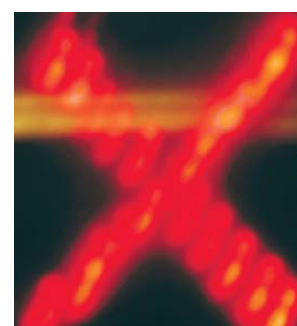
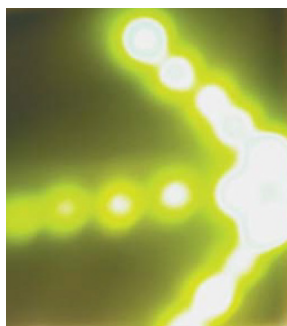


PUBLIC TRANSPORT SOLUTIONS

Improving Mobility



GUNNEBO[®]
For a safer world

Improving Mobility

Selecting the optimum gate solution for a Mass Transit application is a process based upon close cooperation between Gunnebo, the system integrator and the transport operator.

Gunnebo, through many years of global experience has gained extensive knowledge within the public transport sector to derive a range of AFC (Automatic Fare Collection) gates suitable to withstand the everyday rigours of mass transit use; combining heavy passenger throughput and safety, the need for reliability, robustness, and prevention of fare evasion.

All this is achieved through Gunnebo's ergonomic design, offering high-efficiency operation with minimum serviceability and low running costs, all of which helps protect the operator's capital investment and current and future running costs.

Whatever solution you are looking for, Gunnebo has the answer from gates that offer security against unauthorised passage, high throughput, prevention against tailgating to gates that are cost-effective and require a small footprint.

Gunnebo offers the following gates from either a standard portfolio or a fully customised package:

- **Bi-Parting Gates** - tailgating prevention and high throughput
- **Full Panel Gates** - security against unauthorised passage
- **Flap Panel Gates** - small footprint
- **Tripod Turnstiles** - cost-effective

As fare collection is the main revenue stream for public transport systems with the highest passenger comfort and safety, access control and fare collection solutions need to allow high flows of passengers and accurately check ticket validity. The use of more than one mode of transport during a journey is increasing and new technologies are required for multiple fare systems to be linked. Gunnebo's gate solutions continue to evolve with new technologies such as Radio-frequency identification (RFID) and near field communication (NFC).

Automatic Fare Collection Gate Features

- Variable walkway widths
- Special needs user compliant
- Ticket reader integration
- Highly sophisticated and reliable single person detection
- Microprocessor control logic
- Safety system monitoring the drive and passenger proximity
- Highest throughput
- Silent operation
- Low serviceability and power consumption
- High reliability

Key Benefits

- **Fare Collection**
- **Security**
- **Safety**
- **High throughput**
- **Durability**





Bi-Parting Gates

The Bi-Parting Gate consists of retractable flaps and with its unobtrusive design does not discriminate between passengers. The elderly, people with special needs and people with luggage have equal access to the station platform with a valid ticket.

Key Benefits

- High passenger throughput - 60 passages per minute
- High prevention against tailgating
- Unobstructive visibility for passengers

Key Features

- Compact stainless steel cabinet construction
- Single passage detection
- Telescopic flap for wide lanes
- Special semi-rigid non-deforming impact absorbing flap panels
- Retractable single or telescopic flap panels
- MCBF: 12M cycles





Full Panel Gates

The Full Panel Gate offers high security prevention through the use of tall retractable glass panels which slide into the cabinet when the passenger's ticket is authorised.

Key Benefits

- Highest security against unauthorised passage
- Effective prevention against tailgating
- High throughput - 60 passages per minute
- High prevention against passengers climbing over or crawling under the gate barriers

Key Features

- Stainless steel cabinet construction
- Single passage detection
- 600 and 900mm walkway widths
- Variable glass panel heights, 1200mm to 1800mm





Flap Panel Gates

The Flap Panel Gate offers a high aesthetic solution constrained within a narrow cabinet, offering varying levels of passage control with a high degree of local customisation.

Key Benefits

- Small footprint (170mm housing width)
- High resistance against vandalism
- High security against unauthorised passage

Key Features

- Narrow casework
- Easy customisable end leg options
- Common central core
- Panel height from 0.9 to 1.8m using glass or semi-rigid PUR panels
- Passage widths from 0.55m to 0.9m
- MCBF: 10M cycles
- Soft panels are available
- Small housing widths also available for wide lanes





Tripod Turnstiles

The Tripod Turnstile operates around traditional technology and is simple in operation yet suitable for integration into any modern-day fare collection system. This solution is diverse in design to fit on to any station concourse or compact enough to fit onboard buses and trams.

Key Benefits

- Cost-effective solution
- Small footprint - one housing
- High prevention against tailgating

Key Features

- Passage confirmation
- Optional casework designs
- Ticket reader integration and ticket bins
- Drop arm option to provide clear egress in case of emergency
- Only one housing required per lane



»» GLOBAL REFERENCES



GLOBAL REFERENCES

ASIA: Adana, Bangkok, Beijing, Bursa, Chengdu, Chennai, Guangzhou, Hangzhou, Harbin, Hong Kong, Jakarta, Liangyungang, Nanjing, New Delhi, Seoul, Shanghai, Shenzhen, Shenyang, Singapore, Taipei, Tianjin, X'ian, Zhengzhou

AUSTRALIA: Melbourne, Perth

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MIDDLE EAST: Dubai, Tehran

NORTH AMERICA: Montreal

CENTRAL AMERICA: León, Mexico City, Panama City, Puebla

SOUTH AMERICA: Baranquilla, Bogota, Manizales, Medellin, Mio Cali

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