



Sibag Cross

The well known Siemens Tray System has reached the next evolutionary stage: the release of the Sibag Cross, the Cross Belt Tray from Siemens.

This hybrid design

- combines the safe transport of a tray mold with the handover precision of a cross belt
- combines Belt and Tray conveyor technology
- combines existing technology and new features
- combines the well proven Sibag Tray with new components
- combines operational needs and highest flexibility

The Cross Belt Tray conveyor system has been developed and enhanced by Siemens engineers based on the standard Tray System, which is already in use with several baggage handling systems since many years.

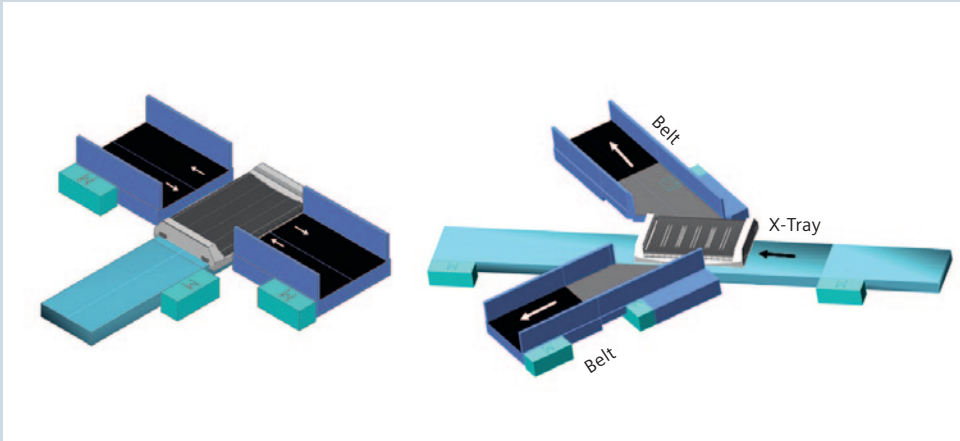
The well proven conveyor elements like straight and metering conveyors, turns, inclined/declined conveyors or switches remain unchanged.

With the Cross Belt Tray system the bags are transported at the same level even during loading and unloading of the tray. With this new feature top load loading stations and tilters to unload the trays, which transport bags vertically as well, are not necessary any more.

Each tray has a unique RFID chip, which is used to control the flow of baggage from the loading station onwards. Each bag therefore needs only to be identified and assigned to a tray code once before loading. From this point on, the RFID information is read automatically in order to control the route of the tray to the unloading point.

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The new product of the Siemens tray family



According to throughput needed the load or unload station can be:

- **static** i.e. while the tray stops on the conveyor, or
- **dynamic** i.e. without stopping the tray's movement along the conveyor.

Due to the loading or unloading of the tray at the same level especially compact layouts are possible. The space required in vertical (bag remains at the same level) or horizontal (no need for chutes and tilters) direction is minimized.

The Cross Belt Tray system is manufactured by Siemens. In addition to flight baggage, it is suitable for transporting and sorting other similar goods. Tray systems of this type are particularly suitable for transporting goods across longer distances.

Sibag Cross – a real Hybrid

The combination of safe transport with a tray mold and the handover precision of a cross belt leads to

- Gentle baggage handling
- Safe transport
- Precise handover

With the close link-up of belt and tray conveyor technology

- Tray conveyor system extensions only need a further drive station
- Belt conveyor systems can be upgraded with Cross Belt sorting solutions
- Loading and unloading is a positively controlled process

Existing technology with the new Cross Belt Tray features

- Can be operated with tray conveyor lines already installed
- Allows mixed operation with standard and oversized trays
- May be run at full speed up to 10m/s

Operational needs and highest flexibility tie up for

- Independent routing with single carriers
- Single level solution avoiding chutes and bag drops
- Bi-directional Cross Belt function
- Usable as closed sorting loop or end to end transport system

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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