



- Aug. 2012

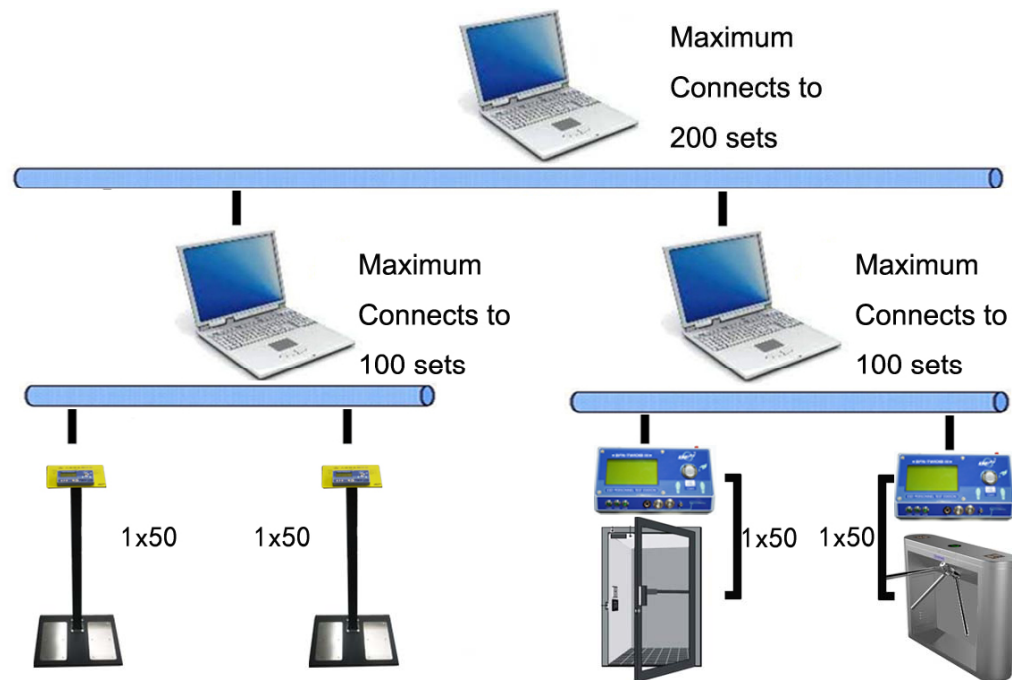
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# EGS Overview

- **EGS** (Entrance Guard System) is developed as a synthetic-instrument with functions of ESD testing, access control and the work attendance checking. There are 2 models to the market, TW1018-III (without voice function) and TW1018-IV (with voice function).



# EGS Features

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- TW1018-III (without voice function) and TW1018-IV (with voice function) concentrate the functions of ESD testing, access control and the work attendance checking.
- ESD testing mode has 3 independent units (left shoe, right shoe and wrist strap) to finish the testing synchronously.
- LCD display shows the resistance value (shoes:  $0.75\text{M}\Omega$  –  $99.99\text{M}\Omega$ ; wrist strap:  $0.75\text{M}\Omega$  –  $9.999\text{M}\Omega$ ). “LO” or “HI” will show up once the value is below or above this range.
- Automatic alarm with the testing range auto switch.
- Once the testing pass, the door open signal will control the lock of turnstile, air shower or other door locks.
- There are 2 ESD testing modes, EMPLOYEE & CUSTOMER.
  - EMPLOYEE mode: ID/IC card scan with name, card #, date and 4 ESD testing setting
    - A. Card scan, door open if wrist strap and shoes all pass
    - B. Card scan, door open if shoes pass
    - C. Card scan, door open if wrist strap passes
    - D. Card scan, door open directly after press the button
  - CUSTOMER mode: no need card scan, door open if wrist strap and shoes all pass
- Automatically record and save the ESD testing data (except CUSTOMER mode), the maximum records up to 10,000.
- The personal files can be imported from the company HR's database to download the information of registration name, card # and testing mode to the host machine (maximum registration records up to 10,000). The backstage database management in the SQL server is managed by the bundled software to sort and query, and all the testing results can be exported to excel file.

## EGS Features – con't

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- The system bundled software can manage 200 TW1018-III / IV working synchronously and the software is upgradable.
- IC or ID card scan function is optional based on customer's request. The custom made scan mode also available, eg. bar code laser scan, fingerprint reader and etc.
- The bundled software can real timely monitor the extension sets' status and regularly or real timely acquire the ESD data to upload to the PC database.
- The equipment type, software title, color, background picture and some other functions can be modified based on custom needs.
- It use the 485 communication port to connect with the PC, the communication distance can up to 1,200M, multiple PCs can share the database to centralize the data management in the LAN.
- The recordings of TW1018-IV can be custom made, and also can be turned down or turned off in the software.

# EGS Features – con't

- Outside view



Turnstile  
Outside View



Vertical Type  
Outside View

# Installation Layout Scenarios

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- Various types of gate barrier



Standard Turnstile A



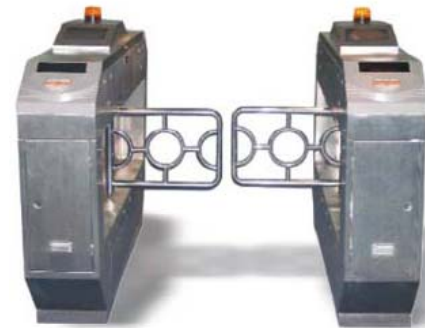
Standard Turnstile B



Compact Turnstile



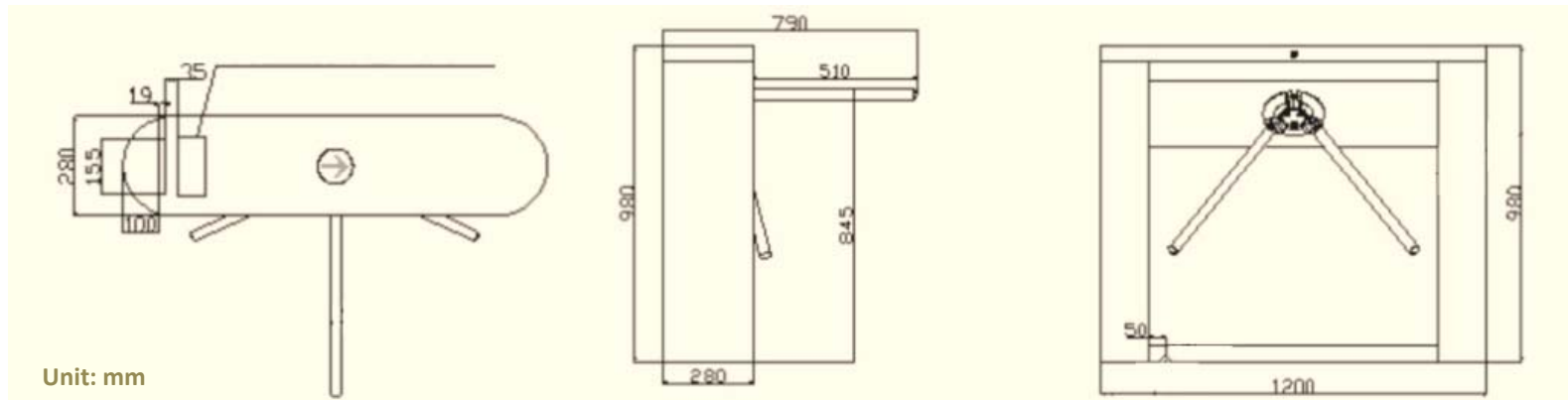
Flap Gate



Auto Swing Gate

# Installation Layout Scenarios – con't

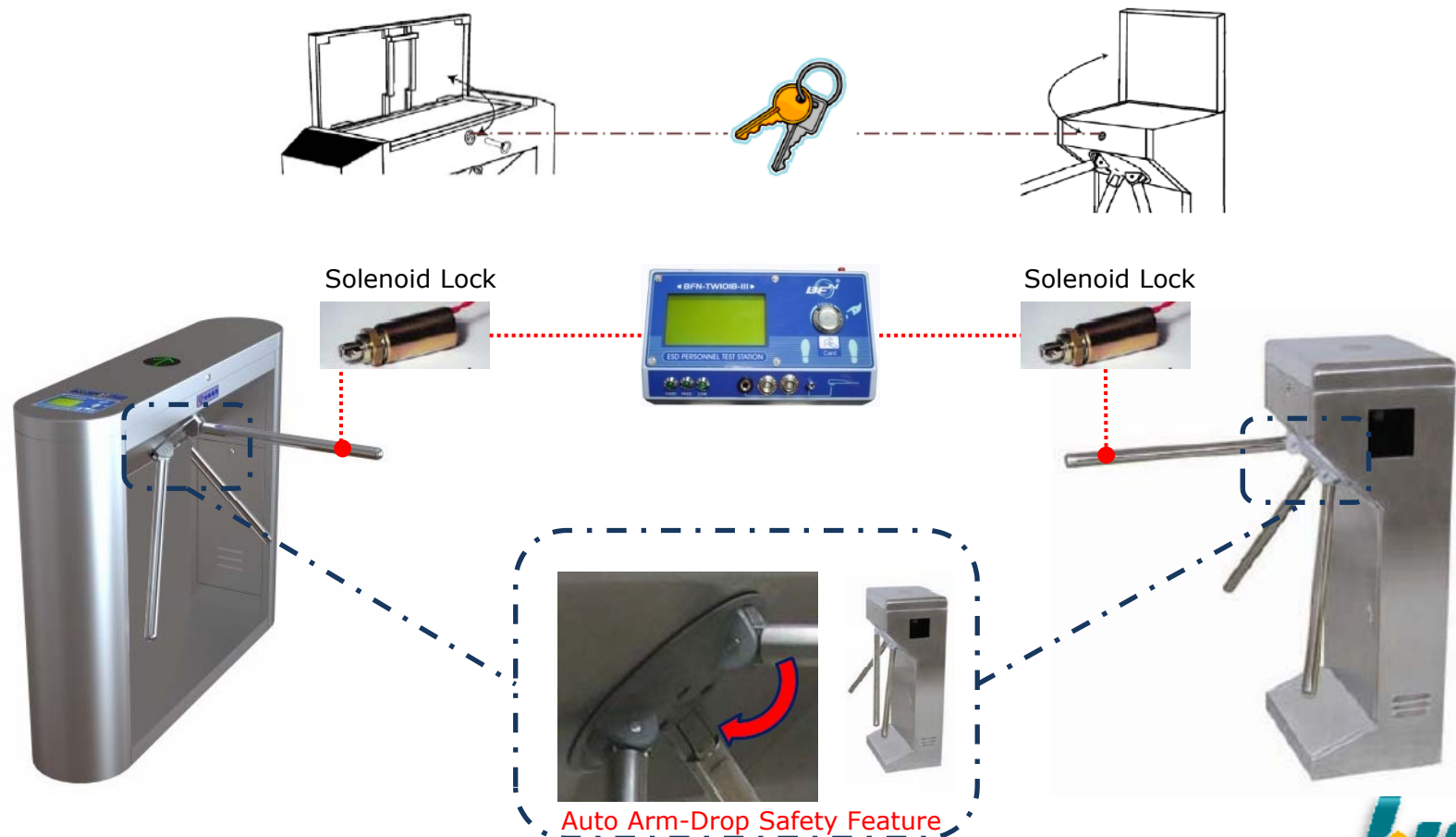
- Specification of standard turnstile A



- **Material:** GB304 Stainless Steel
- **Weight:** ~ 70Kg
- **Max. Force to Brake Bar:** 80Kg
- **Brake Bar Veer:** One Way / Both Way
- **Light Alarm:** High light passing state instruction (don't show at ordinary time, flicker when passing)
- **Motor:** 12V / 20W DC motor
- **Brake Bar Open Time:** 0.2s
- **Standard Dimension:** 280(W)\*1200(L)\*980(H) mm
- **Length of Brake Bar:** 510mm
- **Driving Power of Brake Bar:** 3Kg
- **Emergency Action:** Auto arm-drop when power cut
- **Passing Speed:** ~ 30HC / Min

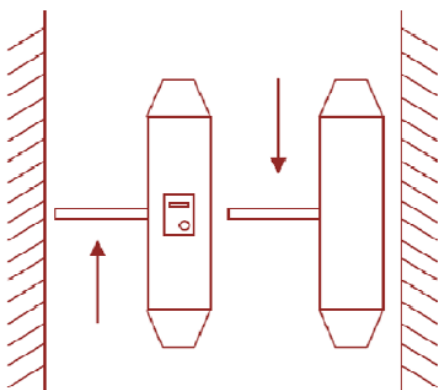
# Installation Layout Scenarios – con't

- Turnstile – safety systems

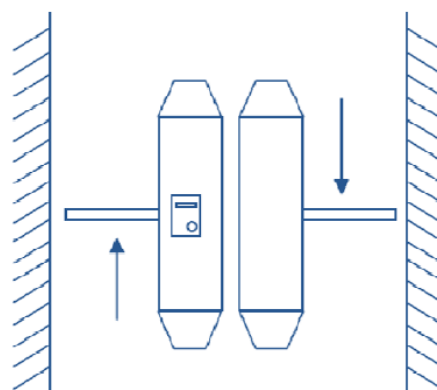


# Installation Layout Scenarios – con't

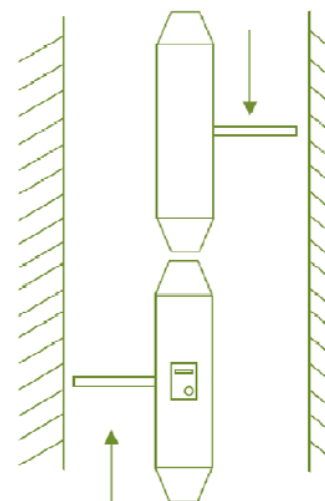
- Turnstile – various layout plan



Side by Side – Type 1



Side by Side – Type 2

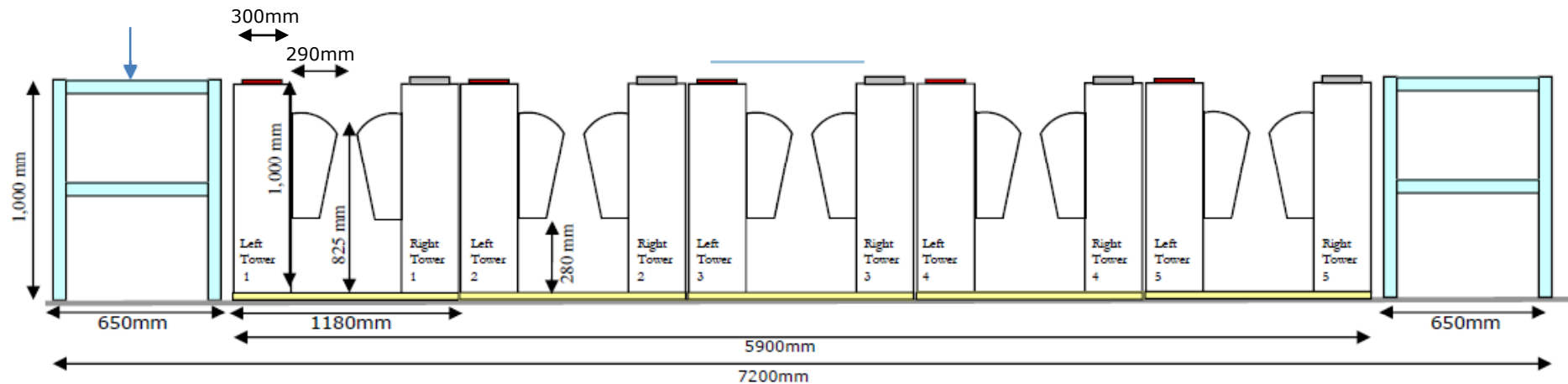


End to End – For long  
and narrow passage way

- The installation layout plan will fully consider the factory's layout plan and actual needs.

# Installation Layout Scenarios – con't

- Flap gate – layout plan



- The installation layout plan will fully consider the factory's layout plan and actual needs.

# EGS Software Introduction

- EGS Software Main Interface



# EGS Software Introduction

- Automatic Employee Database Update-Online Synchronization with HR Database

The screenshot displays the EGS Software interface, which includes a Microsoft Excel window and an Excel Operation dialog box.

**Microsoft Excel - rsb**

	A	B	C	D	E	F	G	H
1	Name	Card NO.	Dep	ESD	NO.			
2	Machel	1 RD		2	a12			
3	Peter	2 RD		2	a11			
4	Karter	3 Pro		4	a10			
5	Tmac	4 Pro		3	a9			
6								
7								
8								
9								

**Excel Operation**

ESD Mode:

- ☐ Overlay do database
- ☒ Increase do database

1, Wrist and work shoe  
2, Work shoe testing.  
3, Wrist testing.  
4, Pass directly.

No.	Name	Card NO.	Department	ESD ...	Work ...
1	Machel	0000000001	RD	2	a12
2	Peter	0000000002	RD	2	a11
3	Karter	0000000003	Pro	4	a10
4	Tmac	0000000004	Pro	3	a9

**Employee**

search

Card search

Department Infromatio

RD  
Pro

NO. Work number Name Card NO. Department ESD Mode

2	a11	Peter	0000000002	RD	2:Work shoe testing
1	a12	Machel	0000000001	RD	2:Work shoe testing

The single downloads machine No. 00

Download the instrument

Hair card function off

In do Data Cancel

In Excel Backup

Add Close Delete Change

COM. port status: COM. port has opened Hint: RDQuantity of staff is2 System time:

# EGS Software Introduction

- EGS ESD Data-Logging Software (Realtime display the Loggineg information),And Report with Pass/Fail;
- Data Base-Record View: ESD Result(Including the detail ESD data)

**Search**

Search options: ☐ Dep Search, ☐ ESD Search, ☒ Date Search

Search criteria: RD, Pass, 9/10/2012 12:00 To 9/10/2012 11:59

Buttons: Search, Out Excel

ESD recorder history

1#	2#	3#	4#	5#	6#	7#	8#	9#	10#	11#	12#	13#	14#	15#	16#
Department	Name	Card No.	Left shoe	Right shoe	Wrist strap	Date and Time	Machine No.	Status	Work number						
Pro	Karter	0078773742	31.52MΩ	29.29MΩ	1.470MΩ	2000-02-01 01:00	2	ok	a10						

Buttons: Start, On-Line Set

Move section:

mach: 02, Name: Karter, card No.: 0078773742

Buttons: Read record, Clearance

Photo of Karter

wrist: 1.470MΩ

L Foot: 31.52MΩ

R Foot: 29.29MΩ

Auto section:

M...	Time ...	Mission ...	Carry out ...
4	23:23:00	Carry out	2,
5	16:43:00	Carry out	2,
6	17:46:00	Carry out	2,
7	09:00:00	Carry out	2,
8	08:12:00	Carry out	2,
9	01:07:00	Overdue	2,

Set Time: 8:00:00

Buttons: Add, Change, Delete

Text: This function starts to read automatically in

Result: ok

Buttons: Tray, X, Canc

ANSI ESD S20.20 Standard

Standard scope:wrist:0.75MΩ-9.999MΩ shoe: : 0.75MΩ-99.99MΩ

COM. port status: COM. port has opened

Hint: No.2Have no the record!

System time: 2012-09

## Benefits after EGS

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- Realized in ESD Intelligence management
- Decreased administrative costs.
- Easy to Install
- Economical

