

Aosaff

OVERALL SOLUTIONS FOR SAFETY GUARDING SYSTEM



Since **2000**

Jinan Aotto Technologies Co., Ltd.

CERTIFICATES



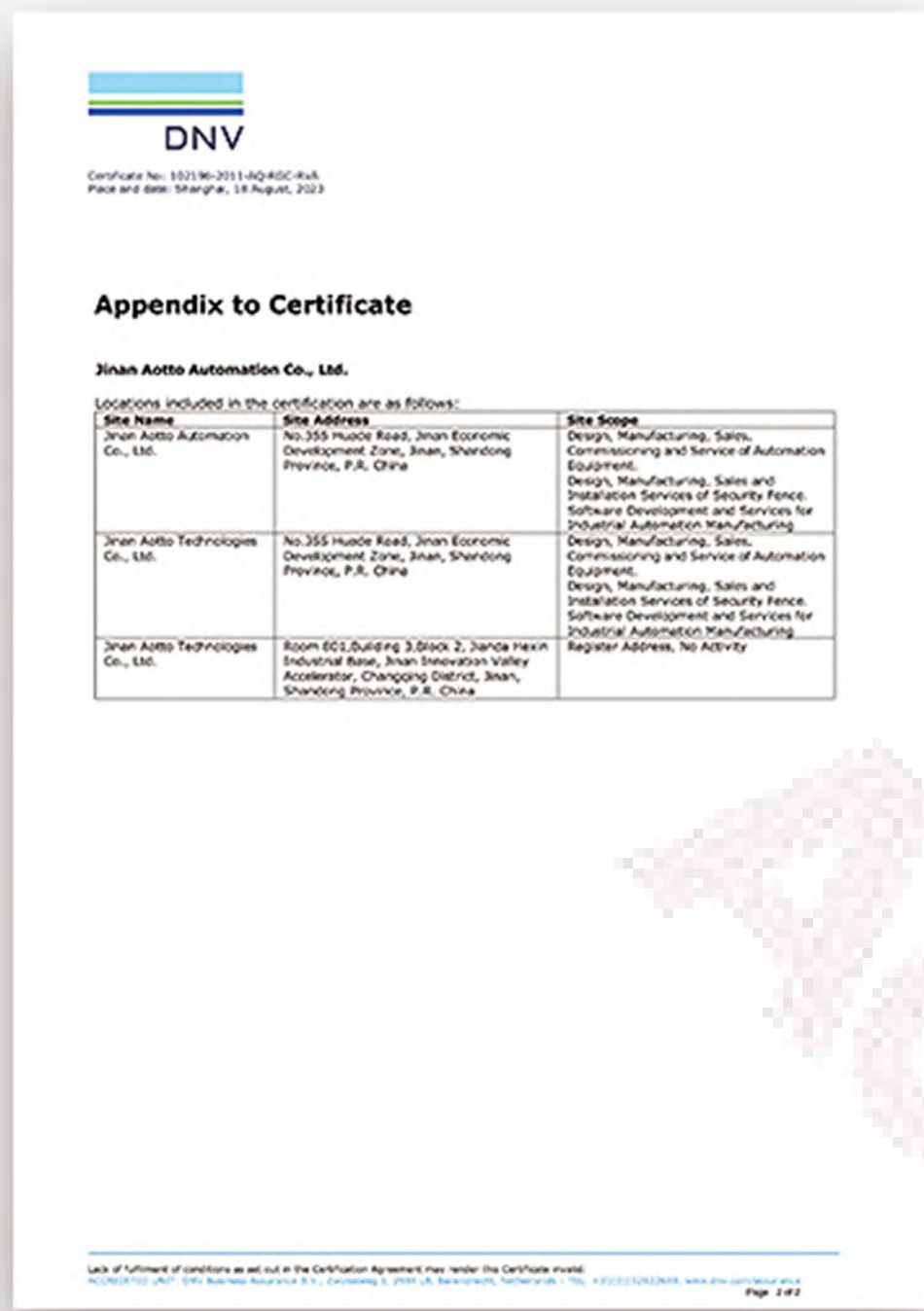
CE certificate



Patent



ISO9001



Aosaff LAYOUT SELECTION SYSTEM



Aiming at the design and development of the fence,realizing "special software for special purpose", and reducing the repetitive labor of the designer.This system realizes integration and high efficiency, and has been granted with software copyright.



Efficient fence arrangement and optimization algorithm, reduce customer costs.



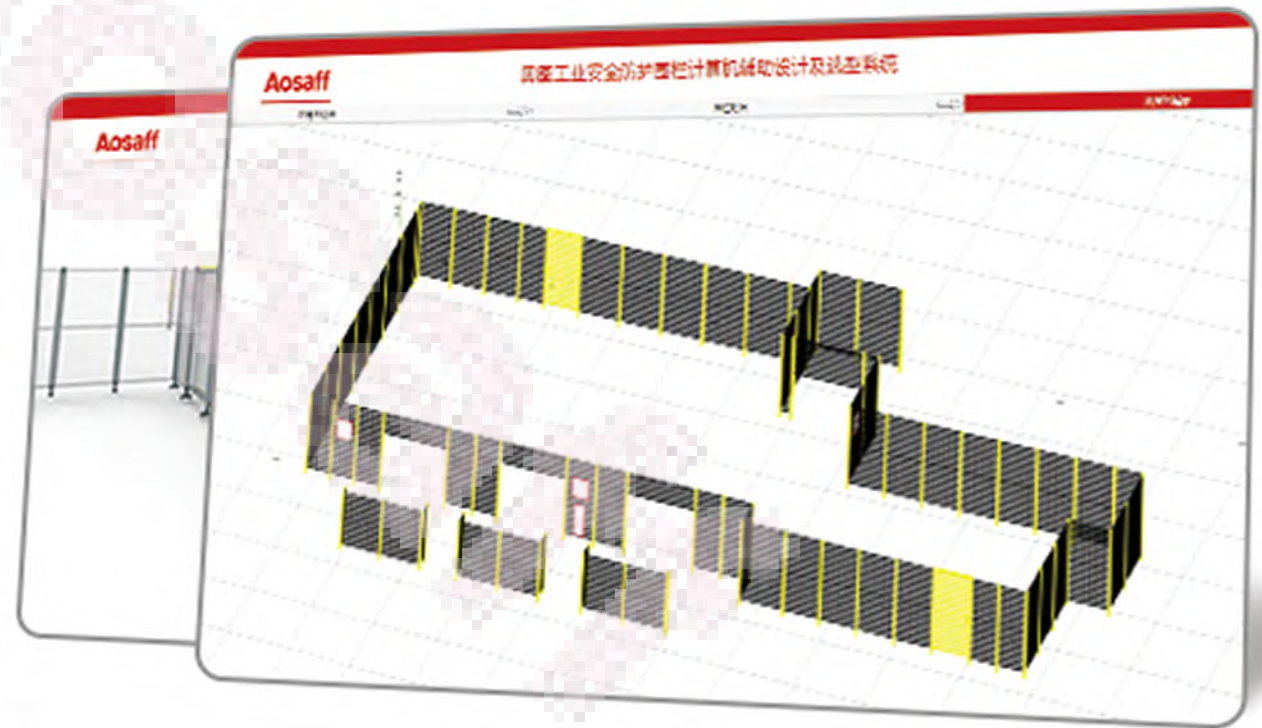
Express requirements quickly,save design time. Generate the fence details and quick order according to the scheme.



The system can automatically generate the corresponding 2D or 3D model,reduce the repetitive work of designers,the whole process is quick efficiently.



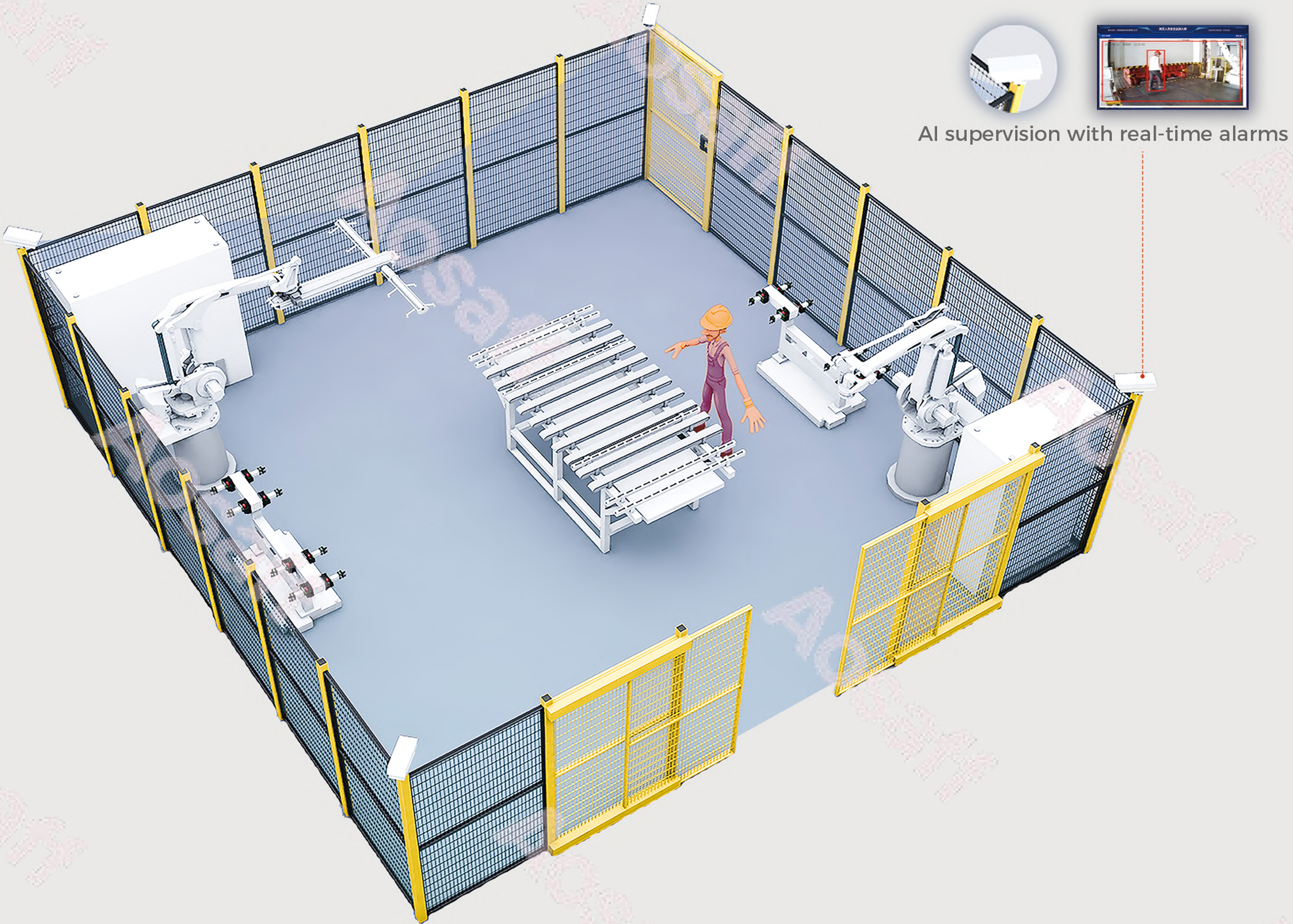
Create an exclusive plan for customers with our standard fences.



RESTRICTED AREA AI PERSONNEL SECURITY DETECTION SYSTEM

System Introduction

The AI personnel safety detection system in the restricted area monitors the situation of personnel inside the restricted area through visual detection equipment and performs alarm processing.



Detecting Recognition Types

- | | | |
|--|--|---------------------------------|
| Personnel behavior recognition | Environmental risk identification | PPE detection |
| ◆ Unauthorized personnel entering detection | ◆ Smoke and flame identification | ◆ Safety helmet detection |
| ◆ Personnel falls recognition ◆ Personnel off-position detection | ◆ Aisle occupancy identification | ◆ Reflective clothing detection |

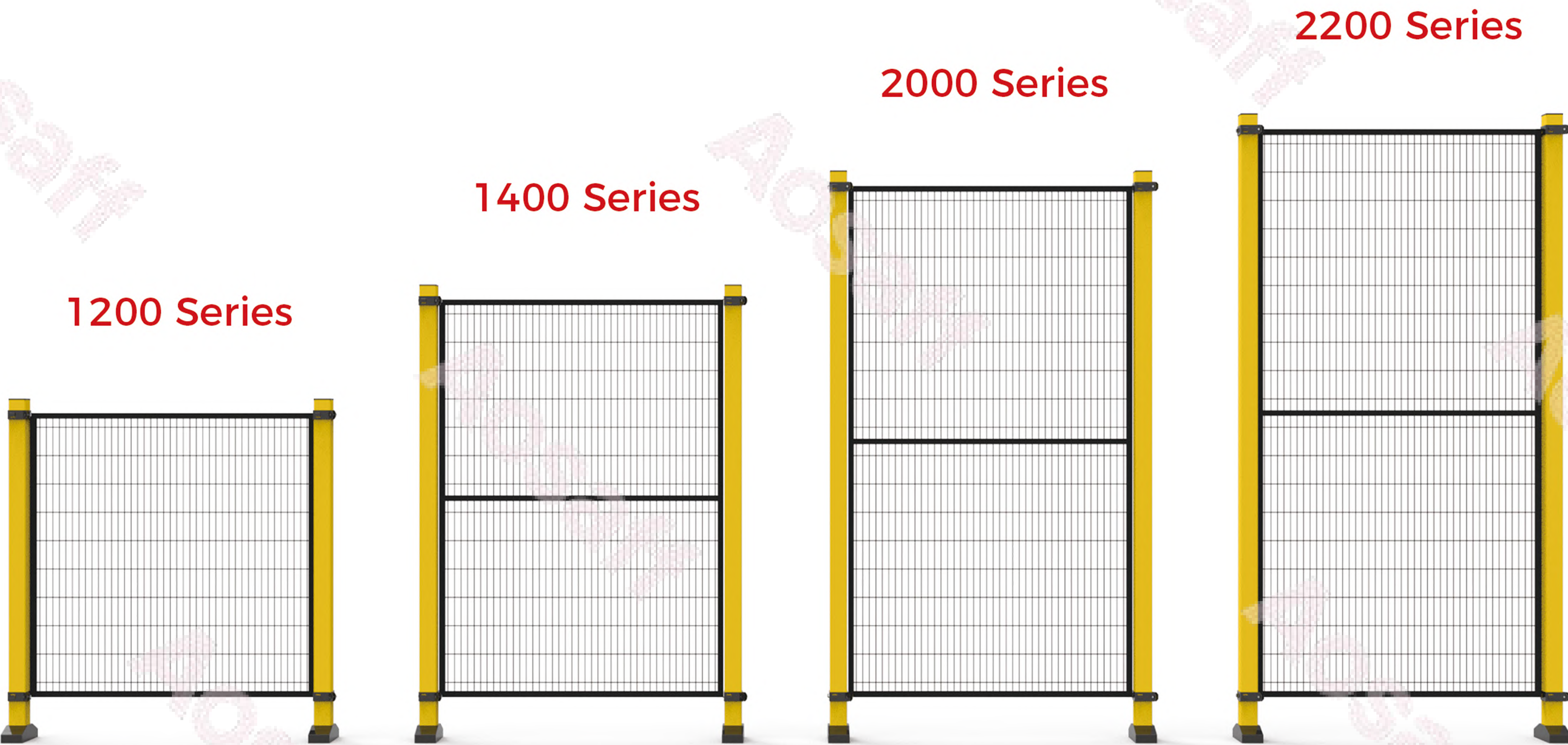
System Features

- | | |
|--|---|
| Millisecond warning
High-precision detection algorithms based on artificial intelligence to realize millisecond-level equipment warning, eliminate the first signs of hidden danger in time. | Safety class management
Support customized monitoring area to set different warning levels for different areas. According to the set warning level to realize the sound and light alarm, equipment shutdown and other operations. |
| Equipment interlock
Interlocking with automation equipment, realizes millisecond-level stop when alarming, and reduces the risk of hidden danger. | Utilization of old equipment
The original camera can be used without adding a new specialized camera. |

STEEL MESH AND COLUMN PROTECTION

3

Delivery
3 working days
Non-standard product delivery time
please confirm with the sales



Suitable for production line protection in automotive, logistics, building materials, paper making, home appliances, injection molding, new energy and other industries, in line with GB, CE and ISO standards. The surface of the product is sprayed with plastic, providing both safety and aesthetics.

20 series standard panel

Width (mm)	Height (mm)	Weight (Kg)	Height (mm)	Weight (Kg)	Height (mm)	Weight (Kg)	Height (mm)	Weight (Kg)
500	1000	3.47	1200	4.02	1800	6.04	2000	6.59
600		3.89		4.49		6.70		7.30
700		4.37		5.02		7.46		8.12
800		4.79		5.49		8.12		8.84
900		5.22		5.97		8.79		9.55
1000		5.69		6.50		9.54		10.37
1100		6.12		6.97		10.21		11.08
1200		6.84		7.44		10.88		11.80

60 series standard column

Height (mm)	Weight (Kg)
1200	4.03
1400	4.58
2000	6.23
2200	6.77

Technical parameter

Dimension in mm

- Panel Height 2000/1800/1400/1000
- Panel Width 1200/1100/1000/900/800/700/600/500
- Grid 20*100
- Wire Diameter 3
- Panel Section 20*20*1.2
- Column Section 60*60*1.5
- Column Height 2200/2000/1600/1200

SAFETY DOOR

3

Delivery
3 working days
Non-standard product delivery time
please confirm with the sales



HINGED DOOR SINGLE/DOUBLE

Product features : Modular design, easy installation.
Accessories of single-door : 1 set of handle component (single open), 1 set of caster.
Accessories of double-door : 2 sets of handle components (double open), 2 sets of casters.
Optional configuration : Locator pin, mechanical lock, safety lock + mechanical latch.



SUSPENSION DOOR SINGLE/DOUBLE

Product features : Wide opening, unlimited height, modular pre-installation, convenient installation.
Accessories of single-door : 1 set of handle component (double open), 2 sets of three-section slide rail modules, 1 set of casters.
Accessories of double-door : 2 sets of handle components (double open), 4 sets of three-section slide rail modules, 2 sets of casters.
Optional configuration : Locator pin, safety lock + mechanical latch.



SLIDING DOOR SINGLE/DOUBLE

Product features : Wide opening, modular design, easy installation.
Accessories of single-door : one set of handle component (double open), one set of upper slide rail, one set of guide wheel bracket, and two sets of buffer block assembly.
Accessories of double-door : two sets of handle components (double opening), two sets of upper slide rails, two sets of guide wheel brackets, and two sets of buffer block assembly.
Optional configuration : Locator pin, safety lock + mechanical pin.

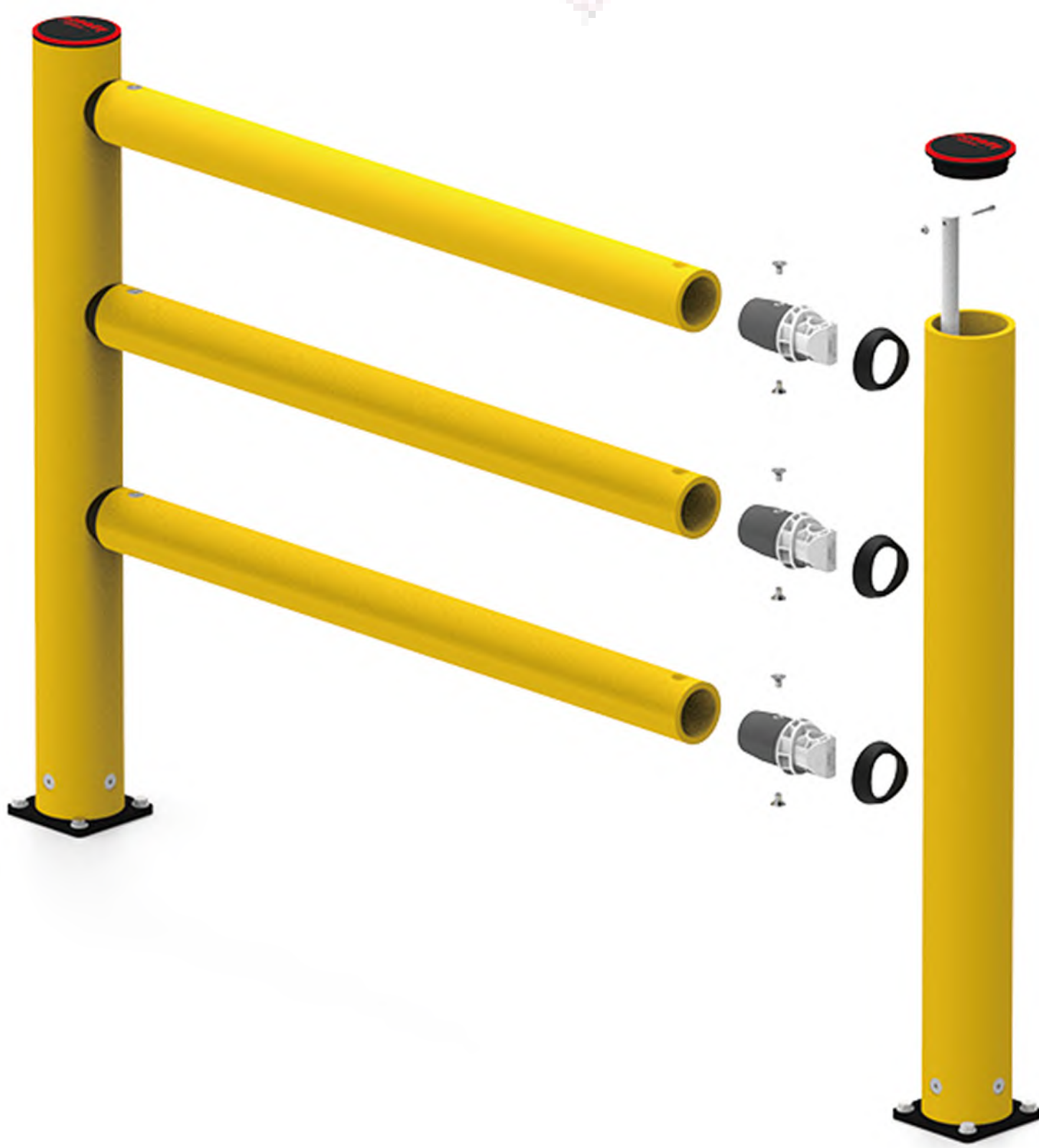
Standard safety door

Type		Opening width (mm)	Overall width (mm)	Column height (mm)
Hinged door	Single	700/800/1000/1200/1500	850/950/1150/1350/1650	1200
	Double	1400/1600/2000/2400/3000/	1560/1760/2160/2560/3160	1600
Suspension door	Single	700/800/900/1000/1200/1400/1500	1640/1840/2040/2240/2640/3040/3240	2000
	Double	1400/1600/1800/2000/2400/2800/3000	3130/3530/3930/4330/5130/5930/6330	2200
Sliding door	Single	700/800/900/1000/1200/1400/1500	1850/2050/2250/2450/2850/3250/3450	2000
	Double	1400/1600/1800/2000/2400/2800/3000	3530/3930/4330/4730/5530/6330/6730	2200

※ Customized services can be provided according to customer needs, 1200/1600 height is not equipped with door beams. We can customize double rails sliding door, pneumatic suspension door, electric suspension door, three-fold rails suspension door, etc.

FLEXIBLE BARRIER

◆ Superior Protectivity capability



Flexible barriers made of imported polymer materials can absorb energy through deformation during impact and rebound to their original state after impact, protecting the safety of your personnel and property while greatly reducing daily maintenance costs.



Standard barriers Unit: mm

- Barrier length 600-1800 (standard 1800 / center to center)
- Barrier height 300/800/1100
- Bollard outer diameter 125
- Beam outer diameter 90
- Capacity 1.5T, 5km/h
- Product color Yellow



Barrier Unit: mm

- Barrier height 500/800/1100
- Bollard outer diameter 125/160
- Capacity 1.5T, 4km/h | 3T, 4.5km/h
- Product color Yellow



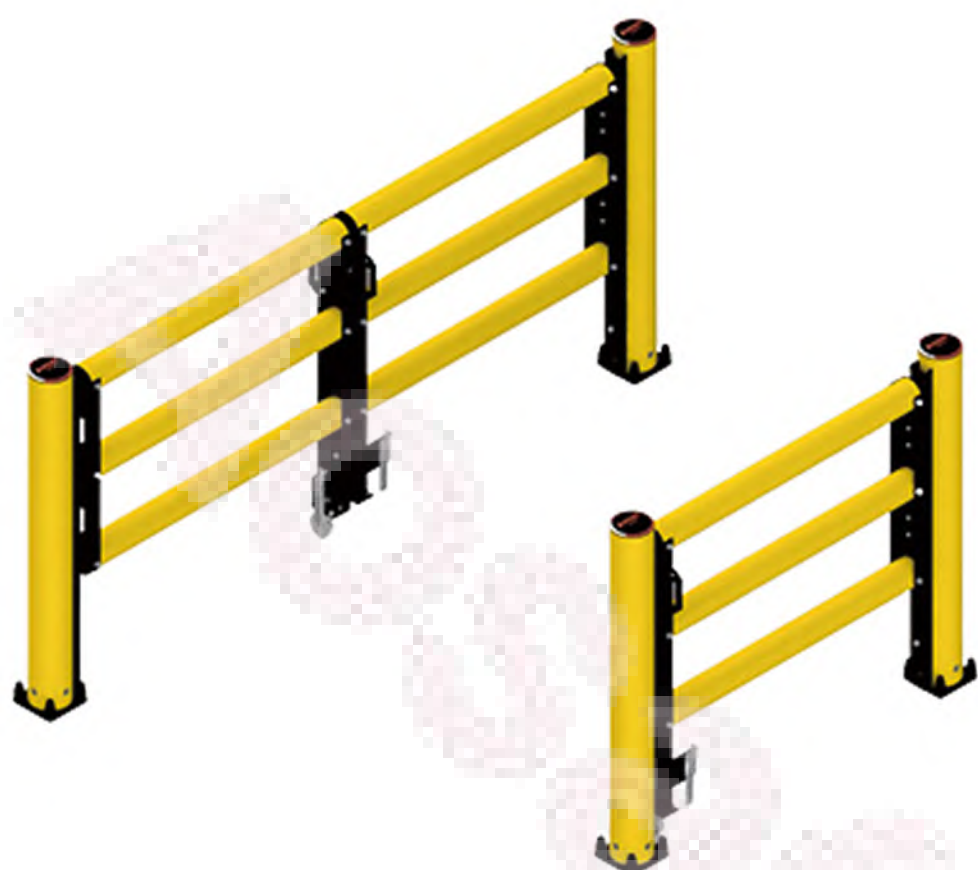
Reinforced barriers Unit: mm

- Barrier length 600-1800 (standard 1800 / center to center)
- Barrier height 500/800/1200
- Bollard outer diameter 125/160
- Beam outer diameter 90/160
- Capacity 3T, 6km/h
- Product color Yellow



Ground impact barriers Unit: mm

- Barrier length 600-2000 (standard 2000)
- Barrier height 155/190
- Beam outer diameter 125/160
- Capacity 1.5T, 5km/h | 3T, 4.5km/h
- Product color Yellow



Traffic Gate Unit: mm

- Type Hinged Gate | Self-closing Gate
- Opening Width 500-1000(Single Open) 1000-2000(Double Open)
- Center-to-Center Distance 700-1200 (Single Open) 1270-2270(Double Open)
- Height 1100
- Bollard outer diameter 125
- Beam Outer Diameter 90
- Product color Yellow

PROJECT CASES

Jinan Aotto Technologies Co., Ltd. was established in 2000, adhering to the principle of "dedicated to innovation and pursuit of excellence", adhering to the development strategy of "product leadership", providing high-quality automation equipment, services, and comprehensive solutions for the automotive, machinery, home appliances, light industry, and other industries. In 2016, we developed the **Aosaff** safety protection fence.

Aosaff specializes in designing and manufacturing safety protection fences for robots and automated production lines, regards "devoting to innovation and fine workmanship manufacture" as product orientation and development target, and provides complete solutions and outstanding service of automatic safety guarding to the customers.



◆ Automotive industry



◆ Warehouse logistics



◆ New energy battery line



◆ Robot workstation



◆ Flexible safety protection



TWO OVERALL SOLUTIONS FROM AOTTO

★ OVERALL SOLUTIONS FOR SAFETY GUARDING SYSTEM

★ OVERALL SOLUTIONS FOR ROBOTIC GRIPPING

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