VTS GLOBAL
MARKETING

ESD

ACCESS CONTROL SYSTEM SOLUTION

By VTS@2021

SUOVIDE MODERN PRODUCTION MANAGEMENT MEWKRGV

ESD ACCESS CONTROL MANAGEMENT MODE

Through the all-round monitoring of the electrostatic testing area, managers and management personnel can easily understand and grasp the use of gates and equipment operation conditions at various locations, and solve problems in time, which can effectively improve the work efficiency of management personnel. Necessary measures to improve management

(1). The employee only needs to swipe his card to test the wrist strap instrument to determine the displayed resistance value, and the gate will automatically open in the OK range.

(2). The employee only needs to swipe the card to test the electrostatic shoes. The A10 instrument judges and displays the resistance value of the left and right feet, and the gate opens automatically in the OK range.

(3). The employee needs to test the electrostatic shoes and wrist strap by swiping the card. The A10 instrument displays the resistance value of the hand shoes, and the gate will automatically open in the OK range.

(4). Customers and VIPs want to enter the workshop to watch, we have prepared a VIP test-free card for him, and the gate will open automatically when the card is swiped.

(5). If the boss or manager wants to enter the workshop, we have also prepared a special card for you, and the gate will open automatically when you swipe the card.

(6). It can be equipped with fingerprint recognition or face recognition before testing.

SYSTEM FEATURES

ESD access control management system is carefully designed and manufactured based on years of technical channel access research and demand analysis. It integrates UHF card reading technology, network digital technology, remote alarm technology, computer network software technology, and barrier-free channel technology. ESD access control management system.
The system meets the safety requirements of safe production. It is an integrated system integrating channel management system, monitoring system, anti-static access control system, voice prompt system, etc.

RFID CARD AND IC CARD AUTOMATIC RECOGNITION/ FINGERPRINT RECOGNITION/FACE RECOGNITION

The system uses radio frequency technology to realize swiping card to identify personnel information, retrieve database information and synchronization in real time, multiple people can pass through at the same time, and can also be quickly identified. It can also be identified and prompted without registration in the system.

ANTI-STATIC TEST

The anti-static test instrument can quickly determine the tester's combination test of electrostatic ring, left foot electrostatic shoes, right foot electrostatic shoes, etc.Each channel can enter and exit, which greatly improves the utilization rate of the equipment. When personnel pass, the system can automatically identify the direction of entry and exit.

REAL-TIME UPLOAD OF SWIPING CARD INFORMATION

The anti-static test instrument can quickly determine the tester's combination test of electrostatic ring, left foot electrostatic shoes, right foot electrostatic shoes, etc.Each channel can enter and exit, which greatly improves the utilization rate of the equipment. When personnel pass, the system can automatically identify the direction of entry and exit.

MULTIMEDIA SIGNAGE LINKAGE MONITORING FUNCTION

A large display screen is installed at the gate channel site, and the information of the unqualified personnel in the testing department is displayed on it and marked in red for the leaders and customers to watch and verify at any time.

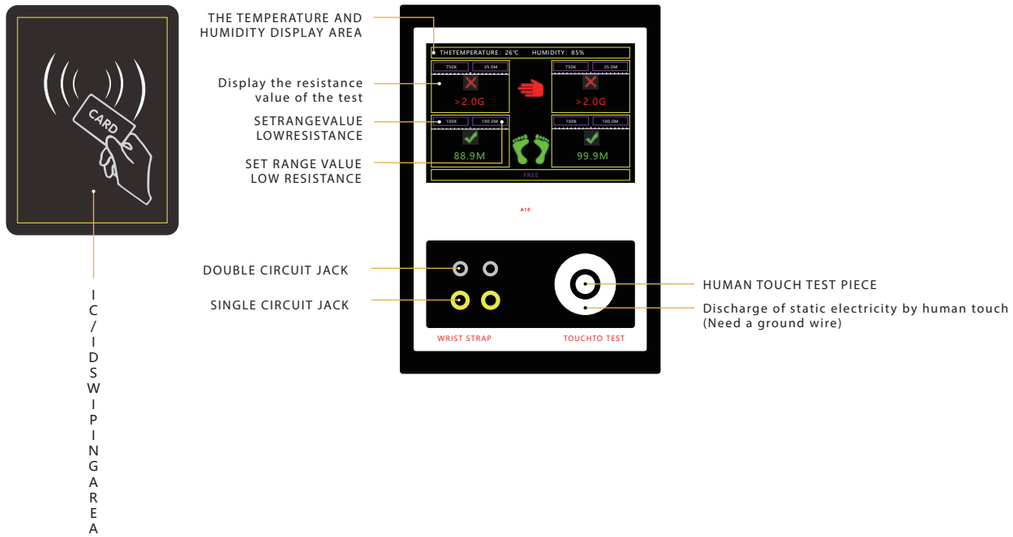
ALARM FUNCTION

For people who do not have a card or have an illegal card, when they pass through the gate channel, the gate channel will immediately give an audible and visual alarm. For example, during the commute, illegal persons and people who are not on this floor will follow behind and enter the gate. The system can automatically identify, effectively prevent outsiders from entering, truly combine human defense with technical defense, and make up for management loopholes.

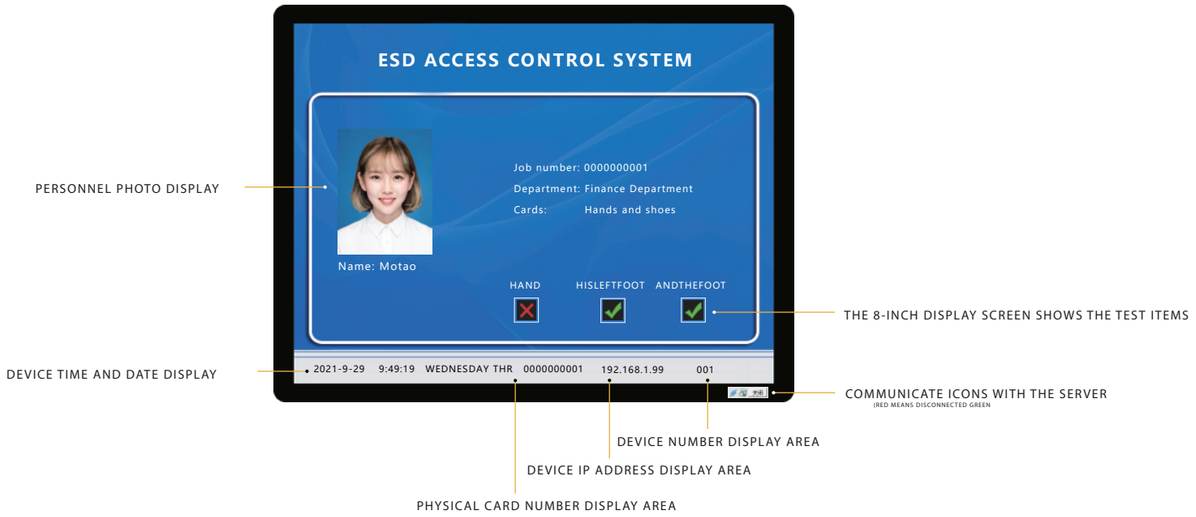
ESD ACCESS CONTROL MANAGEMENT SYSTEM

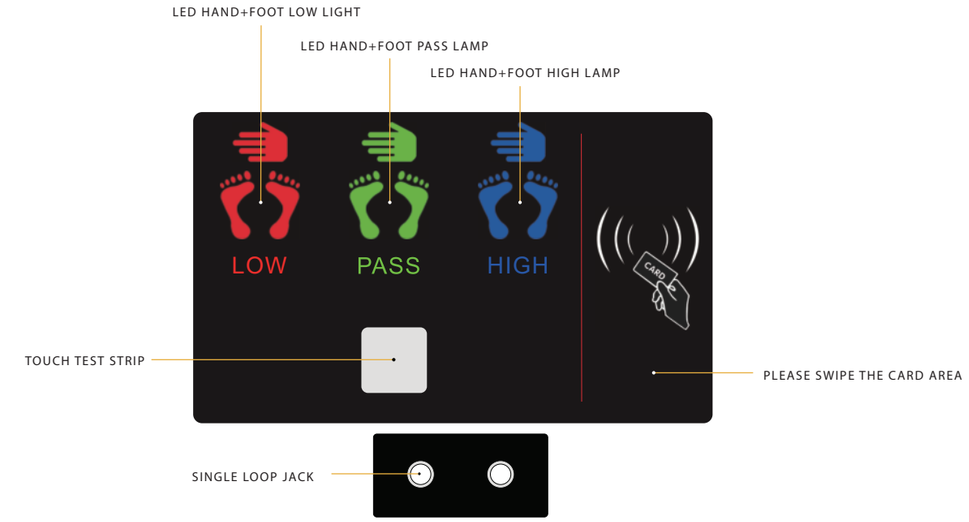
SYSTEM STRUCTURE AND COMPOSITION

VTS-A10 DIGITAL DISPLAY ESD TEST-



VTS-I8 STATUS INDICATOR ESD TEST HOST





The system consists of radio frequency card reader (optional ID/IC), channel gate VTS-A10 tester, Linux motherboard, 8-inch display, foot test pedal Single and double loop socket, and platform management software

/CARD READER/

The system consists of radio frequency card reader (optional ID/IC),channel gate, VTS-A10 tester, Linux motherboard, 8-inch display, foot test pedal Single and double loop socket, and platform management software

/ANTI-STATIC TESTER/

The system consists of radio frequency card reader (optional ID/IC),channel gate, VTS-A10 tester, Linux motherboard, 8-inch display, foot test pedal Single and double loop socket, and platform management software

/TWO-FOOT TEST PEDAL/

It is more efficient, more convenient and more beautiful than the ordinary one-leg test.

/SINGLE AND DOUBLE CIRCUIT SOCKET/

It is equipped with a single loop wrist strap and a dual loop wrist strap hole with earphone socket. Fully equipped to change at will

/PASSAGE GATE/

When personnel quickly pass through the gates, illegal identities are screened quickly and accurately, and an alarm signal is output after judging illegal ones, which reflects the organic combination of safety management and humanized management

/LINUX MOTHER BOARD/

Provides a large amount of data storage, the network can transmit gigabit and supports a variety of interface examples (USB2.0, serial port, HDMI) to connect to high-resolution display, the scalability is very large

/8-INCH LCD DISPLAY/

It can basically have the same function as the LCD monitor we use. It can display photos with very high definition and process display data at a high speed, and the most important thing is that it can be perfectly combined with the gate to make it more atmospheric

/BACKSTAGE MANAGEMENT SOFTWARE CIRCUIT SOCKET/

Mainly equipment management and data collection, comprehensive processing of data, monitoring equipment management, network linkage, alarm linkage, network mail sending, and timely summary of data reports.

MAIN FUNCTIONS OF THE SYSTEM

- Support simplified and traditional Chinese and English 3 languages, choose any language, you can also customize to add other languages.
- Real-time display of test resistance value, visual display of icons, swiping card, etc., automatic data collection.
- Support full-screen record display, support live voice broadcast.
- Test wrist strap (support single loop/dual loop/cordless).
- Test static shoes (support single foot test and double foot test).
- The test range range can be written freely by the computer, and the range range value.
- Integration of test + swipe card + display, the integration of stainless steel and acrylic.
- Can coordinate with the time and attendance software, the database of the time and attendance software and the database of the ESD system software must be on the same computer.
- The data sheet provides import and export functions; it is convenient for customers to process work..
- The software automatically synchronizes the time, and the personnel list is automatically synchronized to the ESD equipment in real time
- Support multiple report export, list of unswiped cards, test records divided into left foot, right foot, wrist, etc.
- Data update can be selected arbitrarily, the speed is stable, and the operation is free.
- The database can be connected with other software to support real-time management and monitoring of multiple users and multiple computers.

OPERATION STEPS FOR USING THE TEST SYSTEM

THE FIRST STEP

Swipe card insert electrostatic ring + stand foot pedal

THE SECOND STEP

After swiping the card, touch the test button with your hand

THE THIRD STEP

View the results on the display

THE FOURTH STEP

Pass the test, please pass

SELECTIONOFMAINEQUIPMENT

ESD TEST ACCESS CONTROL VTS-A10 AND VTS-I8 TWO HOSTS ARE OPTIONAL

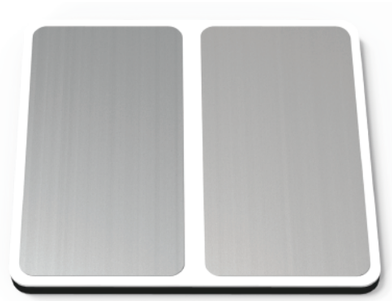
The ESD test access control instrument is one of the RS232 access control series. It usesstandard industrial-grade isolated RS232 communication. The number of devices in a management system is not limited; it can be connected to 2 Wiegand card readers to realize 1 entry and exit card swiping , It has the characteristics of stable performance, fast communication, large capacity, strong compatibility, and convenient networking.

ESD(VTS-A10)TESTER PERFORMANCE PARAMETERS

Working voltage: input DC9V1A
External dimensions: 115mm*175mm*28.5mm
Gate opening size: 99.4mm wide*159.4mm high
Working hours: unlimited
Use environment: Humidity: 0%~90% Temperature: -20C°~ 60C°
Display: 3.5-inch resistive touch screen
Instrument interface: self-contained single and double circuit
Discharge of static electricity: comes with the function of discharging static electricity from the human body
Temperature and humidity: capacitive humidity sensing is more accurate
It can run on a stand-alone machine and test the gate, or you can choose to swipe the card through the network + test the gate and the stand-alone machine has no test record.
Protection measures: semiconductor lightning protection
Read head frequency: 13.56MHz and 125kHz
Induction speed: quick response to swiping card, less than 0.1 second, interval between repeated swiping cards is less than 1 second
Input interface: standard Wiegand card reader 34/26 (RS232 input mode can be customized)
Output interface: RS232 communication
Working status: the test status LCD screen displays the resistance value of the wrist strap and
electrostatic shoes
Factory default resistance range:
Wrist strap: 750KΩ~35MΩ
Static shoes: 750KΩ~100MΩ
Touch screen to enter the menu to adjust resistance test range arbitrarily

ESD(VTS-I8)TESTER
PERFORMANCE PARAMETERS

Working voltage: input DC12V2A
External dimensions: 175MM*105MM*8MM
Gate opening size: width 175mm*height 105mm*R3
Working hours: unlimited
Environmental conditions: Humidity: 0%~90% Temperature: -20C°~ 60C°
Instrument interface: can be connected with single and double circuit, double pedals
It can be operated in a stand-alone machine, and the gate can be opened by test, or you can choose to swipe the card through the network + test the gate, and there is no test record for the stand-alone machine.
Protection measures: semiconductor lightning protection
Working frequency: 13.56MHz
Induction speed: quick response to swiping card, less than 0.1 second, interval between repeated swiping cards is less than 1 second
Input interface: standard Wiegand 34/26 (RS232 input mode can be customized)
Transmission distance: National standard five network cable> 100 meters
Working environment: temperature -20℃ ~ 60℃, glue filling treatment, waterproof and dustproof
Working status: acousto-optic working status, red light power indicator light, green light working running light, green light flashing when swiping card and buzzer sounding, green LED and buzzer can be controlled by external control line
Factory default resistance range:
Wrist strap: 750KΩ~35MΩ
Static shoes: 750KΩ~100MΩ



FOOT PEDAL UPGRADE

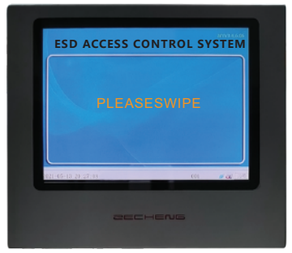
The original ordinary pedal is one layer, and the screw will conduct electricity when it touches the ground. It is easy to get wet and cause inaccurate testing. Now the upper and lower layers have been improved, and all the wiring screws are placed inside the pedals. The pedals are divided into two layers to play the role of insulation and moisture resistance, and improve the aesthetic requirements.
Moisture-proof, waterproof, drop-proof, shielded, anti-interference, more accurate testing

LINUX HOST PERFORMANCE PARAMETERS:

Broadcom BCM2837, chipset, operating frequency 1.2Ghz
64-bit quad-core ARM Cortex-A53
802.11 B/G/N wireless LAN
Bluetooth 4.1
Dual-core Vudeocore IV coprocessor
Support all latest versions of LINUX operating system
Memory: 2G
Hard Disk: 16G
Microusb connector 2.5A power supply
1 HDMI video port 1 audio port
1 100m Ethernet port
4 USB2.0 ports 40 GPIO pins
Resolution: maximum support 1920*1080
Shell material: made of aluminum alloy with high heat dissipation aluminum material
Working environment: -15-60℃ 0%-90% relative humidity
Operating system: LINUX

LINUX HOST PERFORMANCE PARAMETERS:

Industrial 8-inch LCD monitors will not be unstable like TFT color screens driven by ordinary single-chip microcomputers.



OLD SCREEN:

The old version of the screen is easy to jump, a snowflake point, poor picture quality

RECOGNITION METHOD FACE OR SWIPE CARD OR FINGERPRINT MACHINE MULTI-MODE OPTIONAL

VTS-FACE63 DYNAMIC BINOCULAR FACE

IC/ID CARD READER

VTS-FACE63 DYNAMIC BINOCULAR FACE

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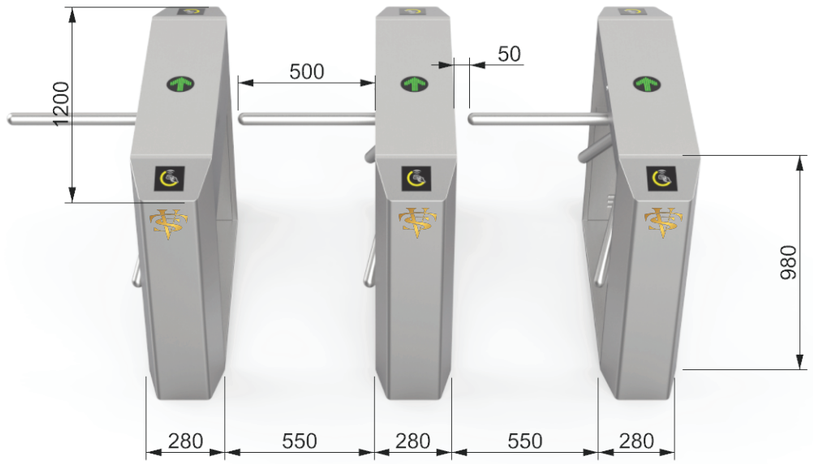
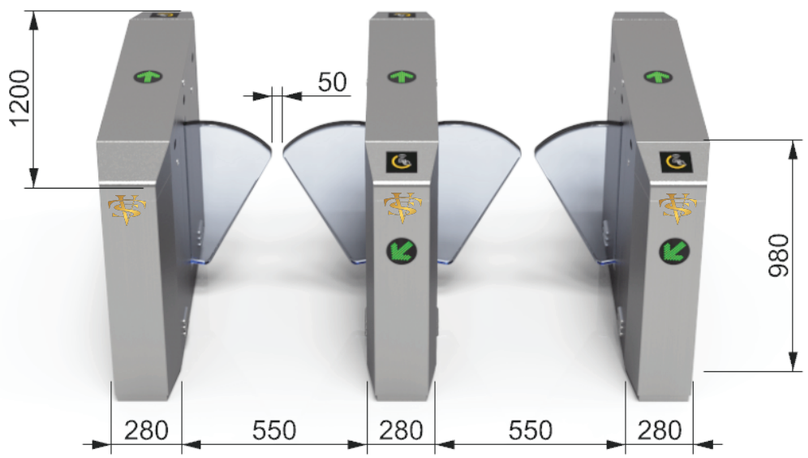
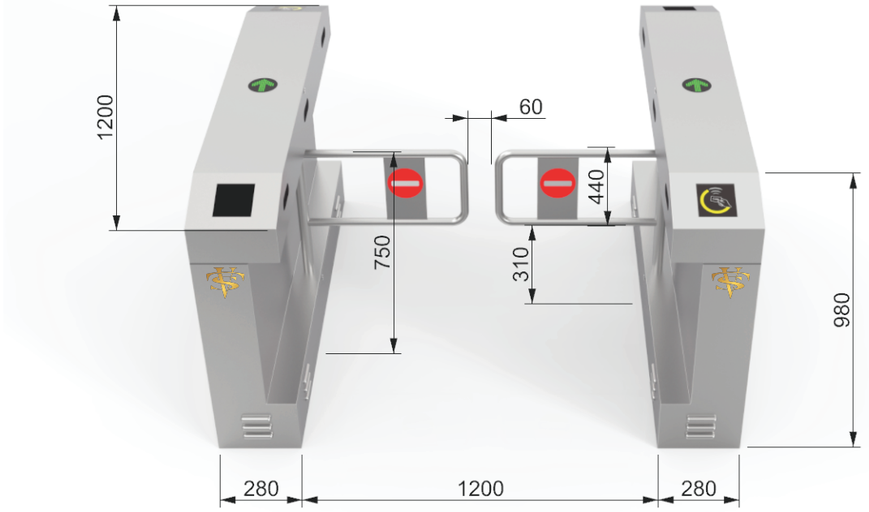
Tripod turnstile gates / wing gates / swing gates / speed gates / sliding turnstile gates, a variety of styles are available



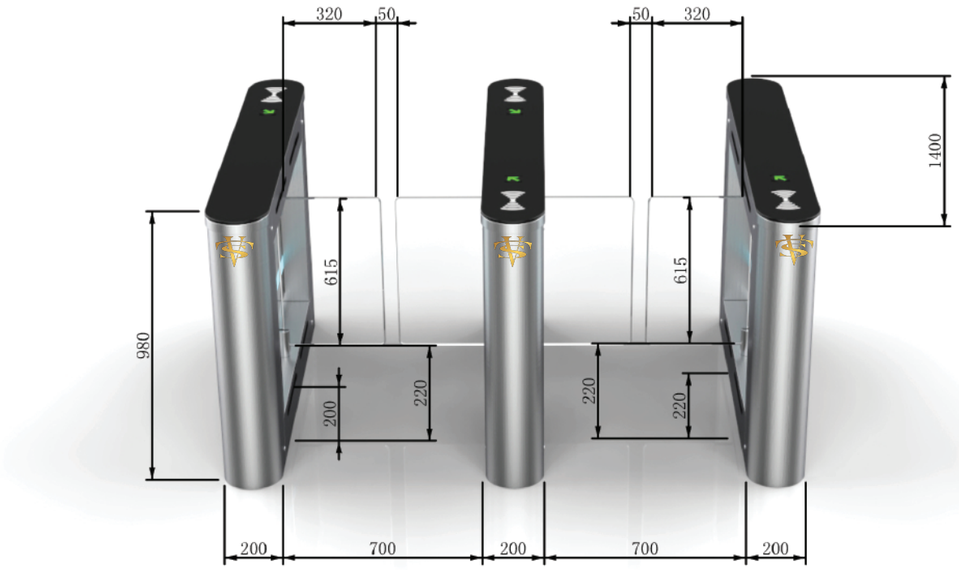
TRIPOD TURNSTILE GATE (STANDARDSTYLE PASSAGEWAY)



WING GATES (STANDARD STYLE PASSAGEWAY)



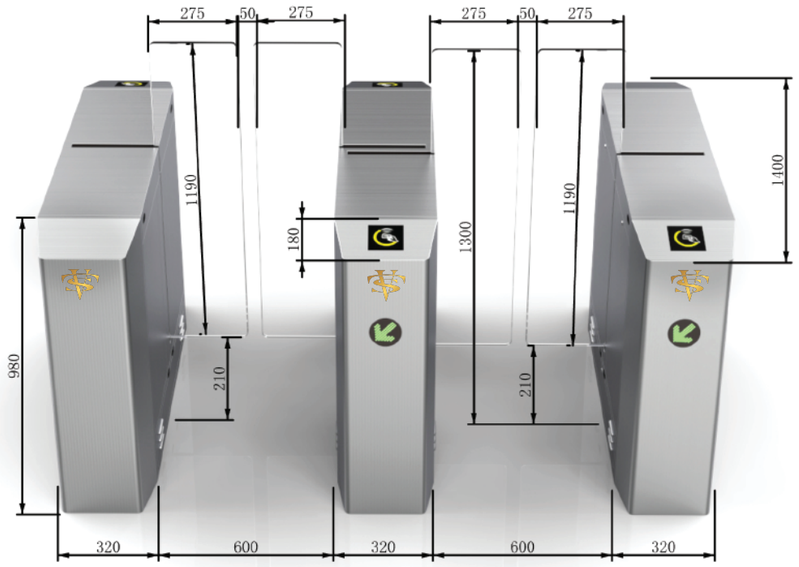
B904 (STANDARD STYLE PASSAGEWAY, MALL TRAILER CAN PASS)



SPEED GATES (HIGH-END STYLE PASSAGE WAY)

SELECTION OF THE SCHEME USED

SLLIDING TURNSTILE GATES (HIGH-END STYLE PASSAGEWAY)



The instrument is used with a single-sided adapter gate (no test record)

SIDED TEST OF THE INSTRUMENT+USE OF DISPLAY SCREEN WITH GATE (NO TEST RECORD)

SWIPE CARD+INSTRUMENT TEST WITH GATE MACHINE

SWIPE CARD+INSTRUMENT+DISPLAY SCREEN FOR USE WITH GATES

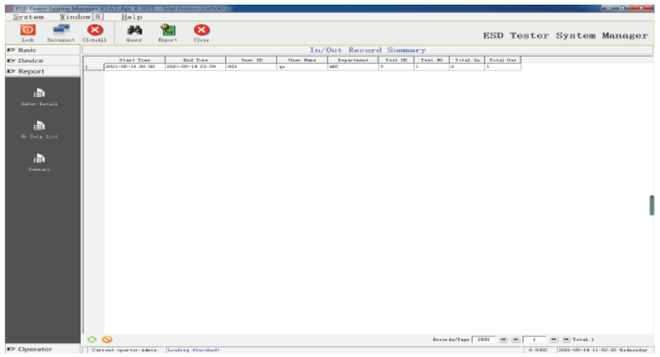
USE OF FACE+INSTRUMENT+DISPLAY WITH GATE

SWIPE CARD+FACE+INSTRUMENT+DISPLAY WITH TURNSTILE

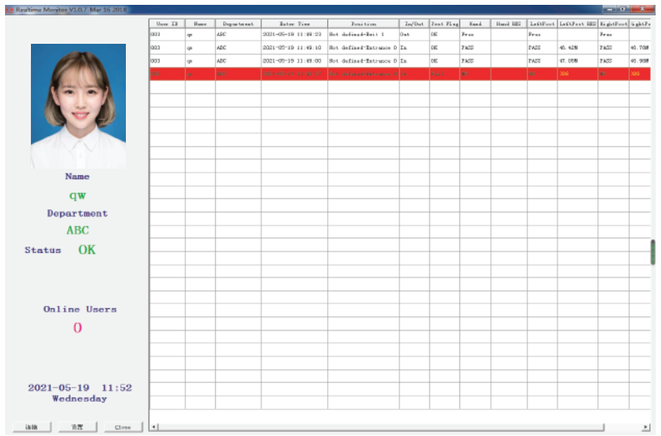
FINGERPRINT MACHINE+INSTRUMENT+DISPLAY WITH GATE MACHINE

MANAGEMENT SOFTWARE
BACKGROUND ENTRY AND EXIT SCHEDULE

1.IN & OUT SUMMARY



2.REAL TIME MONITORING



3.INBOUND AND OUTBOUND REPORT