



Mach-SmartDrop[®]



Automated Passenger Bag Drop

- Completely Safe and Secure Integrated Check-In Solution
- Unattended Fully Automated Functionality
- Option to Switch Seamlessly Between Auto Bag Drop and Standard Operator Controlled Check-In
- Single Stage Bag Drop or Two stage Bag Drop Flexibility
- Fully Integrated to Existing Baggage Handling and Safety Systems
- Accommodates Existing or New Conveyor Systems
- Multi-Airline or Dedicated Airline Operation
- Intuitive Touch Screen
- Boarding Pass / Passport Readers
- Integrated Approved Weigh Scale Technology
- Baggage Label Printer
- Integrated Biometric Capability

MacDonald Humfrey (Automation) Ltd

The Mach-SmartDrop® Solution

The Mach-SmartDrop® System is a Truly Integrated and Safe Operational Solution Which Allows for a Completely Unassisted Bag Drop Facility.



The Mach-SmartDrop® System is Seamlessly Integrated into Existing Baggage Conveyor Systems, Which Allows Airport and Airlines to Fully Utilise Existing Check-In Facilities and Infrastructure.

Alternatively, New Check-In Conveyors can be Supplied As Required.

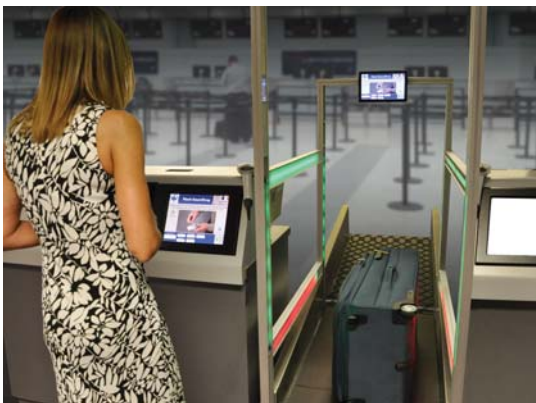
The Mach-SmartDrop® System is able to accommodate Multi-Airline or Dedicated Airline Operation

The Mach-SmartDrop® System Adopts a Simple Selection Configurator for all of the Functional Options Associated with an Automated Bag Drop Solution.

- Single or Two Stage Bag Drop
 - Passport Requirement
 - Security Questions
 - Boarding Pass Printer (Two Stage Kiosk)
 - Bag Tag Printer (Two Stage Kiosk or Check-In Desk)
 - Biometric Requirement
 - Local Payment / Kiosk Payment / Service Desk Payment
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- Bag Measurement
 - Integrated Weigh Scales



The Mach-SmartDrop® can be Configured to Integrate Biometrics and Undertake Passport Verification at Check- In, Accommodating Security Access and also Boarding Reconciliation.



The Mach-SmartDrop® Intelligent Interface Display Guides the Passengers Intuitively Through the Complete Process. Hesitation is Instantly Recognised and Local Help Alarms and/or Messages are Automatically Sent to a Local Assistor or Central Control Room for Assistance.

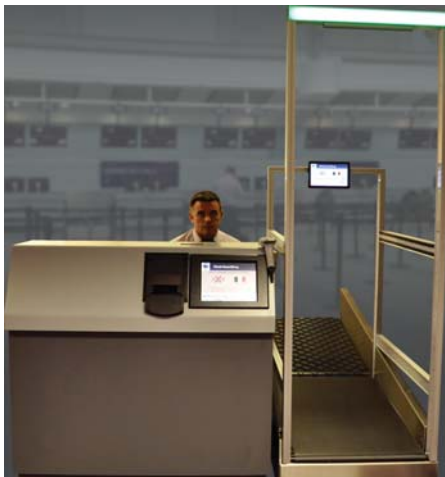


Mach-SmartDrop® due to its Fully Integrated and Safe Design, Requires No Local Assistors. However, to Supplement the passenger Experience the Mach-SmartDrop® Solution Incorporates an Option to Interface Direct to the SEMS® Central Management System.

With the Adoption of the SEMS® Central Management System, all Mach-SmartDrop® Check-In Systems can be Serviced Via a Single Central Control Room Operator. The Mach-SmartDrop® System, Adopting Intelligent Software Techniques, Automatically Detects Hesitation or Repeat Incorrect Operation of the System by the Passenger.



Upon Detection a Local Operator Display Facing the Passenger is Automatically Switched to the Central Control. The passenger is Then Greeted and Assisted Through the Process Via the Screen Operator. Two Way Communications Allows the Passenger to Converse Easily with the Remote Operator. Upon Completion, the Central Control Room Operator is Free to be Routed to Any Other Passenger Who May be Experiencing Difficulties or Requires Assistance.



The Mach-SmartDrop® Integration Methodology Allows Airlines / Airports to Switch Seamlessly Between the Mach-SmartDrop® and Existing Manual Check-In to Suit Operations as Required.

Mach-SmartDrop® can be Configured to Operate as a Single Stage Automated Check-In Solution or in Fact a Two Stage Solution Adopting a Stand-Alone Kiosk for the Split of the First Stage of Operations.

- Kiosk First Stage Operations
 - Log on Passenger Name / Reservation Details
 - Boarding Pass Printer Option
 - Passport Reader Option
 - Bag Tag Printer



Airport / Airline
Branding As
Required

Mach- Secure® - Integrated Airport Security Solutions

The Mach-Secure® suite of innovative products and systems has been specifically designed for Airport security applications. These dedicated products and systems address the day to day operational and financial challenges faced by today's modern businesses. The Mach-Secure suite of products and systems will dramatically increase the overall efficiency of an Airport's security systems whilst enhancing the passenger experience and lowering the operational costs. For the first time Mach-Secure® introduces a totally integrated system solution to the Airport security environment.

Mach-Secure® Airport Security Products:

- Mach-SEMS® - Security Efficiency Management System
- Mach-SmartLane® - Automated Tray Handling
- Mach-SmartView® - Remote Search Facility
- Mach-SmartViewMatrix® - Centralised X-Ray Security Screening System
- Mach-SmartVision® - Integrated CCTV
- Mach-SmartSense® - Personnel Tracker
- Mach-SmartAccess® - Access Control
- Mach-SmartRoster® - Personnel Roster System
- Mach-SmartBRS® - Baggage Reconciliation Systems
- Mach-SmartSAC® - Security Audit and Sortation Systems
- Mach-SmartRegister® - PAX / Airline Spend Profile & PAX Locator
- Mach-SmartTutorial® - In Line Security Training
- Mach-SmartARCS® - Airport Regulatory Compliance Systems
- Mach-SmartPredict® - Dynamic Real Time Equipment Utilisation Planning
- Mach-SmartPupil® - Security Vigilance Monitoring System
- Mach-SmartDrop® - Automated Passenger Bag Drop
- Mach-SmartFlow® - Queue Analysis Management System

The Mach-Secure® suite of products and systems offers a coherent, structured and centrally controlled solution to provide the secure Airport of the future.



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