm steel at 140 kV, 43 mm at 160 kV

Wire Resolution	40 AWG
Penetration Resolution	34 AWG
Spatial Resolution	horizontal and vertical 1.0 mm
X-Ray Generator	Bottom-to-top, 140 to 160 kV adjustable, 0.4 to 1.25 mA adjustable
Cooling and Duty Cycle	Sealed oil cooling, 100%
Noise	under 55 dB
Power Supply	AC 220 V, 50 Hz
Power Consumption	0.5 kVA
Image Storage	more than 100,000 images

15. VKJ-5030C High-Penetration X-Ray Baggage Scanner

The VKJ-5030C puts 43 mm of steel penetration behind a standard 505 x 305 mm tunnel. That combination matters when bags are normal-sized but densely packed: the tunnel fits any lane, while the 140 to 160 kV adjustable generator sees through what an 80 kV machine cannot. Weight is 302 kg at 0.45 kVA and under 55 dB.

Key benefits

- 43 mm steel penetration at 160 kV in a standard-size tunnel
- 505 x 305 mm opening fits an ordinary screening lane
- Adjustable 140 to 160 kV and 0.4 to 1.25 mA for varied contents
- 302 kg at 0.45 kVA, practical for permanent or event installations
- 100% duty cycle from sealed oil cooling

Specification

Dimensions	1690 x 790 x 1210 mm
Tunnel Size	505 x 305 mm
Conveyor Speed	0.20 m/s
Conveyor Height	752 mm
Weight	302 kg
Penetration	34 mm steel at 140 kV, 43 mm at 160 kV
Wire Resolution	40 AWG
Penetration Resolution	34 AWG
Spatial Resolution	horizontal and vertical 1.0 mm
X-Ray Generator	Bottom-to-top, 140 to 160 kV adjustable, 0.4 to 1.25 mA adjustable
Cooling and Duty Cycle	Sealed oil cooling, 100%
Noise	under 55 dB
Power Supply	AC 220 V, 50 Hz
Power Consumption	0.45 kVA
Image Storage	more than 100,000 images

16. VKJ-5030A Compact X-Ray Baggage Scanner

The VKJ-5030A is the everyday entrance scanner: a 505 x 305 mm tunnel, an 80 kV tube at 0.6 mA, 8 mm steel penetration and 265 kg. Component choice is the notable part of the specification, with Mitsubishi PLC control, ABB, Schneider and Omron electrical parts and Interroll electric rollers, which is what keeps maintenance simple years later.

Key benefits

- 505 x 305 mm tunnel for everyday bag and parcel screening
- Named international components: ABB, Schneider, Omron and Interroll
- Interroll electric rollers for smooth transport and simpler maintenance
- 265 kg at 0.45 kVA and under 55 dB
- 100% duty cycle from sealed oil cooling

Specification

Dimensions	1690 x 790 x 1210 mm
Tunnel Size	505 x 305 mm
Conveyor Speed	0.20 m/s
Conveyor Height	752 mm
Weight	265 kg
Penetration	8 mm steel
Wire Resolution	40 AWG
Penetration Resolution	34 AWG
Spatial Resolution	horizontal and vertical 1.0 mm
X-Ray Generator	Bottom-to-top, 80 kV, 0.6 mA
Cooling and Duty Cycle	Sealed oil cooling, 100%
Noise	under 55 dB
Power Supply	AC 220 V, 50 Hz
Power Consumption	0.45 kVA
Image Storage	more than 100,000 images

17. XIBS 10080C X-Ray Inspection Scanner

The 10080C is the large-tunnel scanner in the XIBS line: 100 cm wide by 80 cm high, 200 kg load, 0.23 m/s belt and 32 mm steel penetration from a 140 kV generator. Storage runs to over 1.5 million images, and radiation figures are stated against GB15208.1-2018, with four-layer lead curtains at entry and exit.

Key benefits

- 100 x 80 cm tunnel with a 200 kg maximum load
- 32 mm steel penetration with 0.0787 mm wire resolution
- Over 1.5 million images stored in multiple formats
- Four-layer lead curtains, leakage below 1 microsievert/h at 10 cm
- Compliant with national standard GB15208.1-2018

Specification

Tunnel Size	100 cm wide x 80 cm high
Conveyor Speed	0.23 m/s
Maximum Load	200 kg
Penetration	32 mm steel plate
Wire Resolution	0.0787 mm
Penetration Resolution	0.127 mm
Spatial Resolution	1.0 mm
Tube Voltage	140 kV
Tube Current	0.3 mA

Single Inspection Dose	below 1 microgray
Leakage Dose Rate	under 1 microsievert/h at 10 cm from the surface
Standard	GB15208.1-2018
Lead Curtains	Four layers
Image Storage	over 1.5 million images
Monitor	19-inch LCD with dedicated keyboard

18. 8065A X-Ray Luggage Scanner

The 8065A covers an 80 x 65 cm tunnel at 200 kg load with 11 mm steel penetration, and stores over 2.5 million images on a 500 GB industrial host. Bi-directional scanning is available as an option, which matters where the lane has to run both ways rather than being rebuilt. The L-shaped detector array and oil-plus-fan cooled generator are built for continuous traffic.

Key benefits

- 80 x 65 cm tunnel with a 200 kg load capacity
- Over 2.5 million images on a 500 GB industrial host
- Optional bi-directional scanning without loss of image quality
- Intelligent energy-saving roller and automatic calibration
- Dual-layer lead curtains with leakage under 1 microsievert/h at 10 cm

Specification

Tunnel Size	80 cm wide x 65 cm high
Conveyor Speed	0.23 m/s
Maximum Load	200 kg
Penetration	11 mm steel
Wire Resolution	0.0787 mm
Penetration Resolution	0.127 mm
Spatial Resolution	1.0 mm
Tube Voltage	80 kV
Tube Current	0.6 mA
Single Inspection Dose	below 1 microgray
Leakage Dose Rate	under 1 microsievert/h at 10 cm from the surface
Lead Curtains	Dual layer
Storage	500 GB, over 2.5 million images
Monitor	19-inch LCD with independent operating console

19. XIBS 6550A Security Inspection X-Ray Machine

The 6550A is the standard passenger-checkpoint machine: a 65 x 50 cm tunnel, 100 kg load, 11 mm steel penetration from an 80 kV generator at 0.6 mA. Where it goes further than most is image handling, with high and low penetration views, local and edge enhancement, brightness and darkness adjustment, and organic/inorganic differentiation all on one console.

Key benefits

- Fifteen image display and adjustment modes including edge and local enhancement
- 65 x 50 cm tunnel with 100 kg load
- Over 2.5 million images on a 500 GB industrial host

- Optional bi-directional scanning in forward and reverse
- Compliant with GB15208.1-2018, leakage under 1 microsievert/h at 10 cm

Specification

Tunnel Size	65 cm wide x 50 cm high
Conveyor Speed	0.23 m/s, adjustable up to 0.25 m/s
Maximum Load	100 kg
Penetration	up to 11 mm steel plate
Wire Resolution	0.0787 mm metal wire
Penetration Resolution	0.127 mm metal wire
Spatial Resolution	1.0 mm
Tube Voltage	80 kV
Tube Current	0.6 mA adjustable
Single Inspection Dose	less than 1 microgray
Leakage Dose Rate	under 1 microsievert/h at 10 cm from the surface
Standard	GB15208.1-2018
Lead Curtains	Double layer at entry and exit
Storage	500 GB, over 2.5 million images
Monitor	19-inch LCD with VGA interface and independent console

20. XIS 5030A High-Definition X-Ray Baggage Scanner

The 5030A is the small-footprint scanner for hotel and enterprise entrances, with a 50 x 30 cm tunnel and 100 kg load, penetrating 11 mm of steel. Its build details are what make it last in a lobby: a laser-cut, powder-coated frame for corrosion resistance, a DC 24 V silent linear roller and an embedded industrial motherboard with a 500 GB drive.

Key benefits

- 50 x 30 cm tunnel suited to hotel and office entrance screening
- 11 mm steel penetration with organic and inorganic differentiation
- Over 2.5 million images on a 500 GB drive
- Silent DC 24 V linear roller, speed adjustable 0 to 0.25 m/s
- Laser-cut powder-coated frame, anti-corrosion and rust-proof

Specification

Tunnel Size	50 cm wide x 30 cm high
Conveyor Speed	0.23 m/s, adjustable 0 to 0.25 m/s
Maximum Load	100 kg
Penetration	11 mm steel plate
Wire Resolution	0.0787 mm
Penetration Resolution	0.127 mm
Spatial Resolution	1.0 mm
Tube Voltage	80 kV
Tube Current	0.6 mA
Single Inspection Dose	less than 1 microgray
Leakage Dose Rate	less than 1 microsievert/h
Standard	GB15208.1-2018
Motor	DC 24 V silent linear electric drum

Storage	500 GB, up to 2.5 million images
Monitor	19-inch LCD with VGA interface

21. 6550C X-Ray Baggage Scanner

The 6550C puts a 140 kV generator behind the standard 65 x 50 cm tunnel, giving 34 mm of steel penetration where the 6550A gives 11 mm. Four-layer lead curtains at entry and exit hold leakage under 1 microsievert per hour, and the 500 GB host stores over 2.5 million images for later review.

Key benefits

- 34 mm steel penetration from a 140 kV generator
- 65 x 50 cm tunnel with a 100 kg load
- Four-layer lead curtains at entrance and exit
- Over 2.5 million images stored in multiple formats
- L-shaped high-definition digital detection panel

Specification

Tunnel Size	65 cm wide x 50 cm high
Conveyor Speed	0.23 m/s, adjustable 0 to 0.25 m/s
Maximum Load	100 kg
Penetration	34 mm steel plate
Wire Resolution	0.0787 mm
Penetration Resolution	0.127 mm
Spatial Resolution	1.0 mm
Tube Voltage	140 kV
Tube Current	0.3 mA
Single Inspection Dose	less than 1 microgray
Leakage Dose Rate	less than 1 microsievert/h
Standard	GB15208.1-2018
Lead Curtains	Four layers at entrance and exit
Storage	500 GB, over 2.5 million images
Monitor	19-inch LCD with dedicated console

22. XIS-5030C X-Ray Baggage Scanner

The XIS-5030C fits a 140 kV generator into the compact 50 x 30 cm tunnel, penetrating 34 mm of steel where the 5030A reaches 11 mm. Four layers of lead curtains and sealed oil plus external air cooling let it run continuously at low energy, and the 500 GB host holds over 2.5 million images.

Key benefits

- 34 mm steel penetration from a 140 kV generator at 0.3 mA
- Compact 50 x 30 cm tunnel for common luggage sizes
- Four layers of lead curtains at entrance and exit
- Sealed oil cooling plus external air cooling for low energy use and long life
- Over 2.5 million images on a 500 GB drive

Specification

Tunnel Size	50 cm wide x 30 cm high
Conveyor Speed	0.23 m/s, adjustable 0 to 0.25 m/s
Maximum Load	100 kg
Penetration	up to 34 mm steel plate
Wire Resolution	0.0787 mm metal wire
Penetration Resolution	0.127 mm metal wire
Spatial Resolution	1.0 mm
Tube Voltage	140 kV
Tube Current	0.3 mA
Cooling	Sealed oil cooling plus external air cooling
Single Inspection Dose	less than 1 microgray
Leakage Dose Rate	less than 1 microsievert/h at 10 cm
Lead Curtains	Four layers at entrance and exit
Storage	500 GB, over 2.5 million images

23. Averguard 10080D Dual-View X-Ray Luggage Scanner

The Averguard 10080D is a low-dose dual-energy, dual-view system with two independent scanning units capturing horizontal and vertical image data at the same time. Because both angles are taken together, the outline is clear no matter how the bag is laid on the belt, which is what removes the overlap problem that produces false negatives and false positives on single-view machines.

Key benefits

- Two independent X-ray scanning units capturing horizontal and vertical views together
- Accurate imaging regardless of how an item is positioned on the belt
- Eliminates the blind spots a single view leaves
- Reduces false negatives and false positives caused by object overlap
- Low-dose dual-energy imaging

Specification

Imaging	Dual-energy, dual-view
Scanning Units	Two independent, horizontal and vertical
Tunnel Size	TBC - confirm at quotation
Steel Penetration	TBC - confirm at quotation
Conveyor Load	TBC - confirm at quotation