

SEE  
THE WORLD  
BEYOND  
THE SEEN

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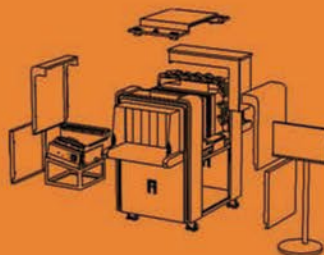


## About AIRISS

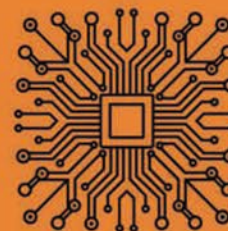
At AIRISS, we specialize in cutting-edge X-ray scanners and technologies dedicated to safeguarding your safety. Our advanced X-ray solutions are designed to save you valuable time and resources. Committed to continuous innovation, AIRISS focuses on developing products that are tailored to meet your specific needs.



Rich Domain Knowledge



Customized Solutions



Continuous Innovation



- 2024. Developed liquid discrimination algorithm, expanded into Asian markets including Taiwan, and diversified product lineup
- 2023. Released the AIXAC-RX6040S X-ray scanner and developed the AIXAC-MATL material discrimination solution
- 2022. Delivered the AIXAC-ADT AI-based auto-threat detection to the Korean National Police
- 2021. Delivered the AIXAC-ADT to the Korean National Police
- 2020. Enhanced the AIXAC-ADT for Korea Customs Service
- 2019. Launched the AIXAC-ADT for Korea Customs Service
- 2018. AIRISS established

## Product Family

Model



### Small Cargo Inspection

- 5030S
- 6040S
- 6040D

Model



### Medium Cargo Inspection

- 7555S
- 7555D

Model



### Large Cargo Inspection

- 100100S
- 100100D
- 180180D(Coming soon)



## AIXAC-ADT (Optional AI Auto Detection of Threats)

- **AIXAC-ADT** : A fundamental AI solution for detecting weapons such as firearms and knives. Available for the AIXAC-RX series in 'S' and 'D' models.
- **AIXAC-ADT Plus**: A customizable AI solution designed to detect concealed drugs, laser pointers, and other specific threats. Available in the advanced 'SA' and 'DA' models.

### Key Benefit



Enhance Security Efficiency



Minimize Human Error



Reduce Training Time

### Product Highlight

#### 1. Identifying Hidden Drugs

**AIXAC-ADT Plus:** Automatically detects concealed drugs in any form—powder, pill, or lump—regardless of hiding location, ensuring precise detection.



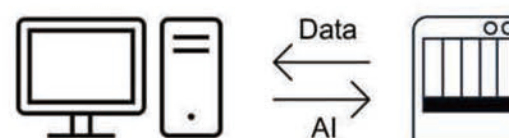
#### 2. Customized AI

**Tailored Solutions:** The auto-detection program is adaptable for various places with customization to address specific needs and threat levels.



#### 3. Continuous Monitoring and Upgrades

**Regular Enhancements:** AIXAC-ADT, utilizing deep learning, is continuously updated to improve identification capabilities and stay ahead of evolving threats.



## AIXAC-MATL

- **AIXAC-MATL:** Distinguishes between three basic substances for general material identification.
- **AIXAC-MATL Plus:** Essential for preventing arson, hydrochloric acid attacks, and liquid bombings. Capable of identifying dangerous liquids, including flammable and corrosive substances. Available in advanced 'SA' and 'DA' models.

### Key Benefit



Enhanced X-ray Operators' Safety



Reduced Unnecessary Complaints



Real-Time Hazard Identification

### Product Highlight

#### Limitations of Existing Material Discrimination

Explosives are displayed in orange, but so are common items like water, gasoline, plastic, and clothing. Color alone cannot differentiate between hazardous materials, such as flammable substances.



#### Liquid-Specific Discrimination

The AIXAC-MATL Plus provides precise identification of dangerous liquids without the need to open containers. It can distinguish between water and gasoline, regardless of the container material. Available in the AIXAC-RX 'SA' and 'DA' models.





## Quality X-ray Images

### X-ray Images Optimized for Evolving Work Environments

X-ray screening has become indispensable in a variety of settings, including airports, public buildings, corporate labs, stadiums, events, hotels, and more.

In environments where identifying small, low-density objects and protecting sensitive information is crucial, it's essential that equipment goes beyond basic detection of knives and guns.

Our X-ray scanners provide high-resolution images that accurately display small devices, such as USBs, and small quantities of drugs, ensuring precise and reliable detection.



## Convenience and Customization

The AIXAC-RX features an intuitive touch monitor that requires minimal training, allowing anyone to master all functions in just 5 minutes, saving both time and money. For added flexibility, a separate controller box is available.

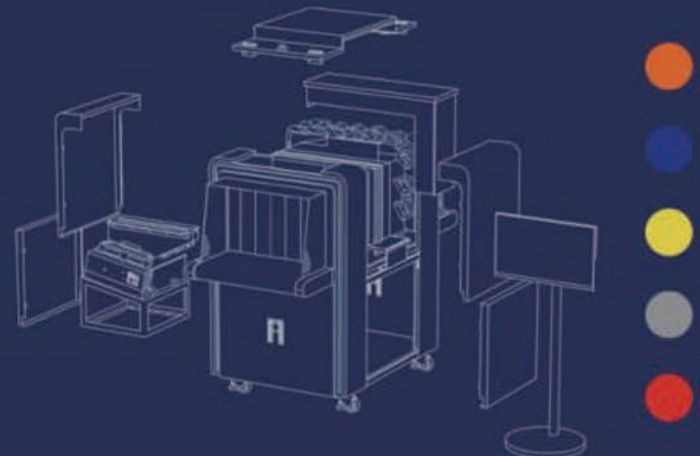
The machine provides consistent performance with automatic dose measurement and calibration.

Customization options are also available, letting you tailor features such as product color and language to your preferences.

**Touch Monitor with  
Intuitive UI  
+  
Optional Keyboard**



**Auto Calibration**



**Customized Language**





## AIXAC-RX5030SA



Ideal for screening small mail and baggage at critical facilities, events.





## Technical Data 5030SA

### Physical Properties

Tunnel Dimensions(W x H)	520X330mm
Dimensions(L x W x H)	1670X830X1130mm
Weight	420kg
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	0.2m/s(Max0.22m/s)

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.0mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Available (Water, Gasoline)
Grey Scale	4096

### Technical

Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 40mm / Typical :40mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Single 24" Touch Control Monitor (2 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

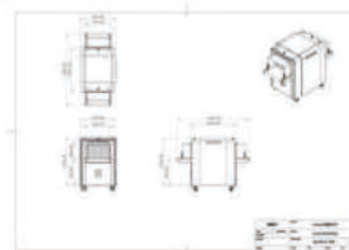
### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### 인증 내용



### 제품 사이즈 표시 도면



## AIXAC-RX6040SB



Ideal for screening small mail and baggage at critical facilities, events.





## Technical Data 6040SB

### Physical Properties

Tunnel Dimensions(W x H)	610X420mm
Dimensions(L x W x H)	1670X860X1300mm
Weight	450kg
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	0.20m/s (Max 0.22m/s)

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.2mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Unavailable
Grey Scale	4096

### Technical

Wire Resolution	Standard : 38AWG / Typical : 38AWG
Steel Penetration	Standard : 30mm / Typical : 30mm
Focal Spot	1.5mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Single 24" Touch Control Monitor (2 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

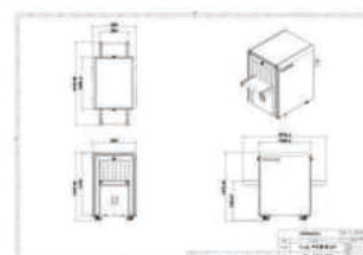
### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications



### Sizes and drawings



## AIXAC-RX6040S



Ideal for screening small mail and baggage at critical facilities, events.





## Technical Data 6040S

### Physical Properties

Tunnel Dimensions(W x H)	610X420mm
Dimensions(L x W x H)	1680X860X1300mm
Weight	450kg
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	0.20m/s (Max 0.22m/s)

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.2mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Unavailable
Grey Scale	4096

### Technical

Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 30mm / Typical : 30mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Single 24" Touch Control Monitor (2 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

### Environmental & Safety

Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications



### Sizes and drawings



## AIXAC-RX6040SA



Ideal for screening small mail and baggage at critical facilities, events.





## Technical Data 6040SA

### Physical Properties

Tunnel Size(W x H)	610X420mm
Dimensions(L x W x H)	1680X860X1300mm
Weight(kg)	450kg
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	0.20m/s (Max 0.22m/s)

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.0mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Available (Water, Gasoline)
Grey Scale	4096

### Technical

Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 30mm / Typical : 30mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Single 24" Touch Control Monitor (2 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications



### Sizes and drawings



## AIXAC-RX6040D



Ideal for screening small mail and baggage at critical facilities, events.





## Technical Data 6040D

### Physical Properties

Tunnel Dimensions(W x H)	610X420mm
Dimensions(L x W x H)	2340X1315X1300mm
Weight	800kg
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	0.20m/s (Max 0.22m/s)

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.0mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Unavailable
Grey Scale	4096

### Technical

Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 35mm / Typical : 35mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Dual 24" Touch Control Monitor (Max 4 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

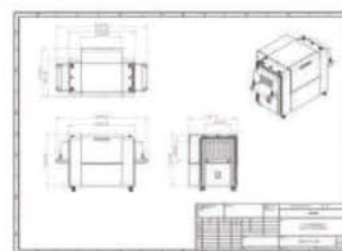
### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications



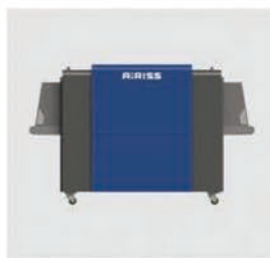
### Sizes and drawings



## AIXAC-RX6040DA



Ideal for screening small mail and baggage at critical facilities, events.



## Technical Data 6040DA

### Physical Properties

Tunnel Dimensions(W x H)	610X420mm
Dimensions(L x W x H)	2340X1315X1300mm
Weight	800kg
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	0.20m/s (Max 0.22m/s)

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.0mA
Beam Direction	Dual / Horizontal and vertical
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Available (Water, Gasoline)
Grey Scale	4096

### Technical

Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 35mm / Typical : 35mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Dual 24" Touch Control Monitor (Max 4 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

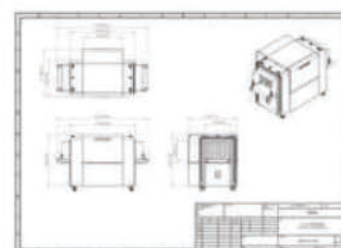
### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications



### Sizes and drawings





AIXAC-RX7555S / SA



Ideal for screening small mail and baggage at critical facilities, events.



**Technical Data 7555S / SA****Physical Properties**

Tunnel Dimensions(W x H)	755X550mm
Dimensions(L x W x H)	1860X990X1500mm
Weight	900kg
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	0.2m/s(Max0.22m/s)

**X-Ray Generator & Image Performance**

Anode Voltage	160kV
Tube Current	1.0mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Available(Water, Gasoline), 'SA' Grade
Grey Scale	4096

**Technical**

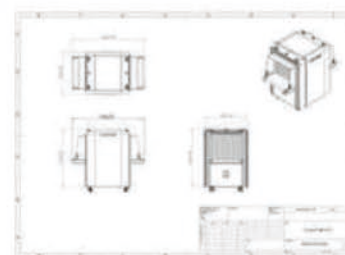
Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 35mm / Typical : 35mm
Focal Spot	0.8mm

**Computer & Video & Electrical**

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Single 24" Touch Control Monitor (2 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

**Environmental & Safety**

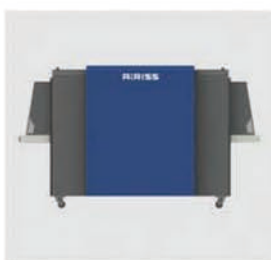
Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

**Certifications****Sizes and drawings**

AIXAC-RX7555D / DA



Ideal for screening small mail and baggage at critical facilities, events.





## Technical Data 7555D / DA

### Physical Properties

Tunnel Dimensions(W x H)	755X550mm
Dimensions(L x W x H)	2600X1450X1500mm
Weight	1000
Conveyor Height	750mm
Conveyor Load Capacity(kg)	160kg
Conveyor Speed	20cm/s

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.0mA
Beam Direction	Dual / Horizontal and vertical
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Available(Water, Gasoline), 'DA' Grade
Grey Scale	4096

### Technical

Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 35mm / Typical : 35mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Dual 24" Touch Control Monitor (Max 4 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

### Environmental & Safety

Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications

To be Released

### Sizes and drawings

To be Released

## AIXAC-RX100100SA



Ideal for medium to large  
import and export cargo inspections.



## Technical Data 100100SA

### Physical Properties

Tunnel Dimensions(W x H)	3760X1600X1900mm
Dimensions(L x W x H)	1000X1000mm
Weight	1200kg
Conveyor Height	350mm
Conveyor Load Capacity(kg)	220kg
Conveyor Speed	20cm/s

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.2mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Available (Water, Gasoline)
Grey Scale	4096

### Technical

Wire Resolution	Standard : 40AWG / Typical : 40AWG
Steel Penetration	Standard : 35mm / Typical : 35mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Single 24" Touch Control Monitor (2 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications

To be Released

### Sizes and drawings

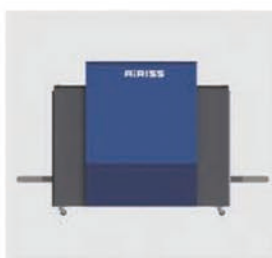
To be Released



## AIXAC-RX100100D



Ideal for medium to large  
import and export cargo inspections.



## Technical Data 100100D

### Physical Properties

Tunnel Dimensions(W x H)	3760X1600X1900mm
Dimensions(L x W x H)	1000X1000mm
Weight	1200kg
Conveyor Height	350mm
Conveyor Load Capacity(kg)	220kg
Conveyor Speed	20cm/s

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.2mA
Beam Direction	Diagonal (Single)
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Unavailable
Grey Scale	4096

### Technical

Wire Resolution	[View A] Standard : 38AWG(0.1mm) / [View B] Standard : 36AWG(0.13mm)
Steel Penetration	Standard : 35mm / Typical : 35mm
Focal Spot	1.5mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Dual 24" Touch Control Monitor (Max 4 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications

To be Released

### Sizes and drawings

To be Released

## AIXAC-RX100100DA



Ideal for medium to large  
import and export cargo inspections.





## Technical Data 100100DA

### Physical Properties

Tunnel Dimensions(W x H)	3760X1200X1900mm
Dimensions(L x W x H)	1000X1000mm
Weight	1200kg
Conveyor Height	600mm
Conveyor Load Capacity(kg)	220kg
Conveyor Speed	20cm/s

### X-Ray Generator & Image Performance

Anode Voltage	160kV
Tube Current	1.2mA
Beam Direction	Dual / Horizontal and vertical
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	Standard 4, Max 12(AIXAC-MAT plus)
Liquid Type Discriminations	Available (Water, Gasoline)
Grey Scale	4096

### Technical

Wire Resolution	[View A] Standard : 38AWG(0.1mm) / [View B] Standard : 36AWG(0.13mm)
Steel Penetration	Standard : 35mm / Typical : 35mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Dual 24" Touch Control Monitor (Max 4 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	Standard 1μSv/h

### Certifications

To be Released

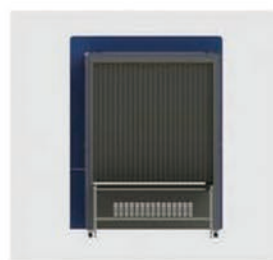
### Sizes and drawings

To be Released

## AIXAC-RX180180D



Ideal for medium to large  
import and export cargo inspections.



## Technical Data 180180D

### Physical Properties

Tunnel Dimensions(W x H)	7300X2650X2900mm
Dimensions(L x W x H)	1790X1700mm
Weight	9000kg
Conveyor Height	840mm
Conveyor Load Capacity(kg)	5000kg
Conveyor Speed	20cm/s

### X-Ray Generator & Image Performance

Anode Voltage	300kV
Beam Direction	Dual / Horizontal and vertical
Cooling	Sealed Oil bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Image presentation	Standard 4 Color Image
Material Discriminations	S tandard 4
Liquid Type Discriminations	Unavailable
Grey Scale	4096

### Technical

Wire Resolution	[View A] Standard : 38AWG(0.1mm) / [View B] Standard : 36AWG(0.13mm)
Steel Penetration	70mm
Focal Spot	0.8mm

### Computer & Video & Electrical

Operating System	Windows
Power Conditioner	230VAC or 110 VAC, 50Hz/60Hz
Display Type	Dual 24" Touch Control Monitor (Max 4 available as options)
Display Resolution	1920X1200 / 24bit
System Power	230VAC or 110 VAC, 50Hz/60Hz

### Environmental & Safety

Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃
Humidity	Up to 95% Non-Condensing
Radiation Leakage	2

### Certifications

To be Released

### Sizes and drawings

To be Released



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