

BOOM BARRIER GATE

TS-B-1100

DATASHEET

Modern Access Control
for a **Smarter World**



High Security
Control



Anti-Tailgating



Heavy Duty
Mechanism



Controlled
Entry Flow



Robust
Structure



Outdoor
Weatherproof



SECURE
ACCESS



SMOOTH & SILENT
OPERATION



LOW
MAINTENANCE



DURABLE
STRUCTURE



BI-DIRECTIONAL
PASSAGE

ACCESS REDEFINED

PEOPLE | PLACES | POSSIBILITIES

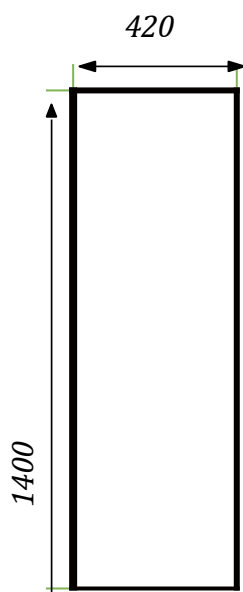
www.technospacio.com

Features

- **LED Indicators:** High-visibility LED indicators clearly display the barrier status and access direction in real time.
- **Fast Operation:** Rapid opening and closing for smooth and efficient vehicle movement.
- **Automatic Reset:** The boom arm automatically returns to its default position after each access cycle.
- **Manual Release:** Manual override allows the barrier to be operated during power failure or emergencies.
- **Working Direction:** Supports configurable one-way or two-way vehicle access control.
- **Safety Detection:** Safety sensors detect vehicles or obstacles and help prevent accidental barrier movement.
- **Anti-Collision:** Designed to stop or reverse the boom arm when an obstruction is detected.
- **High Performance:** Engineered for reliable, stable operation in high-traffic access points.
- **Heavy-Duty Construction:** Robust housing and boom arm construction for demanding commercial and industrial environments.
- **Access Control Ready:** Compatible with RFID, biometric, card readers, remote controls, and other access-control systems.

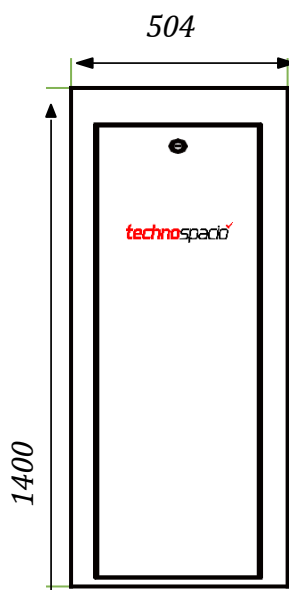
Dimensions

Back view

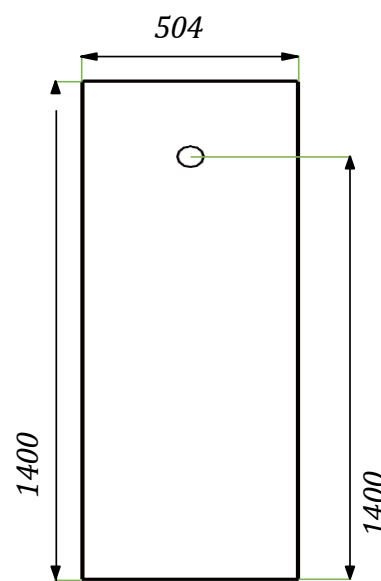


Side View

Front view



Front View



Back View

Components :

Three-link transmission

The operation is stable and the lifting is in place, and the self-locking design of the lifting and falling in place after power failure

No welding Boom Bracket

Easy disassembly and assembly, no deformation, greatly improve production efficiency, and easy maintenance

Hoisting design

Integrated design of hoisting, can adapt to more than 30 appearance options

Planetary Gearbox

High precision, high efficiency, large torque, long life

tension spring

3 springs are balanced for easy adjustment and longer life

Permanent Magnet Rare Earth Servo Motor

Permanent magnet rare earth motor, no demagnetization, no heat generation, pure copper material, low power consumption, long life, free speed regulation, accurate limit

Independent research and development of servo dedicated controller

Imported ST chip, the most stable brushless control algorithm scheme design

Dedicated barrier power supply

Specially designed



Pure copper motor winding

PURE COPPER PERMANENT MAGNET RARE EARTH SERVO MOTOR

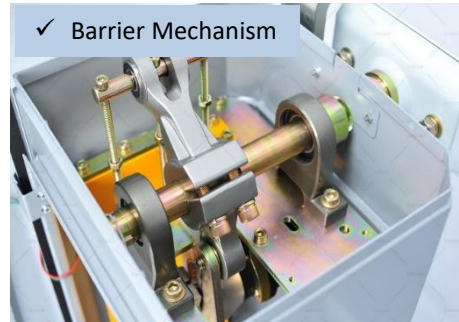
Servo motor
750W



✓ Barrier Motor



✓ Barrier Mechanism



✓ Mechanical Gear

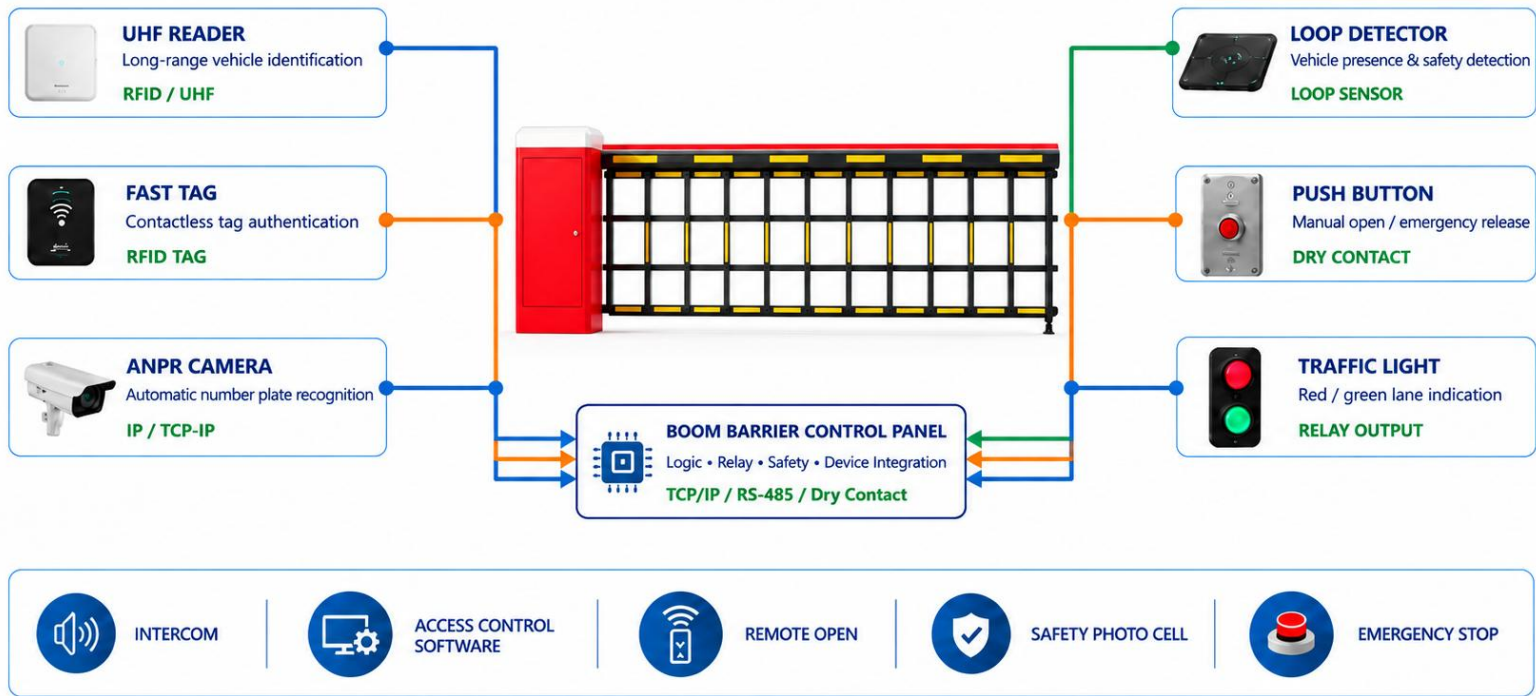


✓ Barrier arm Lock



Boom Barrier - Accessory Integration

Intelligent vehicle access control with multiple authentication & safety devices



Customization

The cutout for readers can be customized

Provide us with the dimensions of the card reader/scanner or other access control reader and we will customize the cutout according to its dimensions.

Technical Specifications

Brand	Technospacio	Remote Control Distance	≤100m
Model	TS-B-1100	Operating Temperature	-25° C to 60° C
Operating Speed	0.9s to 1.5s	Protection Level	IP54
Boom Length	Fence 4m – Straight 6m	Dimensions (mm)	504*504*1400mm
Boom Type	Fence + Straight boom	MCBF	30 million Cycle
Motor Type	DC Servo motor	Remote Control Distance	≤100m
Output Power	750W	Operating Temperature	-25° C to 60° C
Operating Voltages	DC 24V	Protection Level	IP54
	AC 220V/110V, 50Hz to 60Hz	Dimensions (mm)	504*504*1400mm
Power Supply		MCBF	30 million Cycle

Access Control



UHF READER

Long-range vehicle
identification

RFID / UHF



FAST TAG

Contactless tag
authentication

RFID TAG



LOOP DETECTOR

Vehicle presence &
safety detection

LOOP SENSOR

Our turnstile gates come with relay signals and RS485/RS232 interfaces. You can use your own access control system, or we can provide a complete access control system to you.



Contact Us

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