



ImmSec FL

Immigration Gate

The Gunnebo ImmSec is a specifically designed double gate interlock solution used for the automated validation of travellers at immigration checkpoints and border crossing. The slim and ergonomic design allows the ImmSec to be installed in single or multiple lane configurations, providing an open feel to the traveller without compromise to security.

The gate automates and speeds up the immigration process and can accommodate travellers with standard cabin luggage. Families and assisted travellers will still be handled in the conventional way by the immigration personnel.

Designed upon a modular chassis platform to provide flexibility in accommodating different data and biometric capture and verification devices which are integrally mounted on the entry to the gate for pre-capture and validation or internally between the secure interlocked gate panels.

Security is further enhanced with a stereoscopic vision system for single person and left item detection which combined with strategically placed sensors, detect attempted climb over and crawl under events.

Gunnebo has employed its robust mechanism philosophy to keep operation and maintenance cost to a minimum and maximise throughput.



ImmSec

Technical Specifications

Drive

High reliability DC motor and brake mechanism

Materials

Casework: 304 grade grained stainless steel
Moving panels: 12mm frameless toughened glass
Side panels: 10mm toughened glass

Function

Uni and Bi directional electronic passage control with single person detection and monitoring to facilitate Immigration passport verification processes

Operating Modes

- Normally open - entry door is open for traveller to enter for in-lane validation
- Normally closed - pre-data capture and validation is required before the entry gates will open to allow secondary verification inside the gate
- Verification rejection - the entry gate can be configured to automatically open to allow the traveller to vacate and seek assistance or the traveller is held awaiting immigration officials for support
- Emergency - the entry and/or exit gates can be individually configured to open or close for the duration of the emergency

Detection

Stereoscopic vision system for single person and left item detection, examples



Strategically Tx/Rx IR sensors for safety, climb over and crawl under detection.

User Interface

Industrial PC connected to a main control and command station to monitor and control the gate activities.

BENEFITS

- Reduction in staffing costs
- Glazed passageway gives high visibility of passenger progress
- Superior Single person detection system
- Left item detection

FEATURES

- 600 and 900mm clear walkway configurations
- Traveller status lights
- Fail safe power failure
- Emergency opening configurable
- Local or remote control
- Suitable for biometric peripheral interface

APPLICATIONS

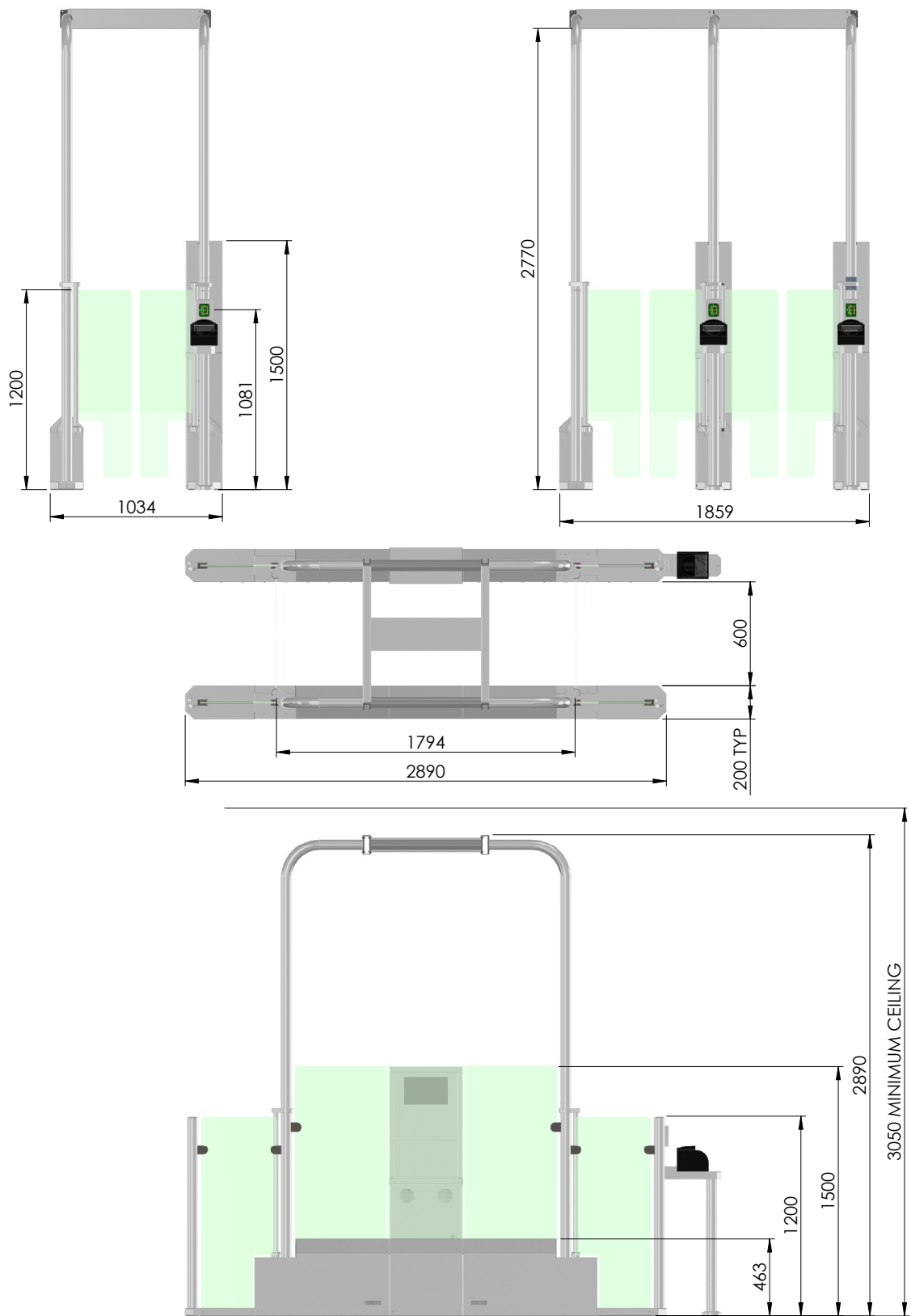
- Airport
- Seaports
- Land borders

TECHNICAL DATA

- | | |
|-------------------------|---|
| ▪ Power Supply | 110/230Vac 50/60Hz |
| ▪ Power Rating | Operational 450VA Standby 170VA |
| ▪ Operating temperature | -5°C to 45°C 9% RH non-condensing |
| ▪ Flow Rates | Dependent on individual Immigration verification requirements |
| ▪ MTTR | >30 minutes |
| ▪ MBTF | 10 million cycles |

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Site Preparation



Concrete Base to specification at least (cube) 300N/mm² of resistance. Base to be flat and level to +/- 5mm over footprint area.

International Standards

CE compliance meeting the following directives:

- 89/336/EC EMC
- 72/23/EC Low Voltage
- 987/37/EC Machinery

Norms

- EN 60335-1 (2002) Safety of Household appliances and special electrical appliances
- EN 61000-6-3 (2002) Electromagnet compatibility - generic standard, emission
- EN 61000-6-2 (2002) Electromagnet compatability - generic standard, immunity
- UL compliance to the standard:
 - UL 325 Door, Drapery, Gate, Louver and Window Operators and Systems

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