

MB FAST GATE & KIOSK

FULLY AUTOMATIC BORDER & ACCESS CONTROL SYSTEMS



MB KIOSK

FULLY AUTOMATED BORDER MANAGEMENT SYSTEM

Security, increasing mobility and harmonization are the core elements of efficient border management.

As passenger flow rates are constantly increasing and the requirements for border crossings are as stringent as never before, air/seaport and land border operators worldwide demand to improve and streamline their passenger verification processes. In close cooperation with ICAO and IATA, the immigration authorities are looking for advanced systems and solutions to further optimize the efficiency of border management.

Currently, various approaches and pilot projects aim to reduce the system's prevalent restrictions and bottlenecks such as the manual border control check, long waiting times, stress and security risks. An optimization of the passenger flow via automated gates and decentralized / distributed kiosk systems may be the solution to this issue.

Mühlbauer's self-enrollment station, MB KIOSK, provides a pre-registration facility for travelers, which is based on travel document validation and the biometric identification and verification of the traveler. The integrated PCD (Passenger Control Device) supports live biometric verification and travel document validation. It features an integrated user guidance which is displayed on the screen. After completing self-enrollment at the MB Kiosk system, the traveler may proceed to the MB FAST GATES to complete the border control process. Thus, the PCD improves the traveler's experience at air/seaports and land borders as

it reduces passenger queuing times and ensures a faster and hassle-free border crossing.

The MB KIOSK system is adaptable to individual project requirements and stores all the data the immigration authorities require during the migration process. These include amongst others the travel documents, the holder of the document, the actual process procedures or feedback from background systems, for example regarding national and international watch lists. Furthermore, MB KIOSK can be combined with Mühlbauer's registered traveler system MB Bridge.

An IATA study states that, by 2050, the annual passenger volume will increase to 16 billion per year. Immigration authorities and airport operators are now free to establish state-of-the-art border management systems in order to improve the airport's performance and security level, manage the continuously growing passenger flow and at the same time save costs.

MB KIOSK & MB FAST GATES guarantee:

- More efficient use of airport spaces & resources
- Reduced passenger queues
- Improved airport revenues
- Highspeed, multi-biometric verification & enrollment
- Individual customer configuration
- Intuitive user guidance for optimized traveler use

KEY MODULES



Smart card reader



Receipt printer



Passport reader



Face verification



Ticket reader



Iris scan



Barcode reader



Fingerprint reader



MB FAST GATE

FULLY-AUTOMATED BORDER & ACCESS CONTROL SYSTEM

The Mühlbauer FAST GATE system smartly combines modern, cost-efficient design and latest technology to speed up, facilitate and secure border and access control. The user-friendly, intuitive gates enable individuals a comfortable and fully-automated border crossing or access control process.

Thanks to their modular hardware and software architecture, Mühlbauer's FAST GATES allow for a high degree of customization flexibility: According to a project's individual requirements, single components can easily be replaced or extended. MB FAST GATES can also be integrated in a highly versatile structure and with multiple backend systems.

MB FAST GATES provide high-speed, multi-biometric verification of individuals. ID documents are checked electronically and optically according to completeness, validity, correctness and holder authenticity in a fully automated way. Live data is either verified against data which are stored in the chip and in the document (autarkic mode) or matched with external data bases such as watch lists, national data bases, AFIS and FRS systems (integrated mode).

To further increase the security level of Mühlbauer's FAST GATE series, the gates can be equipped with a comprehensive on-line video surveillance system to support traveler separation and avoid incidents such as multiperson access, climb-over or break-through. In addition, objects left behind can easily be recognized and monitored. Along with these supplemental features, MB FAST GATES achieve the highest possible security standards. All of the MB FAST GATES components are arranged ergonomically to support passengers to understand the gate's operation and guide them through an intuitive border management process which:

- ▣ reduces human failures to a minimum and
- ▣ ensures a seamless and fully-automatic border management process

As MB FAST GATES are used by human beings and thus process sensitive personal data, privacy is a major concern. Therefore, the MB FAST GATE'S system is designed according to security standards such as:

- ▣ Machine design standard e.g. ISO, GDPR
- ▣ Best Practice Guidelines of IATA, FRONTEX and ICAO



Strategic
Partner



KEY MODULES



Passport reader



Iris scan



Smart card reader



Fingerprint reader



Barcode reader



Separate terminals



Face verification



FEATURES & ADVANTAGES

- ▣ Available Gates – single step, two steps
- ▣ Advanced integrated biometrics – face recognition, IRIS, fingerprint reader
- ▣ ICAO-compliant document reader
- ▣ Inbuilt detection technology – multiperson access, left objects, etc.
- ▣ Display for intuitive user guidance
- ▣ Individually customizable
- ▣ Easy to integrate with third-party software/systems
- ▣ Gate monitoring software





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