



Z O O M T E C H

PRESENTS

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Zoom Tech Pte Ltd 2023
www.zoomtech.com.sg

**BUILT IN
SINGAPORE
FOR THE WORLD**





30 to 42

Zoom Tech Pte Ltd is a local manufacturer of turnstiles, auto-gates & barriers in Singapore. We are an innovative security solutions provider for access control.

Our ZoomGate products are engineered and system-integrated in Singapore, a truly global city renowned for the excellence of its industries, economy and government.

GLOBAL PRESENCE

Our gates can be found in a variety of prestigious buildings in Singapore and in other outstanding developments in Malaysia, Thailand, Vietnam, Indonesia, Philippines, China, UAE, Kuwait, Qatar, Rawanda, Slovakia, Australia, Sri Lanka, Mauritius Islands and many other parts of the world.



ZoomGate products can be found in more than 15 countries worldwide with hundreds of project sites



WE PROVIDE COMPELLING VALUE

**Value-engineered for optimal
performance**

- Immaculate Engineering
- Precise and Accurate Performance
- Modernized Fluid Design
- High Reliability

PROJECT REFERENCES



Duo Office Tower



SPH Building



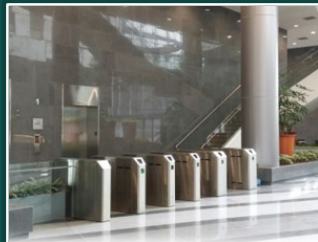
Continental Building



Philips Street



6 Battery Road



Temasek Polytechnic



Paya Lebar



City Square Condo



OUR GOAL

Creating our future

Our goal is to become a Popular Brand Manufacturer of turnstile and auto-gates. We are also moving forward into providing security solutions to ensure a safer and more secured environment for everyone.



OUR COMPANY

Who we are

In 1993, our parent company, Zoom Engineering Pte Ltd, was established as a manufacturer for steel and metal products.

It became the preferred vendor of many companies, dealing with various steel-based products and many other customized steel components.

In 2008, Zoom Tech Pte Ltd was established to meet the booming global demand for auto-gates.

MISSION & VISION



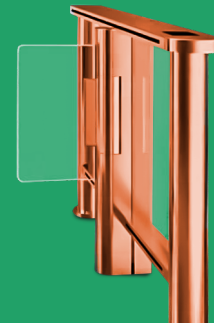
Our mission

To ensure our customers' satisfaction and surpass their quality expectations through the continuous improvement of our expertise and technologies.



Our vision

To become a world-class provider and manufacturer of turnstiles, auto-gates products and access control solutions.



LASER CUTTING MACHINE



Amada LC 3015 – F1

Model: Amada Laser Cutting Machine (2 units)

Power: 4KW

Material Size: 60" x 120"

Mild Steel: 20mm

Stainless Steel: 15mm

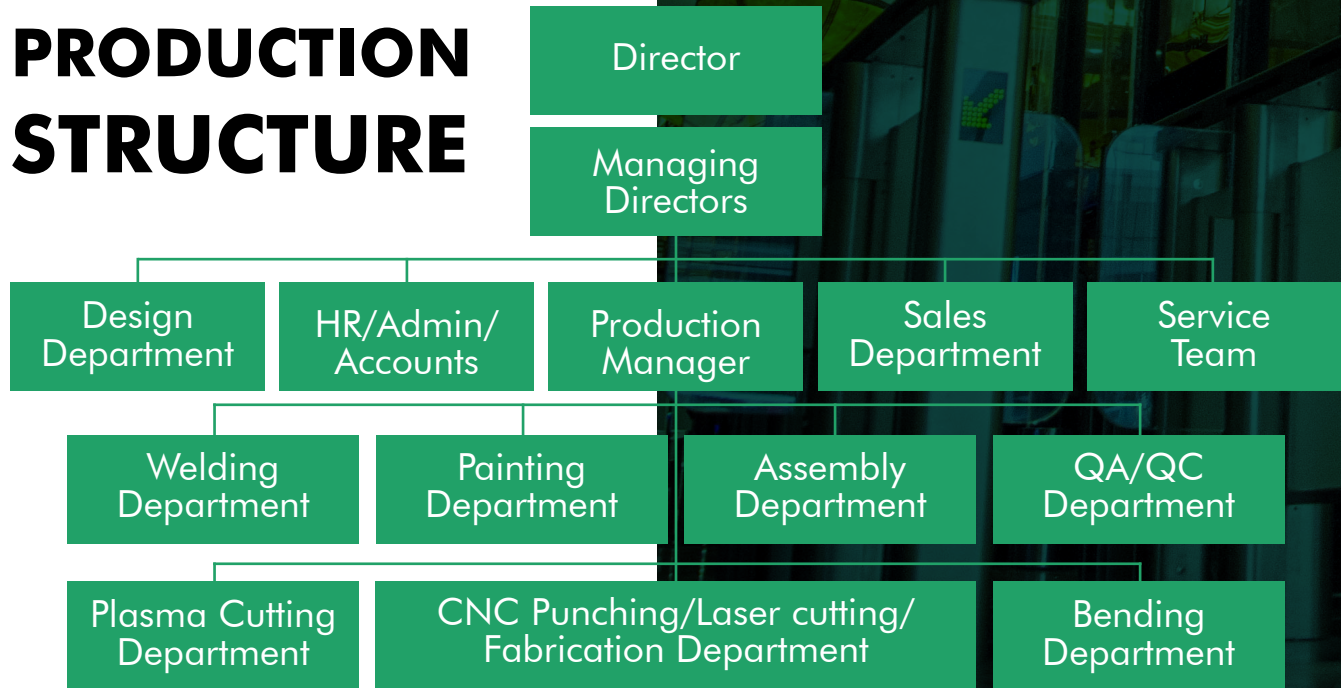
Aluminum: 10mm

CNC LATHE MACHINE

Model: YDPM ML-560S(1 unit)
Max Dia: Ø 320mm
Machining Length: 320mm
Swing over bed : Ø 560mm
Swing over saddle: Ø 420mm



PRODUCTION STRUCTURE





CORE VALUES

Value you can believe in

- 1 Quality** - Focus on product's quality
- 2 Innovation** - Ingenuity through technology
- 3 Customer First** - Customers' satisfaction is our priority
- 4 Respect** - Treat people with respect
- 5 Teamwork** - No man is an island

OUR EXPERTISE



Consultancy

We provide consultancy services advising our customers on the most suitable type of gates and solutions catered to their specific needs and environments.



Strategy

We ensure that our products and solutions are strategically implemented to reduce unnecessary potential risks.



Product design

Our gate models are designed to complement the crafted ambience envisioned by architects and building owners. We can further customize the gates to better fit the environment's ambience or fulfil any add-on requirements.



Management

We provide superior project management & coordination work to guarantee smooth delivery and execution. Rounds of testing are also carried out to ensure everything is in place before handing over.

PORTFOLIO



Gates

MAX - Turnstile Gate System
WING - Flap Gate System
SWING - Swing Gate System
SPEED - Drop Arm System
TRI - Tripod Barrier



Access

Hand-free Card Access
System
Vehicle Access System



Surveillance

Intrusion Detection
Video Analytics



Facial Recognition

ZoomFace

ZOOMGATE



MAX



WING



SWING



SPEED



TRI

- Wide range of different gate systems for varied environments.
- Stylish and modern designs to fit any installation.
- Trendy finishing options such as gloss, matte, brushed or shiny.
- Fully customizable to fit any building ambience.



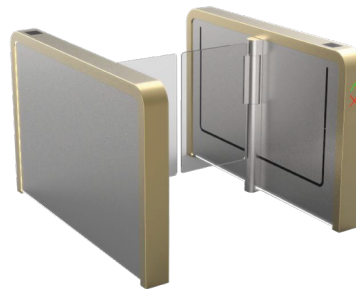
SWING

- Swing gate system
- Building access control
- High security with minimum supervision
- User-friendly for people with bags or luggage
- Wheelchair user friendly
- Appealing design and variety of customization options

SWING GATE ELEGANT MODELS



ASW-AR-06 Series
Elegant, high-performance entrance
control system for high-traffic



ASW-AR 15 Series
Streamlined design with a reduced
installation footprint

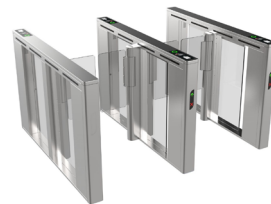
SWING GATE ELEGANT MODELS



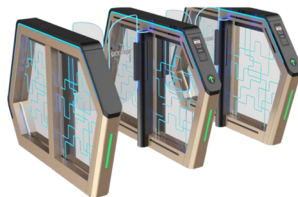
**ASW-AR-07-A
ASW-AR-07-A Plus
ASW-AR-07-A
Plus2**



ASW-AR-06



ASW-AR-11



ASW-AR-13



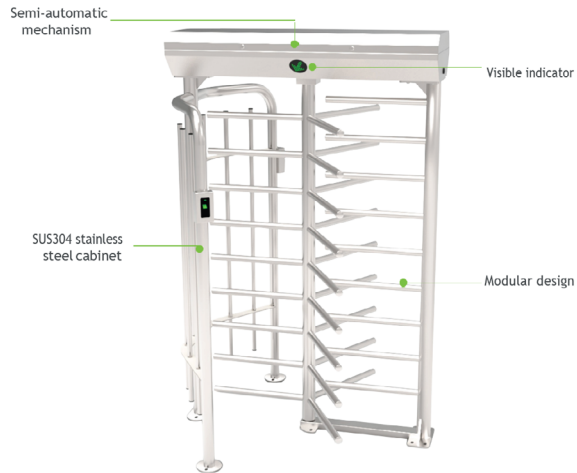
ASW-AR-08



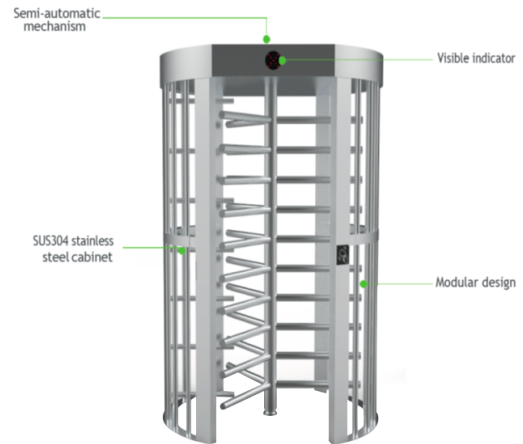
MAX

- Full height turnstile gate system
- Perimeter access control
- High security with minimum supervision
- Full height lowers risk of trespassing or intrusion
- Outdoor-certified robust body structure
- Widely used in dormitories, factories and buildings

2 NEW MODELS



MAX-FT-FM-02



MAX-FT-FM-03



TRI

- Tripod Barrier System
- Popular gate product design
- Building & Sites Access Control
- Seamless access control in areas where single person entry is preferred
- Positive lock mechanism prevents double entry
- Widely used in stadiums, factories, dormitories, and public transit sites

BIPOD



Bipod BP-MA-02

WING FLAP BARRIER

WING

- Flap Barrier Gate System
- Building Access Control
- Fast access clearance with minimum supervision
- Wheelchair user friendly
- Widely used in subways, immigration checkpoints and airports



WING FLAP BARRIER MODELS



Wing Flap Barrier
AFB – AR -03



Wing Flap Barrier
AFB – AR -04
with optional polyethene
foam wings

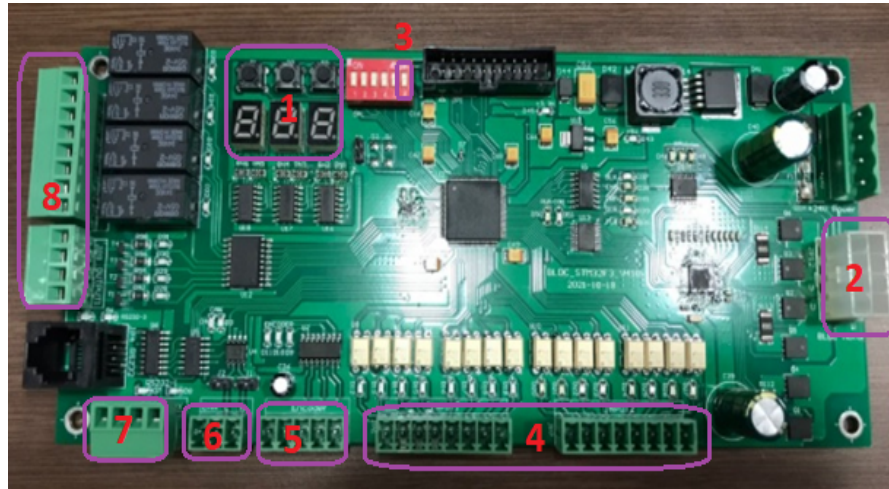


SPEED DROP ARM BARRIER WING

- Drop Arm Barrier System
- Building Access Control
- Fast access clearance with minimum supervision
- implements safety measures for proper access and obstruction prevention
- Wheelchair user friendly



NEW IOT CONTROLLER



1. On-board configuration
2. Brushless motor interface
3. Master/slave selectin
4. 16 inputs (+24V)
5. Encoder interface

6. CAN bus interface
7. Master/slave
8. Communication port
9. Outputs (4 relay contacts, 4OCs)

NEW CAN BUS CONFIGURATION AND TUNING APPLICATION SOFTWARE (SDK)

ZoomTech Gate Control SDK for BLDC Motor Swing Door with V4.11 hardware and firmware V4.01 above

Gate Configuration | Factory Default | Diagnostics

Speed 4 | Set Gate Speed | Gate Number: Gate 1 | Master/Slave Controller: Master

Configuration

Door Open / Close Motion

Open speed: 350 | Gate Speed No: 4 | Min Speed: 45

Open damping zone: 150 | Close damping zone: 150

Door Open / Close Position

Close position: 1030 | A side open position: 950 | B side open position: 950

Door Push / Lock (Time: ms)

Lock zone: 40 | Lock holding time: 3000 | Unlock time to close: 4000

Alarm (Time: ms)

☒ Tailgate Alarm | Tailgating delay: 2500

☒ Block sensor alarm | Block sensor delay: 500

☒ Opposite Enter Alarm | Opposite Enter delay: 200

External alarm delay: 3000

Door Safety Event and Time (Time: ms)

☒ Safety event to open door | Motor stop time: 500

Motor running Max time: 4000

Door Auto close delay time (Time: ms)

Auto close delay: 8000 | Safety event to close delay: 2000

Hardware / Firmware Revision

Hardware Revision: BLDC_STM32F3_V410

Firmware Version: BLDC_STM32F3_SD_V401

Door Manipulation

A Side Open | B Side Open

A Side Close | B Side Close

Upload/Download Parameters

Save to a file | Load from a file | Upload from Controller | Download to Controller

CAN Bus

CAN Bus Init | CAN Bus Release

EXIT

CAN Connection: Connected | DLL Call Status: PCAN_ERROR_OK | Flash Progress:

NEW CAN BUS CONFIGURATION AND TUNING APPLICATION SOFTWARE (SDK)

ZoomTech Gate Control SDK for BLDC Motor Swing Door with V4.11 hardware and firmware V4.01 above

Gate Configuration | Factory Default | Diagnostics

ZoomGate Parameters

ZoomGate Type: Motor RPM:
Sensor number: Motor gaer ratio:

Door free access configuration (time: ms)

☐ A side free access ☐ B side free access
Enable auto open delay time:

Door close method (time: ms)

☒ Hit A1/B1 to close door Door delay to close:
Close signal pulse width:

Motor PID parameters

PID Kp: PID Ki:
Close speed Coeff: PID Kd:

Door auto test (time: ms)

☐ Auto test enable Test interval time:

Hardstop Position

Master position: Slave position:

Door push / lock

Close Min. speed: Close Max. speed:
Push / Lock coeff:

Door power-on Initialization (speed: 0-100, time: ms)

Init motor speed: Init motor on-time:
Manual/fire open direction:

Drop card / Counting pulse width (time: ms)

Drop card pulse: Counting pulse:

Open/Close door cycle counter

☐ Enable counter ☐ Enable alarm
Current No:
Cycle Limit:

Enable / Recover Factory Default

Enable / Recover Factory Default

CAN Connection: Connected DLL Call Status: PCAN_ERROR_OK Flash Progress:



SUMMARY

- Through this presentation we hope to have given you a better understanding about Zoom Tech Pte Ltd
- With continuous improvement through technology, we are moving forward into providing promising security solutions to help shape a better tomorrow

WHY US?

1 Manufacture
Expertise

3 Continuous
Improvement

5 Optimal
Performance

2 Reliability

4 Innovation

6 Constant
Support

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