



CrisBag™ is a comprehensive baggage handling system designed for use in airports, combining baggage sortation, early baggage storage and transportation in one system. The system is a tote transport system, where baggage is loaded into totes and transported from a loading station possibly via a screening system and with an optional stay in an Early-Baggage-Storage (EBS) and sorted before discharged at the intended destination.

The basic principle of the CrisBag™ system is to load each bag into a dedicated transport tote as soon as it enters the system, either at check-in or when an operator unloads transfer baggage. Keeping the baggage in the tote until it is discharged from the system ensures gentle handling and accurate tracking throughout the system.

At check-in, the bag's IATA bar code data is merged with the tote's RFID information to create a complete end-to-end track-and-trace system. Due to a special design, the tote allows efficient screening and gentle transportation of all baggage types, shapes and sizes. The CrisBag™ system include transport of Out-of-gage baggage (OOG) by use of special designed over-size baggage totes (OBT).

Baggage items that arrive before the make-up device for a specific flight is ready are sent to the Early Baggage Storage (EBS). Here they remain under the supervision of the computer monitoring system until automatically retrieved as required.

FEATURES >>

- A top speed of 10 m/sec (1970ft/min) makes CrisBag™ one of the fastest baggage handling systems, with a capacity as high as 2,700 items an hour.
- One baggage item in each tote at one element - always. Makes it possible to trace each baggage item at any time
- The tote of the CrisBag™ system is designed to allow safety X-ray screening of the baggage placed in the tote
- Modular concept based on a number of different elements such as straight elements, curve elements, diverters etc. which can be put together to form a complete baggage handling system

BENEFITS >>

- **Fast, safe and flexible-transport of baggage from check-in to discharge**
- **100% accurate track and tracing of totes/bags throughout the system**
- **Unloading and subsequent loading of bags before and after screening is avoided. The risk of tracking errors between the various levels of the screening procedure is eliminated**
- **The CrisBag™ system can be tailor-made to meet the specific customer requirements**



Specifications

CrisBag™ is a modular concept based on 5 groups of elements:

Baggage handling elements

- Sideloader
- Toploader
- Discharge element
- Service element
- Manual handling station

Basic transport elements

- High speed element
- Straight element
- Curve element
- Acceleration / deceleration element

Flow split/merge elements

- Diverter
- Merger
- Cross transfer
- Vertical distributor

Storage elements

- Early baggage storage (EBS)
- Empty tote storage

CrisBag™ Totes

- Standard baggage tote (SBT)
- Oversize baggage tote (OBT)

Totes are transported at speeds between 1.8 - 10 m/sec (355 - 1380 ft/min) and the standard throughput capacity is as high as 2,700 totes/hour.

The dimensions for baggage handled by standard baggage totes (SBT) are:

Length: 150 - 1,200 mm (6 - 48 in)

Width: 75 - 750 mm (3 - 30 in)

Height: 75 - 550 mm (3 - 22 in)

Weight: 0.5 - 50 kg (1.1 - 110.2 lbs)

The dimensions for baggage handled by oversize baggage totes (OBT) are:

Length: max. 2,200 mm (88 in)

Width: max. 900 mm (36 in)

Height: max. 550 mm (22 in)

Weight: max. 75 kg (165 lbs)

All measurements are approximate.

