

NUCTECH™ ArgusH

X-ray CT Inspection System



Creating a safer world

ArgusH X-ray CT (Computed Tomography) inspection system is a new generation static CT inspection system developed and produced by NUCTECH COMPANY LIMITED. Innovatively utilizing static CT scanning technology with dual-energy CT material discrimination technology, the system can provide 3D images, 2D images and CT slice images of the inspected items as well as detect contraband items like explosives/narcotics automatically.

ArgusH provides advantages including but not limited to large tunnel dimensions, high throughput, fast inspection speed and automated discrimination of contraband. Capable of being fully integrated with baggage handling system (BHS), ArgusH can be widely applied to various locations as airports, customs, stations and government buildings, etc.



Technical Features

- **Non-rotating gantry design**

Based on CT imaging with multiple sets of static X-ray generators and detectors, ArgusH provides large tunnel dimensions and fast conveyor speed, while reducing the equipment weight and improving the reliability and availability.

- **Automated material discrimination**

Based on dual-energy CT material discrimination technology and automated detection algorithms, material information such as the equivalent atomic number and density can be simultaneously acquired and contraband as explosives/narcotics can be detected automatically, accurately and quickly by ArgusH with high detection rate and low false alarm rate.

- **High resolution images**

Imaging with static CT technology, ArgusH can generate 3D images, 2D images and CT slice images with high resolution.

- **High throughput**

ArgusH conveyor speed is 0.5 m/s providing high throughput.

- **Large tunnel size**

Breaking out the limitation of the gantry on the tunnel size, ArgusH builds a tunnel with more than 1 meter wide and 1 meter high with inspection tasks of most baggage completed and baggage jams avoided effectively.

- **Low maintenance costs**

Without rotating gantry and other moving parts, ArgusH is easy for maintenance and with low maintenance costs afforded.

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Technical Data

Dimensions	4800 mm (L) × 2050 mm (W) × 2260 mm (H)
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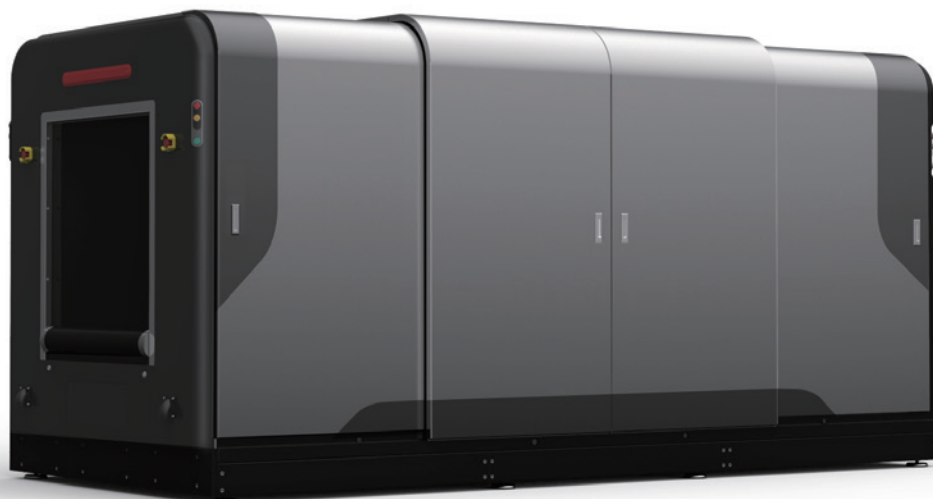
Weight	5600 kg
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Tunnel Dimensions	1050 mm (W) × 1010 mm (H)
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Conveyor Height	840 mm
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Conveyor Load	200 kg (evenly distributed)
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Conveyor Speed	0.5 m/s
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NUCTECH AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2015)
NUCTECH AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)
NUCTECH AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM (GB/T28001-2011)

