



BEUMER
technology in motion



Conveying technology Loading technology Palletising technology Packaging technology Sortation and distribution technology

BEUMER autover[®]

**The intelligent baggage handling system
for international airports.**





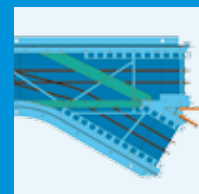
Technical specifications:

- Type: BA55
- Maximum speed: 10 m/s
- Maximum acceleration: 1.5 m/s²
- Loading speed: 0–1.0 m/s
- Loading capacity/feeding: 920–2,000 1/h
- Unloading speed: 0–2.0 m/s
- Unloading capacity/discharge: 920–2,400 1/h
- Curve radius: $\geq 1,250$ mm

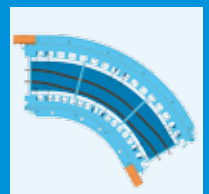
The technical specifications listed here are project-specific.

BEUMER autover®

**Fast and gentle handling of baggage.
Targeted and economical.**



30° junction



60° curve



BEUMER autover®.
Rail-mounted. Computerised.
Fully automatic.

To support fast, safe and flexible baggage handling, modern airports need a high-performance baggage handling and distribution system. The BEUMER autover® system – an intelligent destination coded vehicle system (DCV) – offers a reliable handling system to meet your individual requirements.

The BEUMER autover® system comprises a passive rail system and individual vehicles, known as BEUMER autoca®. A central computer running the BeSS (BEUMER Sortation System) logistics software assigns jobs to each vehicle. The vehicle's on-board controller computes the ideal route. The BEUMER autoca® moves to a loading station and picks up a piece of baggage. Then when it reaches its destination, the BEUMER autoca® either transfers the

Our BEUMER BeSS logistics software features a number of perfectly matched software modules. Besides modules for controlling and managing the BEUMER autover® system, there are modules for baggage management/sort allocation computers (SAC).

BEUMER autoca®:
Intelligence has a name.

The BEUMER autoca® vehicles are equipped with an on-board controller and drive system and move autonomously, quietly and independently along a rail system at speeds of up to 10 m/s.

Thanks to their intelligence, the vehicles can be called back to a central maintenance point at specific maintenance intervals. Importantly, this does not impact the availability of the overall

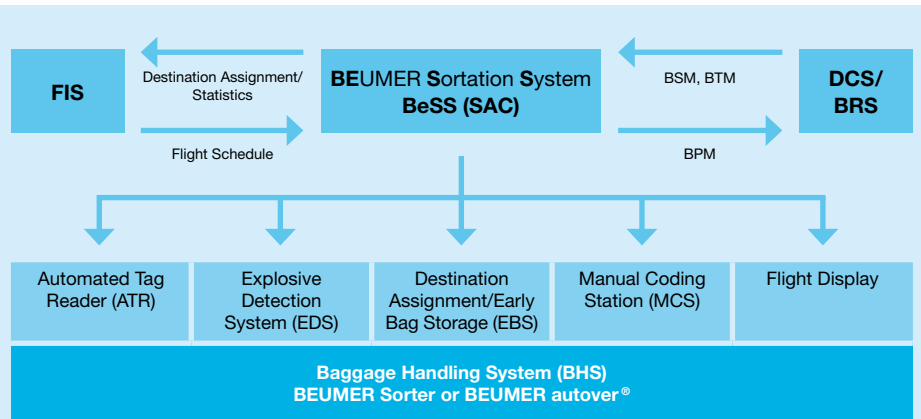
system. If required, operators can be sent a text message notifying them of vehicles due for service.

Power and data transmission:
No contact – no wear and tear.

The BEUMER autover® system relies on contactless power and data transmission. The lack of wear parts, and a rail system that is essentially maintenance-free, reduce total operating costs.

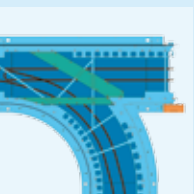


bag to a belt conveyor, e.g., an inline X-ray unit, or discharges the bag at its destination. This ensures fast and gentle handling for every single piece of baggage through to its destination.

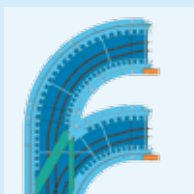


An interface to the Flight Information System (FIS) and the Departure Control System (DCS) support sorting of baggage in line with flight schedules.

Examples of rail elements:



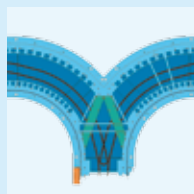
90° junction



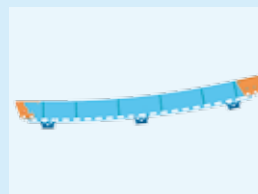
F junction



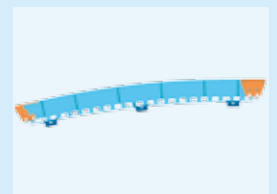
T junction



Y junction



convex vertical curve



concave vertical curve



BEUMER autover®

**A system solution that gets the job done:
Space-saving and flexible. Safety included.**





And we will never fail to meet your strict safety requirements.

Always the right solution – tailored to your requirements.

Shorter and shorter stopover and transfer times require reliable and fast baggage handling especially at peak times. The BEUMER autover® system is the perfect choice for an integrated solution. As all BEUMER autocaca® operate independently of one another within the overall system, you can deploy the right number of vehicles to give you the performance you need. If baggage volumes are low, BEUMER autocaca® are simply “parked” in predefined parking areas, thus saving power.

Providing superior flexibility, the BEUMER autover® system easily navigates long distances and challenging layouts that include climbs and drops, tight radii necessitated by a lack of space, and even tunnels.

The BEUMER autover® system meets the strictest safety requirements of any airport. At the Montreal airport the system is directly tied in with various phases of security checks. Each individual piece of baggage can be uniquely linked to a BEUMER autocaca® and a passenger at any time. Any discrete bag, which is deposited in the early bag storage system by the BEUMER autocaca®, is not released and transported to its final destination until a passenger

and that passenger’s corresponding baggage have been identified as “secure”.

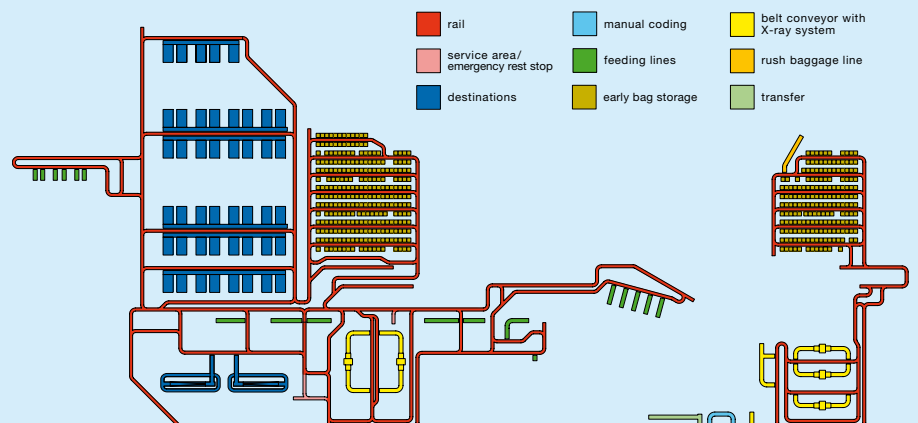
The BEUMER autover® system provides complete compliance with fire protection regulations. If the autover® system runs through fire protection zones, the rails are automatically raised, if needed, to allow fire protection doors to close without leaving any gaps.



These references speak for themselves.

International airports, such as Dubai, Montreal, Munster, Toulouse and Oujda, all trust the BEUMER autover® system – the intelligent baggage handling system that delivers a superior return of investment.

Computerised route management and the trouble-free rail system allow for easy and cost-effective extensions whenever you need them.



The BEUMER autover® system – an active DCV system (layout designed by ALSTEF)



Intelligent solutions from the intralogistics experts. BEUMER worldwide.



We are always there when you need us!

Worldwide service.

Our service managers' regular inspections ensure:

- Sustained operational capability of your equipment
- Reduction of downtimes
- Sharing of best practices
- Qualification of the maintenance team
- Continuous product optimisation
- Spare parts optimisation

Trouble-shooting/BEUMER Hotline.

- Qualified worldwide support on short notice
- Online trouble-shooting
- Worldwide availability of service engineers
- On-demand deployment option
- Fast, responsive service on the ground in real time

Technical consulting.

We can advise and train your staff, either in our own training centre or at your designated facility. This ensures:

- Optimal equipment and system operation
- Qualified evaluation of equipment condition
- Long-term optimisation strategies

Maintenance and repairs.

- Personnel specifically qualified for your equipment
- Foundation for superior operational reliability
- Qualification of your personnel in all facets of maintenance



We know the way. Worldwide.

As one of the international leaders in the manufacture of intralogistics for conveying, loading, palletising, packaging, sortation and distribution technologies, we know the routes your products take and their unique handling characteristics. This knowledge is integrated into the development and manufacturing processes for all our equipment and systems. We maintain and ensure proximity to our customers in every part of the world through a global sales and service network.

The BEUMER story is far reaching. A team of around 2,000 professionals worldwide. Annual turnover of 350 million EUR. Wholly owned subsidiaries and holding companies on each continent and representatives in over 70 countries. Each of these elements contributes to a solid foundation for our export-orientated

activities. And our presence on the ground ensures individual adaptation to local requirements. Location-relevant solutions are the result of our constant close cooperation with our customers.

Our corporate philosophy.

Family spirit is a fundamental factor in the success of BEUMER as a globally operating concern. Shareholders, executive management and staff are essential members of a community in which constructive cooperation is the hallmark of our corporate philosophy. The owners' commitment to considerable reinvestment in the company is a prerequisite for securing the future, and is the basis for the success-oriented partnerships between our company and our customers.





BEUMER
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BEUMER reserves the right to make modifications that serve technical progress.