

# Munich Airport Terminal 2 Secure connections pick up the pace



**Munich Airport holds the future in its grasp, thanks to its Terminal 2– the world’s first airport facility to benefit from the high speed and efficiency of the CrisBag® baggage handling technology from Crisplant.**

A growing number of international air travellers find themselves briefly touching down in Munich Airport. When they do, the state-of-the-art CrisBag® baggage handling technology in Terminal 2 will ensure their smooth journeys onward.

With CrisBag, special totes convey each piece of luggage throughout the handling process, even during X-ray scanning, and enable 100-percent track-and-trace capabilities at all times.

## **Connection time is of the essence**

Among the highest priorities for Terminal 2’s baggage handling system was a 30-minute transfer connection time. The project also needed to allow for future expansion of airport capacity. The result is a satellite terminal for remote baggage handling, with a 500-metre tunnel



connecting the satellite and the terminal, and an additional tunnel connecting to Terminal 1. The baggage connection time requirement would allow only 12 minutes to process each item of luggage and select its appropriate make-up position.

At check-in and input points for transfer and arrival, each bag is placed in a tote, where it remains until delivery. The tote’s identification is readable at all times and enables precise monitoring of baggage throughout the system. The tote’s special design allows efficient security and gentle transportation of all baggage types and sizes. Baggage items are sent to the Early Baggage Storage (EBS) system if the make-up for a flight is not ready. At EBS, bags remain under the supervision of the computer monitoring system until automatically retrieved.

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## Confidence in the making

To meet Munich Airport's high speed requirements, it was also important that bags could remain in the totes during the X-ray process. CrisBag offers 100% track-and-trace capabilities with modular elements that make it possible

building itself, and the remainder is transported through the connecting tunnel.

## Customer support after the sale

In addition to supplying and installing the baggage handling system, Crisplant has

## Munich Airport Terminal 2 systems overview

The baggage handling system delivered by Crisplant to Munich Airport Terminal 2 includes:

- CrisBag® system: 40 kilometres
- Modules: Approx. 14,000
- Totes: 6,500
- Drive units: Approx. 19,000
- Check-ins: 114

## CrisBag: A brief profile

- High-speed, up to 10 metres per second
- Capacity of 15,000 items an hour
- Controlled braking and acceleration for added baggage safety
- Precise tracking and tracing
- Unique tote allows X-ray screening of in-tote baggage
- Integrated Early Baggage Storage (EBS) with automatic retrieval
- Modular concept for high flexibility
- Easy to maintain and repair, keeping stoppages to a minimum
- Limited wear and tear, requiring few spare parts
- Energy-saving concept

to install the system at a minimum of space. CrisBag offers great flexibility with reduced maintenance costs when carrying out a system modification. CrisBag also offers the potential for significant energy savings. Rather than running continuously, the belts only start when prompted by the arrival of baggage, stopping again once the bag has moved on to the next module.

## Serving the hub

Terminal 2 is designed to accommodate the logistical requirements of a growing hub operation. The CrisBag baggage handling system is built in four levels, with transport belts covering almost 40 kilometers. Around half of all Terminal 2 baggage is processed within the terminal

supported and maintained the CrisBag system. Crisplant provided a range of services to ensure continuous and reliable operation of the system 24 hours a day, 7 days a week. Professional support and regular upgrades with the latest technology have guaranteed optimum performance.



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