Greater flexibility

A new self-bag-drop system is key to Tokyo **Haneda Airport's** preparations for the 2020 Olympic Games

Tokyo Haneda International is Japan's fastest-growing airport, and the fifth-largest in the world by passenger numbers. With more than 80 million passengers every year and numbers continuously rising, it will face interesting logistical challenges in the future.

The Tokyo metropolitan region is the largest conurbation in the world and attracts several million tourists every year. In addition, the airport is the main gateway to and from Japan and its capital, and one of the most modern such facilities in the world. Thus, Tokyo Haneda is constantly looking for ways to improve the passenger journey and provide a seamless travel experience. As passenger numbers hit their highest levels yet, the airport has turned to an increasingly important aspect of terminal operation – self-service.

Flexible bag-drop system

Since every airport is unique, with different requirements, Materna IPS has developed a flexible system that, thanks to its modular approach, offers numerous options for simplifying the bag-drop process. In addition, the company's innovative self-bag-drop series helps to increase capacity and throughput significantly. The new Materna flagship product for self bag drop is setting a clear signal in terms of flexibility and price-performance ratio. Many years of expertise have gone into the development of the new solution, which has been designed to align closely with market and customer needs.

The Materna IPS Self Bag Drop solution offers a simple and quick way for passengers to drop off luggage and to inject it into the baggage handling system. Functions such as fully automated baggage classification, weighing and scanning will help to ensure that luggage can be dropped off within seconds. Furthermore, the modularity of the concept means that there are multiple options for integrating the system into existing infrastructure and for offering technologies such as biometrics, RFID and payment. The new self-bag-drop kiosk can be operated as a self-service unit as well as for staffed counter operations. For such cases, Materna IPS provides a hybrid solution that includes agent desks. This solution enables airlines to react flexibly at peak times or to special requirements.

To offer travelers the greatest possible comfort and flexibility, Tokyo Haneda chose a unique self-bag-drop solution from Materna IPS and Toyo Kanetsu (TKK) for terminals 2 and 3. The fully automated bag-drop systems will be live just in time for the Olympic and Paralympic Games in summer 2020. The solution reflects the design language and specific requirements of the airport and will offer passengers a pleasant and efficient travel experience.

TKK will install a new baggage handling system in the departure hall of the new terminal building using the Materna IPS systems.

Tokyo Haneda will be equipped with more than 100 self-bag-drop units that can be fully adjusted according to the airport's requirements. The new Materna IPS series occupies only a very small footprint and will fit perfectly into the terminal environment, offering optimal space for passenger handling. Passengers benefit from the generous space offer as well as privacy while carrying out the drop-off process. The Materna IPS solution also offers a two-step approach, where passengers print off their bag tag in one place then drop off their luggage in another, depending on the airport environment and infrastructure.

ABOVE
The Flex.Go is available in both hybrid and single models (right)

Meeting the airport's needs

There are many customizable input devices that can be integrated into the self-service units, depending on the airport's needs. Various printer options as well as a design that can incorporate different materials and colors make for a seamless adaptation to the architecture of the airport.

Tokyo Haneda Airport made the forward-looking decision to install self-bag-drop systems that will enable it to master its fast-rising passenger numbers and adapt to other changes in the airport industry. By integrating the new solution into the planned single-token biometric journey at Haneda, Materna IPS and TKK will help create a truly seamless travel experience. ■

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