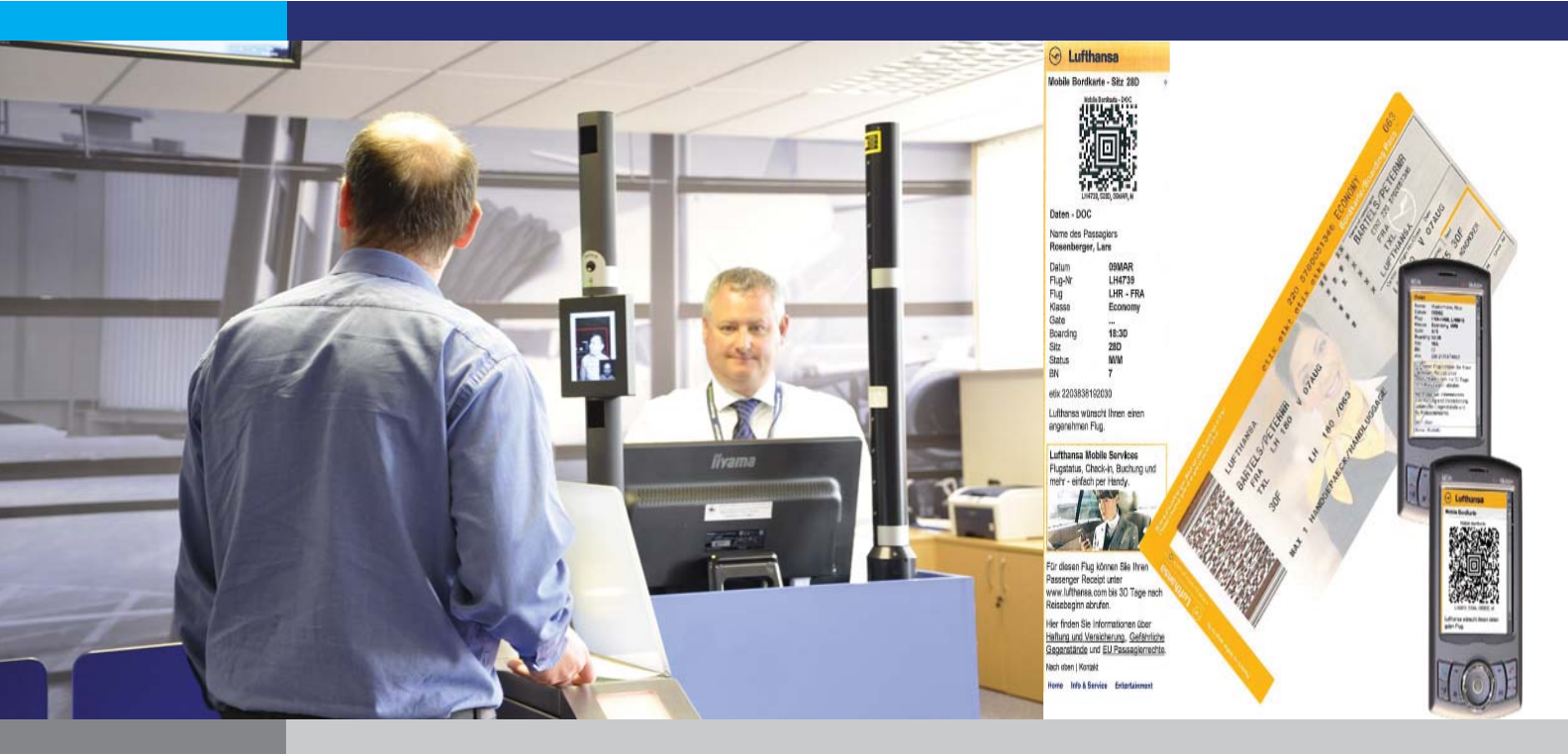




# Mach-SmartAccess®



## Passenger Boarding Pass Access Control

- Significantly Reduces Security Checkpoint Personnel Manning Levels
- Cost Effective – Rapid Return on Capital Investment
- Recognises All New Electronic Media Boarding Pass Data
- Enhances Overall Public Safety, Security and Service
- Reduces Queue Waiting Times and Congestion
- Provides Outstanding Value and Performance
- Ergonomically Designed for Public and Security Personnel Use
- Interfaces to Airport Systems for PAX Authorisation
- Real Time Throughput and Statistical Data Via SEMS
- Deployed in a Number of International Airports
- Optional Biometric /Photo / Iris Authorisation

# Mach-SmartAccess®

## Secure Boarding Pass Access Control

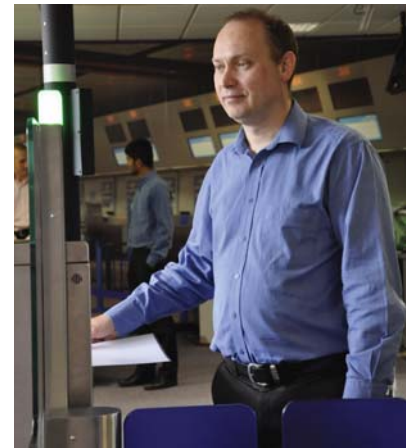


### Operational Efficiencies

Mach-SmartAccess® Automated Control System Improves Operational Efficiencies Requiring Only One Security Officer at the Supervisor's Console Per Group of Access Gates to Out Bound Security Areas. Single or Multiple Access Gates can be Configured with a DDA Compliant Access Gate for PRM Where Required. Unsupervised Gates can be Utilised at any Facility Access Points.

### Boarding Pass Validation

Mach-SmartAccess® Authorises Entry to Valid Scanned boarding Passes. Validation is Configurable to Meet Individual Airports Criteria Based on Flight Number, Time, Date, Airport, Terminal etc. Interfaces to Other Hosts Systems are Catered for such as "No Fly" Lists, Emergency Evacuation, Airline Data Bases and Bag Reconciliation Systems.



### Passenger Interface

Mach-SmartAccess® Control System Provides Intuitive Information Guiding the Passenger Through the Gate Process Via a Simple Stop / Go LED Front Mounted Indicator and a Dynamic PAX's Guidance Display. The Integrated Scanner Reads Airport and Home Printed Boarding Passes and Mobile / PDA Devices.

### Statistical Data and Passenger Tracking

Mach-SmartAccess® Creates Real Time Log Files of all Events. Each Event is Time and Date Stamped Providing Precise and Accurate Statistical Data for Airport / Airline SLA's. Full Statistical Data, PAX ID, Flights, Authorised Through Puts, Excluded Access and Reason, Boarding Pass Category and More is Available to Mach-SEMS®, Security, Efficiency, management System, or any Other Airport / Airline Host Systems.

SmartAccess Gate Key Performance Indicators

Sun, 04-Mar-2012 00:00 - Sun, 04-Mar-2012 23:59

	BPIC Scanned	Total Passengers	Access Failures	Passenger Process Time (seconds)			Validation Response Time (seconds)		
				Stop	Go	Avg	Low	High	Avg
T1 Auto Gate 1	537	510	27	10.76	2.49	4.14	2.05	0.16	0.40
T1 Auto Gate 2	506	485	21	11.78	2.56	4.24	1.79	0.13	0.37
T1 Auto Gate 3	814	800	14	11.01	2.56	4.07	0.90	0.13	0.30
T1 Auto Gate 4	1,022	991	31	10.75	2.56	4.06	1.02	0.13	0.37
T1 Auto Gate 5	1,081	1,061	20	10.20	2.49	4.07	1.00	0.13	0.37
T1 Auto Gate 6	1,006	1,000	6	11.71	2.62	4.03	0.96	0.13	0.34
T1 Auto Gate 7	1,190	1,179	11	12.67	2.56	4.06	1.66	0.13	0.35
T1 Auto Gate 8	1,572	1,550	22	12.03	2.56	4.02	1.86	0.13	0.34
T1 Auto Gate 9	1,621	1,561	60	12.58	2.62	4.15	1.60	0.13	0.34
T1 Auto Gate 10	1,757	1,660	97	19.46	3.43	4.16	2.05	0.13	0.33
T101 Assistance Lane	670	613	57				1.87	0.12	0.32
T102 Assistance Lane	455	402	53				1.86	0.12	0.36
T103 Manual Gate	93	78	15				0.28	0.12	0.17
T104 Manual Gate	264	248	16				0.59	0.12	0.20
T105 Manual Gate	8,625	8,568	57				2.28	0.12	0.25
T106 Manual Gate	118	116	2				0.42	0.14	0.21
T111 Manual Gate	7	7	0				0.36	0.17	0.25
T121 Manual Gate	884	880	4				1.80	0.14	0.26
T123 Fast Track	379	368	11				0.42	0.12	0.20
T124 Fast Track	200	190	10				0.37	0.14	0.23
T125 Fast Track	144	144	0				0.34	0.16	0.22
T126 Manual Gate	2	2	0						
<b>Total</b>	<b>23,007</b>	<b>22,786</b>	<b>221</b>	<b>19.46</b>	<b>2.42</b>	<b>4.12</b>	<b>2.28</b>	<b>0.12</b>	<b>0.30</b>



### Boarding Gates

Utilising Mach-SmartAccess® at boarding gates again optimises resources whilst increasing operational efficiencies, along with the provision of secure and accurate PAX tracking data. An optional printer can be integrated in the gate to provide PAX's with seat allocation prior to boarding.

Mach-SmartAccess® 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 Searching of Threat Baggage.

With Consumer Satisfaction Being of Paramount Importance, It Has Been Recognised that the Passenger Experience is Significantly Enhanced when Presented with the Controlled, Securely Managed and Efficient Environment That Mach-SmartAccess® Solution Guarantees.

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



### Biometric Validation

Mach-SmartAccess® can also deliver a totally integrated Biometric Solution offering self-service enrolment and reconciliation access points and/or PRM enrolment and reconciliation access points. Passengers rejected at self-service access points by positive reject and/or timeout will be directed to the locally manned PRM desk.

Biometric Solutions available include Facial, Finger Print and Near Infra-Red facial (NIR) recognition. Any combination of which can be seamlessly incorporated into Mach-SmartAccess® Auto Gates and/or Mach-SmartAccess® manned PRM gate desk. Better than human authentication, the system works consistently 24 hours a day.

Mach-SmartAccess® integrates with any 3rd party biometrics systems.

**PRM  
Access Gate**



**Grouped Boarding Pass  
Access Gates**

Mach-SmartAccess® module design caters for single or multiple access gates to be configured for use at any security access point throughout the airport. Dependent on the access point security level the gates can be manned or unmanned. With Mach-SmartAccess® gates strategically positioned throughout the airport, PAX's access data provides accurate PAX's tracking and statistics for airport/airline SLA's



# 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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