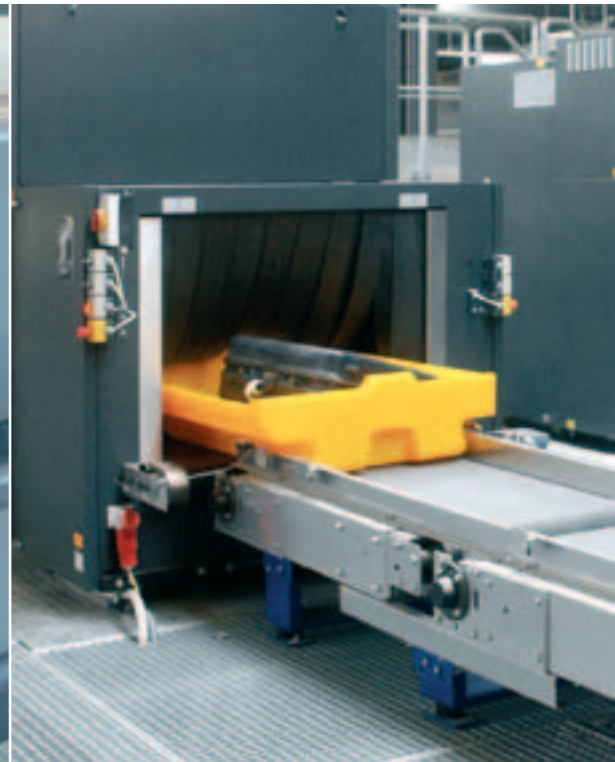




HOLD BAGGAGE SCREENING

SOLUTIONS TO INCREASE AVIATION SECURITY

HOLD BAGGAGE SCREENING



SAFETY FIRST

To increase aviation security, national and international authorities increasingly require 100% inspection of hold baggage. Vanderlande Industries offers multilevel Hold Baggage Screening solutions that comply with regulations and meet your specific requirements.

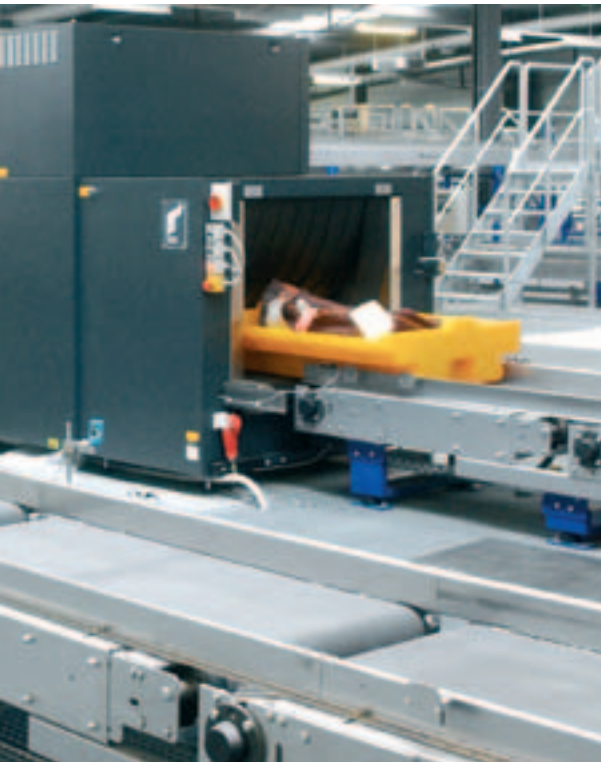
All bags secure

The Hold Baggage Screening process can be subdivided into a number of levels. Level 1 screening of bags is carried out automatically by a screening machine. This is basically a pre-sortation to determine whether a bag is potentially suspect.

At Level 2, the machine-generated images of uncleared bags are examined by trained operators or processed automatically by a Level 2 machine. The small fraction of uncleared bags remaining after this level is routed to a Level 3 machine. Here, trained operators examine the detailed images of these bags.

Bags that are still not cleared after Level 3 examination are investigated manually in the presence of their owners (Level 4). Bags that are not cleared at Level 4 become suspect bags. Regulations determine how these will further be dealt with (Level 5).

HBS level	definition of screening within level	cleared baggage directed to	reject baggage directed to
1	fully automatic Explosive Detection System (EDS) inline X-ray machine	automatic or manual baggage sortation system	HBS level 2
2	staff operated X-ray screening image processor workstation using enhanced image processing software	automatic or manual baggage sortation system	HBS level 3
3	(CT) X-ray machine or staff operated Electronic Trace Detection (ETD) system	automatic or manual baggage sortation system	reconciliation of higher threat status baggage with passenger
4	reconciliation of threat baggage with passenger (pax and bag brought to special area).	automatic or manual baggage sortation system	very high threat baggage sent to baggage bomb disposal unit
5	bomb disposal unit called to dispose of baggage which cannot be reunited with passenger	bag destroyed	N/A



Which concept meets your specific requirements?

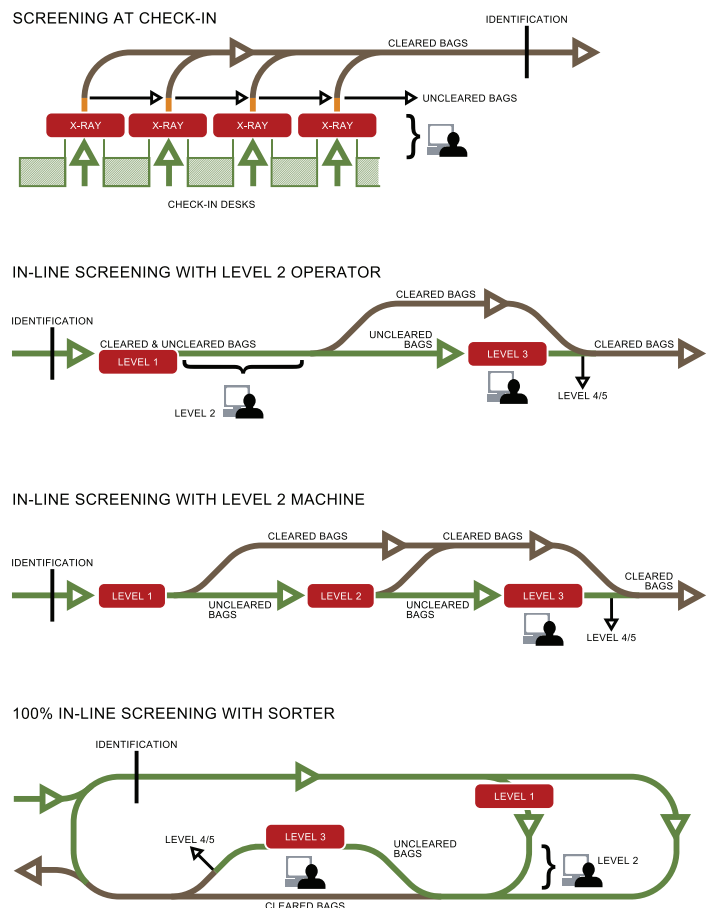
There is more to Hold Baggage Screening than just buying Security Screening machines. 'All bags secure' requires a baggage handling concept that carefully integrates Security Screening machines to keep your operation efficient and life cycle costs acceptable. Vanderlande Industries has the experience and expertise to design and implement a solution that matches your requirements.

Right from the start

The layout of the screening area, the screening machines themselves and the operators all influence the flow of bags and therefore capacity. The system design can take into account flexibility - since security regulations can differ from country to country, the need to maintain security even if a screening area fails, and maintenance and system upgrades.

The security status of a bag can be added to the Baggage Source Message for tracking and tracing purposes. This also allows for interfacing with systems at other airports.

Screening baggage inside tubs is feasible if the tubs are made of the right material and have the right shape, and simulating the security concept can be an integral part of the design.



HOLD BAGGAGE SCREENING FACTS & FIGURES

In cooperation with

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An **ESI** SYSTEMS Company



References

Vanderlande Industries has carried out more than 100 Hold Baggage Screening integration projects. Selected references:

Abu Dhabi, United Arab Emirates
Amsterdam, The Netherlands
Antalya, Turkey
Bahrain, Bahrain
Bergen, Norway
Borispyl, Ukraine
Boston, USA
Bremen, Germany
Chicago, USA
Cologne, Germany
Dusseldorf, Germany
Domodedovo, Russia
Gothenburg, Sweden
Hanover, Germany
Helsinki, Finland
Hong Kong, China
Kuwait, Kuwait
Leipzig, Germany
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BAGGAGE HANDLING SYSTEMS

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