



Mach-SmartBRS®



Baggage Reconciliation System

- Provides Full Baggage Reconciliation Services in Accordance with ICAO Annex 17
- Wi-Fi or 3/4G Mobile Configurable Offering Airports Wide Coverage
- Interfaces to all Airport DCS Systems
- Scalable Solution for Small to Large Airports
- Full Baggage Audit Trail Inclusive of Security Status Results
- Complete Dynamic Baggage Location
- Rush Bag / Problem Bag Facility
- Interfaces to Mach-Secure® Product Range Offering Major Operational Benefits
 - Early Authorisation of Plane Loading
 - High Profile Passenger-Baggage Screening
 - Passenger Location
 - Immediate Baggage Location from Check-In to Plane

Fully Integrated Baggage Reconciliation Solution



Passenger / Bag Registration

Operational Efficiencies

Mach-SmartBRS® System offer a functional, rich baggage reconciliation solution that satisfies all the requirements of ICAO Annex 17 reconciliation services.

The system interfaces to all Airport DCS systems as well as global standards associated with SITA and Arinc.

The system can be configured to suit the customers requirements adopting Wi-Fi or 3G Mobile for Airport wide communications

Provides tools for management of exception baggage such as gate, diplomatic, crew etc. and permits processing of group baggage.

The Mach-SmartBRS® system off comprehensive reporting functionality, complete with statistical analysis for management and SLA reporting.

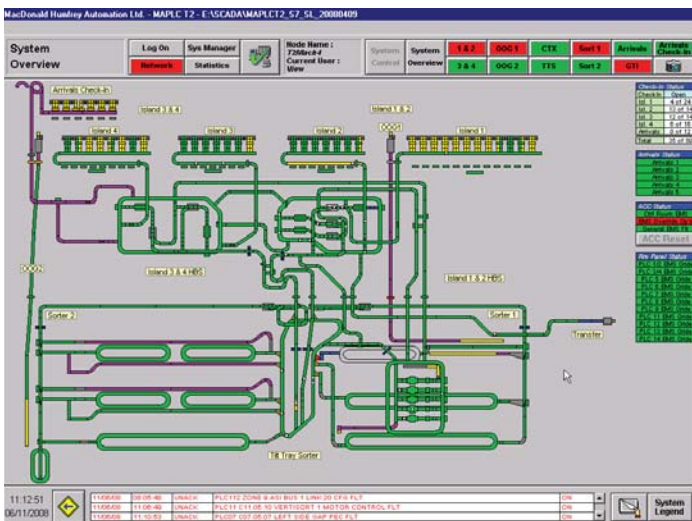
The system incorporated web browser interface capability for management access.

The Mach-SmartBRS® collects and generates SLS and traffic statistics for integration with AODB billing systems.



Mach-SmartAccess® Boarding Pass

The introduction of the Mach-SmartAccess® automated boarding pass gate introduces additional enhancements to the Mach-SmartBRS® solution with early authorisation of bag loading offering a 99.9% confidence factor of passengers boarding the plane. Final .1% verified at boarding gate.



Hold Baggage Screening

Mach-SmartBRS® solution offers full visualisation of the bag location from check-in throughout its journey of the hold baggage transportation and baggage security screening systems. Supervisors / Operators can query a bag location at any time within the process.

Rush bags / problem bags can be immediately highlighted to the baggage and operations staff. When utilised with Mach-SmartSAC® high profile flights / passengers baggage can be automatically diverted to high security screening.

Mach-SmartBRS® Addresses the Security Requirements and Problems of the Transport Industry Globally and the Objectives With a Totally Integrated System that Offers Fast, Efficient, Secure and Accurate reconciliation of the passenger and baggage at aircraft loading.

With the full tracking and trace visualisation of the Mach-SecureBRS® solution, boarding delays due to lack of bag location awareness can be a problem of the past.

Growing Numbers of Passengers Mean that the Challenges We Face Today will be Greater Tomorrow – Mach-SmartBRS® is a Scalable Solution Which is Designed to Cope with Major Increases Of Passenger Traffic

- Mach-SmartBRS® maintains real time final matched passenger / baggage manifest for each flight in reconciliation (AAA mode).
- Mach-SmartBRS® collects passenger authorisation BSM data from airline DCS systems (AAA mode).
- Mach-SmartBRS® maintains real-time passenger manifest for each scheduled flight.
- Mach-SmartBRS® collects details of scheduled flights (FIDS) and open flights for automatic updates.
- Mach-SmartBRS® maintains real time baggage manifests for each open flight.
- Multilingual GUI's for ease of operation.



Baggage Reconciliation and Location

- Designation by class capability
- Full bag trace capability
- Full bag / can position capability
- Full Re-flighting capabilities
- ULD / Trailer management functions
- Early bag management tools
- Efficiency loading statistics
- KPI Data
- Asset tracking capability



Passenger Reconciliation



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.



From Start to Finish

HEAD OFFICE

MacDonald Humfrey (Automation) Ltd.

Progress Manor

29-35 Bolton Road

Luton, Bedfordshire LU1 3HY

United Kingdom

t +44 (0) 1582 405741

f +44 (0) 1582 453237

e sales@mhaltld.co.uk

MacDonald Humfrey (Automation) Ltd.

SEA PTE Ltd.

60 Kaki Bukit Place

08-13 Eunos Techpark

Singapore 415979

t +65 (0) 6884 6223

f +65 (0) 6884 0337

e sales@mhaltld.co.uk