

Webb Airport Systems

A Global Leader of Durable Baggage Handling Systems



Innovation That Stands The Test of Time



Since 1919, the Jervis B. Webb Company has been at the forefront of the material handling industry. Our founder Jervis B. Webb adapted a forged rivetless chain conveyor used in the mining industry to the rugged needs of the automotive industry, allowing automobiles to efficiently move on an assembly line. This single invention helped revolutionize mass production.

Today, our durable baggage handling systems move thousands of bags each day at some of the largest airports across the globe. Our number one goal, however, still remains the same – to help our customers increase productivity and reduce costs with a world-class material handling solution.

Experience to Get the Job Done

When it comes to screening, sorting and delivering bags to passengers, Webb Airport Systems understands timing and thoroughness are very important. In today's world, a dependable and efficient baggage handling system is more critical than ever. And that's where our extensive experience in baggage handling systems pays off the most.

Webb Airport Systems takes pride in providing the most durable and reliable baggage handling systems in the industry. Continuous improvement practices apply to all of our products and processes, giving you peace-of-mind that your projects will be completed on time and that your systems will run smoothly.

So, whether you're building a new terminal or need help updating an existing one, Webb Airport Systems has the experts to get the job done, without costly interruptions. We also provide skilled maintenance teams that can keep your system running at peak performance around the clock.



Webb Airport Systems has baggage handling systems in use at more than 50 airports around the world, including:

- **Beijing Capital International Airport**
- **Boston Logan International Airport**
- **Calgary International Airport**
- **Chicago Midway International Airport**
- **Chicago O'Hare International Airport**
- **Cincinnati/Northern Kentucky International Airport**
- **Dallas International Airport**
- **Detroit Metropolitan Airport**
- **Hartsfield-Jackson Atlanta International Airport**
- **Jacksonville International Airport**
- **John Wayne Orange County Airport**
- **London Gatwick Airport**
- **Los Angeles International Airport**
- **Miami International Airport**
- **Newark International Airport**
- **Orlando International Airport**
- **Philadelphia International Airport**
- **Portland International Airport**
- **Sacramento International Airport**
- **Seattle/Tacoma International Airport**
- **Toronto Lester B. Pearson International Airport**
- **Washington Dulles International Airport**

Simplifying the Baggage Handling Process



Our low profile, modular check-in conveyors consist of a scale conveyor, dispatch conveyor and a tipper to weigh, transport and lay down bags as they enter the gathering conveyor.



Baggage indexes to an assigned spot on the gathering belt and proceeds toward security scanning.



Every bag is fully screened through a multi-step scanning system that combines manual and electronic surveillance with x-ray and explosive detection equipment. Suspect bags are removed from the in-feed by high-speed Webb Vsort® vertical sorting conveyors.



Horizontal sorting devices divert bags to adjacent make-up destinations as directed by the WebbView baggage handling control system.



Inbound baggage is placed on belt conveyors that lead to the appropriate baggage carousels.



Arrival passengers can pick up their baggage from a quiet, heavy-duty sloped plate carousel (or a flat plate carousel).

■ Outbound Flights

■ Inbound Flights

■ Support



Vertical sort units are used in-line with the security scanning conveyor belts to remove suspect baggage to off-line baggage inspection.



Laser scanners read bag tag barcodes to determine the destination flight and assigned make-up location in order to activate in-line bag sorters.



Transportation conveyors quickly deliver bags from the screening room to the make-up room.



The WebbView® baggage handling control system integrates the four key elements of baggage system control: supervisory control, user interface, equipment control and manual encoding.



Webb's experienced project management team has the know-how to get your project done right. We stay in constant communication with your team so that your project gets done smoothly and on time.



Webb Airport Services provides contract maintenance, spare parts and emergency repair services for baggage handling systems on a 24/7 basis.

Integrating In-Line Baggage Screening Systems with Speed & Precision

Webb Airport Systems has extensive expertise in the design, manufacturing and installation of Explosion Detection System (EDS) conveyors. Whether you're looking to install new in-line baggage screening systems or upgrade existing systems, Webb has the experience you need.

Our world-class systems comply with requirements mandated by the U.S. Transportation Security Administration (TSA) as well as the Canadian Air Transport Security Authority (CATSA).

Webb baggage handling systems can be installed in a phased approach to minimize disruption to airport operations. Once installed, the new systems automate the screening process, allowing security personnel to check passenger baggage more efficiently. All in all, Webb Airport Systems understands what it takes to get the job done.



Track Every Bag with the Most Advanced Baggage Control System

Our WebbView® baggage handling control system is a state-of-the-art solution that supports high-volume baggage throughput, while assuring bag-tracking accuracy. WebbView integrates the four key elements of baggage handling system control: supervisory control, equipment control, manual encoding and user interface.



Supervisory Control

The supervisory control component of WebbView helps you ensure that bags are delivered accurately, efficiently and on time. Features include:

- **bag tag translation from bar code tag to conveyor system destination**
- **host interface that integrates the baggage system with inputs of flight information from other systems**
- **data collection of information on baggage history and system performance**

Manual Encode

The WebbView Touch Terminal is the industry's most capable device for manual encoding. It provides:

- **stand-alone sortation**
- **flight information**
- **local fault annunciation**

Equipment Control

WebbView equipment control provides the functions to reliably run baggage handling hardware. Features include:

- **Webb's patented bag tracking technology**
- **motor control sequencing**
- **baggage sorting**
- **data collection**
- **fault detection**

User Interface

WebbView provides the most user-friendly, intuitive and informative interface in the industry, which can be easily configured to represent full system status and alarm coverage. Features include:

- **multiple levels of password security**
- **graphical status displays**
- **alarm displays with color**
- **multiple flight schedules that allow different sortation plans for different situations**
- **versatile reports that can show system status, historical data and event logs; reports can be sorted and filtered in a variety of ways**



As a subsidiary of Daifuku Co., Ltd., we form one of the largest automated material handling companies in the world, providing the widest range of solutions in the industry for companies around the globe.

DAIFUKU WEBB 

JERVIS B. WEBB COMPANY

34375 W. Twelve Mile Road
Farmington Hills, MI 48331
248-553-1220 phone
248-553-1228 fax
info@daifukuwebb.com
www.daifukuwebb.com

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