

## Baggage scales with W&M approved SysTec weighing technology

### Kilomatic equips self-check-in stations with SysTec weighing indicators



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At Nuremberg Airport, selected airlines offer bag drop machines for passengers to check in their bags themselves. Thanks to the self-service bag drop system, passengers who have completed online check-in in advance can simply scan their QR code at Nuremberg Airport, weigh their baggage, print out a baggage tag and check in their luggage themselves.

SysTec partner Kilomatic has equipped the baggage scales with SysTec's W&M approved weighing electronics and software. The bag drop machines are manufactured by Embross. Kilomatic is responsible for installing and servicing the SysTec weighing technology.

#### Key facts

- Bag check-in system with luggage scale (NAWI) - no staff required
- A growing number of airlines are offering self-service bag drop systems at Nuremberg Airport
- Passengers are guided through each step of the process in multiple languages
- W&M approved weighing electronics from SysTec
- Interfaces to the Embross software environment

#### Products

- IT1 weighing indicator (Blackbox version), installed in Embross bag drop systems
- SysTec software *ScaleView*: Program for W&M approved weight display on a PC or mobile devices with Windows operating system
- Installation and service of the baggage scales by Kilomatic

#### Customer benefits

- Fast and convenient baggage drop-off without delay and independent of counter opening times
- Baggage labeling system integrated into the system
- High-performance control system with robust SysTec weighing indicator
- Simple maintenance and easy cleaning of the modular bag drop system



© Photo: Nuremberg Airport/Daniel Karmann  
Baggage drop off station with SysTec weighing electronics

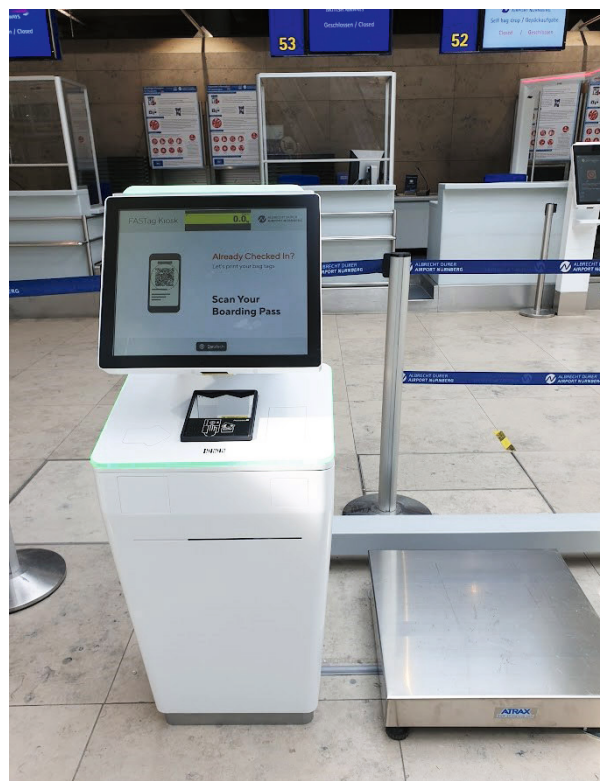
### The process

The self bag drop off-system in departure hall 2 is initially equipped with six stations. It enables passengers to check in their baggage themselves. It is positioned in such way that it is clearly visible on the passenger's route from the terminal entrance towards the security checkpoint.

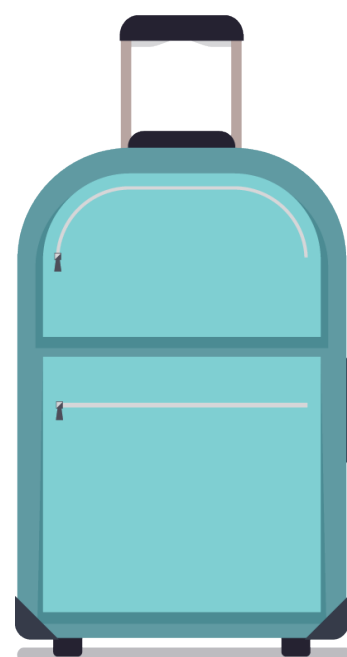
A screen guides travelers through the individual steps in several languages. For example, how to create the self-printable baggage tag by scanning the barcode of the existing boarding pass or smartphone, how to weigh the bag and attach the baggage tags themselves.

The approved weight values can be viewed by the passenger on the customer display – thanks to SysTec's PC *ScaleView* software. The IT1 weighing indicator integrated into the bag drop system records the weight data and transfers it to the Embross software.

As soon as all process steps have been completed, passengers can proceed to the nearby baggage belt. There, they place their bags on the belt, follow the instructions on the display and scan the code from their boarding pass or smartphone again. The code, baggage tag and weight are checked and the baggage is transported via the conveyor system for sorting and loading.



© Photo: Embross



## At a glance: SysTec weighing indicator IT1 blackbox

- Compact stainless steel housing with protection class IP65 / IP67
- Suitable for harsh industrial environments
- W&M approved as a non-automatic scale in combination with the verifiable Windows software *PC ScaleView*
- For connecting analog strain gauge scales with an input impedance of 43 Ohm-3.3 kOhm (suitable e.g. for 8 x 350 Ohm load cells), W&M approved resolution 10,000 d
- One slot for serial or Ethernet interface module and one slot for digital inputs and outputs or analog output
- Internal W&M approved weight memory for recording the last 1,000,000 weighing results



SysTec weighing indicator blackbox IT1

The weighing electronics capture the weight data of the baggage and transfer the data to the Embross software



© Photo: Embross

User interface with integrated SysTec software *PC ScaleView* for W&M approved weight display (yellow display field at the top of the screen)



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## Further information on the project service providers



### SysTec Systemtechnik und Industrieautomation GmbH

Since 1994 SysTec has been developing and producing W&M approved industrial weighing indicators and filling controllers for static and dynamic scales.

More than 180,000 installations are successfully in use worldwide. The innovative SysTec weighing systems work reliably in numerous applications: These include filling systems for liquids and bulk materials, shipping / receiving scales, beltweighers, vehicle scales, checkweighers, piece counting scales, mobile weighing systems and all kinds of customer-specific applications. In addition to standard products, SysTec also offers customer-specific system solutions and custom-made hardware and software. Comprehensive technical advice completes the range of services.

The production and development site for SysTec weighing terminals and software solutions is Germany. The company is located in Bergheim-Glessen, near Cologne. The production of the weighing terminals and software is subject to international OIML standards.

Discover more: [www.systemecnet.com](http://www.systemecnet.com)



### Kilomatic Wiegetechnische GmbH

Kilomatic has been providing weighing solutions for industry since 1960. The range of services of the Hanover-based company includes scale project planning, delivery, installation and service.

In addition to baggage scales, Kilomatic realizes mobile and dynamic weighing technology for warehouses, logistics, industry and ports as well as truck scales for road and rail. These include, for example, truck scales, forklift forklift scales and excavator scales.

The Kilomatic team offers both standardized scales and customer-specific solutions. In addition, Kilomatic has an extensive rental scale warehouse and can rent out a wide variety of scales in large quantities at short notice.

Discover more: [www.kilomatic.de](http://www.kilomatic.de)