



CRISSTORE®

EARLY BAGGAGE STORAGE

THE NEXT GENERATION OF EARLY BAGGAGE STORAGE (EBS)

The CrisStore® rack-based storage system was designed to enable airports of all sizes to improve the capacity, accuracy and security of the Early Baggage Storage (EBS) system.

The CrisStore system from the Crisplant product range enables airports to offer more flexible check-in and make-up loading times whilst also improving EBS security. CrisStore also increases the speed and transfer accuracy of baggage to the make-up area. With 100% tracking and traceability of baggage, and -on-demand sorting and batch-loading onto ULDs, CrisStore achieves a compact and space-efficient storage footprint.

FEATURES

- › Modular system for easy configuration and expansion
- › Storage in a choice of CrisBag tote sizes
- › Rack module height of under 3 m per module fits standard bag-room headroom
- › Overall capacity configured to fit each airport
- › 100% tracking and traceability
- › Single bag access to individual items of baggage.

BENEFITS

- › Dense packing and back-to-back rack configuration saves floor space
- › Batch-building for speed loading
- › Low storage cost per bag
- › High-speed storage and retrieval
- › Energy-saving operation reduces costs
- › Easy access for bag clearance and maintenance
- › Gentle baggage handling and storage with high level of redundancy.

Bags, loaded into CrisBag® totes, arrive to the CrisStore. The individual totes are stored in the CrisStore racking system using a miniloader controlled via the CrisBag baggage handling system.

100% TRACKING AND TRACEABILITY

All bags are securely stored in CrisBag totes. CrisStore enables on-demand retrieval of baggage, allowing the handlers to call-up individual bags, or a batch of bags for speed loading onto a ULD or trolley. 100% tracking and traceability also enables each bag to be located within the EBS to enhance security and significantly reduce lost baggage.

EASY CONFIGURATION AND EXPANSION

CrisStore's flexibility means that each module can be configured to fit the floor space and headroom available in each airport. Any number of CrisStore modules can be combined to provide the capacity for small regional airports, or major international hubs whilst it is the only system of its kind that can fit into buildings with bag room height reduced to as low as 3 metres.

HIGH REDUNDANCY

The highest level of redundancy and system availability is achieved by using multiple storage modules. The system allocates baggage dynamically between modules to secure the highest performance and utilisation of storage positions.

The controls system provides local inventory tracing in case manual fallback operation is needed. All storage positions are manually accessible from the floor and allow room for local picking.



LOW MAINTENANCE

With no moving parts, the rack system requires minimal maintenance. Both the rack and the miniloader are easy accessible allowing operators to work quickly and comfortably when performing routine maintenance tasks or when needing direct manual access.

STORAGE MODULES

Each CrisStore module consists of a racking system and one miniloader. The module is configured with 80-320 storage positions depending on given system requirements.

The rack profile, or shelf size, can be configured to match the tote sizes used in any given CrisBag system. The shelf height is configurable according to the airport's individual bag specification and baggage handling system requirements.

HIGH CAPACITY & SPACE EFFICIENCY

Storage modules can be stacked up to four modules high to reduce the overall storage footprint. Each module features an infeed and out-put capacity of 100-200 bags/hour.

