



AMVEL AUTOMATION PVT. LTD



ENTRANCE
AUTOMATION
INDUSTRIAL

WHO WE ARE



AMVEL Automation Pvt. Ltd. (a unit of AMVEL group) is one of the fastest growing Automation companies in South India. Head quartered in Chennai (Detroit of India) and catering to Major Industrial Hubs, Ware houses & IT Parks in Tamil Nadu, Karnataka, Andhra Pradesh, Kerala & Telangana.

With over 15 Years of Hand on Experience in various Automation Systems, Internationally accredited products, Dedicated team of Engineers and Reliable partners, we specialise in providing Turnkey end to end solutions for Entrance Automation & Loading Bay equipments.

At AMVEL, we make a Young & Dynamic team, creating an efficient work place. We strive for innovation & improvisation in our day to day activities, taking our bench mark higher with every opportunity.

We are committed to provide the Best in Class Automation System through High Quality, Precision Engineering and Dedicated Back up Support, thereby giving the Best experience for our Customers.



DISTINCTIVE.
DEPENDABLE.
DURABLE.



Certificate of Registration

This is to certify that

AMVEL AUTOMATION PVT. LTD.

No. 11, Pillayar Koil Street, Golden George Nagar, Chennai – 600 107, India

has been independently assessed by QRO
and is compliant with the requirement of:

ISO 9001:2015

Quality Management System

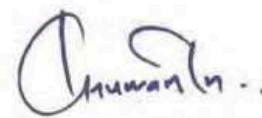
For the following scope of activities:

*Manufacturer & Service Provider of Entrance & Security Automation Systems Including Motorized
Gates, Rolling Shutters, Industrial Doors, Security Barriers, Fire Doors, Fire Shutters,
Dock Levellers & Turnstiles*

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Certificate Number: 1280820081K




Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit.
(In case if surveillance audit is not allowed to be conducted; this certificate shall be suspended / withdrawn).

The Validity of this certificate can be verified at www.qrocert.com

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142, IInd Floor, Avtar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)
Website : www.qrocert.com, E-mail : info@qrocert.com



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No. 11, Pillayar Koil Street, Golden George Nagar, Chennai – 600 107, India

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ISO 14001:2015

Environmental Management System

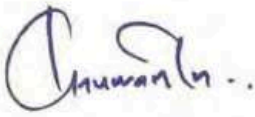
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OUR OFFERINGS



AMVEL has worked hard over the years to establish strong, supportive partnerships with the most innovative and most-trusted players in the field globally.

Everything under
one roof

HIGH SPEED PERFORMANCE DOORS

At Amvel Automation, we collaborate with global partners renowned for their expertise in delivering cutting-edge high-speed door technology. Together, we provide state-of-the-art high-speed doors tailored for diverse industrial applications, ensuring high performance, optimal safety, and minimal maintenance costs.

Our extensive product range is designed to meet the unique needs of every project. With customizable finishes and colors, our high-speed doors seamlessly integrate into any environment. We are committed to delivering solutions that align perfectly with customer requirements, supported by a team of dedicated professionals focused on achieving complete customer satisfaction.

Amvel Automation's high-speed door solutions cater to a wide range of industries, including automotive, pharmaceuticals, steel manufacturing, distribution centers, food processing, and more. Experience innovation, reliability, and excellence with our advanced high-speed door systems.

ROLL UP DOORS

STANDARD STURDY

AIR TIGHT CLEAN ROOM

HIGH WIND PRESSURE

SPECIAL APPLICATIONS

FOLDING DOORS

FOLD UP HANGERS

SLIDING FOLDING

SPIRAL DOORS

ULTRA SPEED SPIRAL

ULTRA SPEED CLEAN ROOM





**Easy
Cleaning**



**Self
Repair**



**Stable
Temperatures**



**Keep Clean
Material**



**Maintain
Pressure**



**Perfect
Sealing**



**Avoid
Contamination**



**Dust
Free**

HIGH SPEED ROLL UP DOORS

High Speed Rollup doors contribute to and conserve energy in two critical ways:

First, the unique push pull design provides the shortest open time in the industry. Fast cycle times significantly reduces transfer of conditioned air.

With an additional unique feature of patented re-insertion system. When dislodged, the curtain automatically returns into its side guides, without the need of intervention.

This way, you can avoid costly downtime & time-consuming technical interventions.

High-performance Features

**-Conserves energy for it's fastest total open/close cycle -
Patented technology provides tightest perimeter sealing. -
Smooth & low noise operation because of even texture &
uninterrupted borders -Soft & free of rigid material flexible
curtains protect people from accidents**

- The soft curtains also presents no risk to an unexpecting person on the other side of an impact door
- Avoids downtime & time consuming technical interventions
- Durable doors with hundred thousands of opening cycles



Self
Repairing



Ultra
Safe



Super
Seal



Wind
Resistant





Applications : Manufacturing Units, Warehouses , Pharmaceutical Units, Food & Beverage Companies, Airports, Automobile Industries, Cold Storage & Freezers Etc...

ROLL UP DOORS : STANDARD STURDY



STANDARD STURDY

TRUST WITH ASSURANCE OF INTENSIVE USAGE

Amvel Automation's Standard Sturdy High-Speed Doors are expertly crafted for outdoor applications with frequent use. They provide reliable protection against wind, rain, snow, dirt, and extreme temperatures, ensuring your environment remains secure and well-maintained.

Operating speed and ideal sealing qualities enhance traffic flows and offer energy cost savings, environmental control, and employee comfort. When the curtain is inadvertently struck or displaced, these doors' fully self-reinserting mechanism will automatically reposition itself in its side guides. side frame assembly that is patented but does not use brush or blade systems. High wind pressure carrying capacity up to class 4 wind load. No downtime in production, no repair expenses. Flexible curtain without stiff parts. For added security, there is a wireless detector at the bottom. For seamless functioning, a frequency-driven motor and encoder are used. There are very few wearable components.

TECHNICAL DATA

SIZE : UPTO (W)11000 MM & (H) 5500 MM
HIGH SPEED : UPTO 2.4 M/S, (CONDITIONAL)
UNIQUE PATENTED "PUSH PULL" TECHNOLOGY
SELF-REINSERTING WITHOUT INTERVENTION
HIGHLY USER SAFE PRODUCT & TECHNOLOGY
ADVANCED FREQUENCY DRIVEN MOTOR
USER-FRIENDLY SELF-DIAGNOSIS CONTROL BOX
SUPERIOR SEAL, WIND RESISTANT

ROLL UP DOORS : AIR TIGHT CLEAN ROOM



AIR TIGHT CLEAN ROOM

PERFECT SEALING WITH NO AIR LEAKAGE.

Our clean room doors are the slimmest high speed clean room doors available on the market thanks to their contemporary design. A frequency inverter-driven motor and the unique "LF" (Low Friction) technology ensure a smooth operation. When the curtain comes loose, it automatically puts itself back in place. No downtime in production, no repair expenses. Flexible curtain without stiff parts. For added security, there is a wireless detector at the bottom.

With its modern design, our Clean room doors are the slimmest high speed clean room door in the market.

The patented «LF» (Low Friction) technology, combined with a frequency inverter driven motor, assures a smooth operation.

The curtain automatically reinserts itself when dislodged. No repair costs, no production down time.

Flexible curtain without rigid elements. Wireless Detector at the bottom for extra safety.

TECHNICAL DATA

SIZE: UPTO (W)4000 MM & (H) 4000MM

PATENTED SIDE GUIDES & "BEAD" TECHNOLOGY

SELF-REINSERTING WITHOUT INTERVENTION

HIGHLY USER SAFE PRODUCT & TECHNOLOGY

ADVANCED FREQUENCY DRIVEN MOTOR

USER-FRIENDLY SELF-DIAGNOSIS CONTROL BOX

SUPERIOR SEAL, WIND RESISTANT

MINIMAL SPACE, MODERN LOOK

HIGH SPEED DOORS

FOLDING DOORS

High-Speed Roll-Up Doors from Amvel Automation are designed to enhance energy efficiency in two key ways:

1. Minimized Air Transfer: The innovative push-pull design ensures the shortest open and close times in the industry. This rapid cycling significantly reduces the loss of conditioned air, maintaining optimal energy efficiency.
2. Patented Self-Reinsertion System: Equipped with an advanced self-reinsertion mechanism, the door curtain automatically realigns with its side guides if dislodged, eliminating the need for manual intervention.

With these features, you can avoid costly downtime and time-intensive technical repairs, ensuring seamless operations and maximum productivity.

High-performance Features

- Conserves energy for it's fastest total open/close cycle
- Patented technology provides tightest perimeter sealing.
- Smooth & low noise operation because of even texture & uninterrupted borders
- Soft & free of rigid material flexible curtains protect people from accidents
- The soft curtains also presents no risk to an unsuspecting person on the other side of an impact door
- Avoids downtime & time consuming technical interventions.
- Durable doors with hundred thousands of opening cycles



Sturdy-Weather
Conditions



Rapid-Emergency
Opening



Extra Large
Openings



Ultra-safe
Utility





Applications : Aircraft Hangers, Shipyards, Large Industrial Openings, Warehouses, Dockyards Etc

FOLDING DOORS : FOLD UP HANGERS



FOLD UP HANGERS

BIG ENOUGH TO SECURE BIG THINGS

Our folding doors are used in manufacturing plants, aircraft hangers, dockyards and recycling facilities due to their high performance suitable for any industrial environment.

Using a button, the door opens and closes automatically. Our double-walled canvas folding hanger doors offer excellent wind resistance thanks to their reinforced housing structure. Door pole rails use specifically extruded aluminum to guide the door housing up and down and reduce air movement into the usage area. One of the most common characteristics of the door system is its minimal space requirements for installation, as well as its ready and simple mounting structure, which makes installation and mounting simple. The IP 65-compliant control panel has wireless detectors.

TECHNICAL DATA

SIZE: UPTO (W) 20000 MM & (H) 20000 MM SPEED
OPENING/ CLOSING UPTO 0.30 (M/S)
DETECTORS: INFRARED BARRIER: ± 300 MM FLR
STRUCTURE EXTRUSION ALUMINIUM OPERATING
TEMPERATURE -6°C TO 50°C CONFORMING TO TS
EN ISO 9001:2000 TUV ENGINE POWER 2.2 KW TO
5.5 KW ENGINE VOLTAGE 400V AC 50/60HZ

INSULATED SECTIONAL DOORS

For commercial and production buildings, our industrial sectional doors are the ideal choice. They are adaptable to any existing building and feature a sturdy construction. The doors are guaranteed to last a long time and function flawlessly by special technologies.

The doors' unique structural components improve their dependability and longevity. Our industrial doors offer outstanding performance and technical qualities since they are made using the newest production methods.

Increased thermal insulation in industrial doors is guaranteed by a dependable seal system. Particularly during the winter, our doors lower heating expenses and help to maintain temperature control.

INSULATED SECTIONAL DOOR

NORMAL SECTIONAL DOORS

FULL VISION SECTIONAL DOORS





**Space
Saving**



**Functionality
& Durability**



**Future
Technology**



**Ease of
Installation**



**Modern
Solutions**



**Reliability
& Safety**

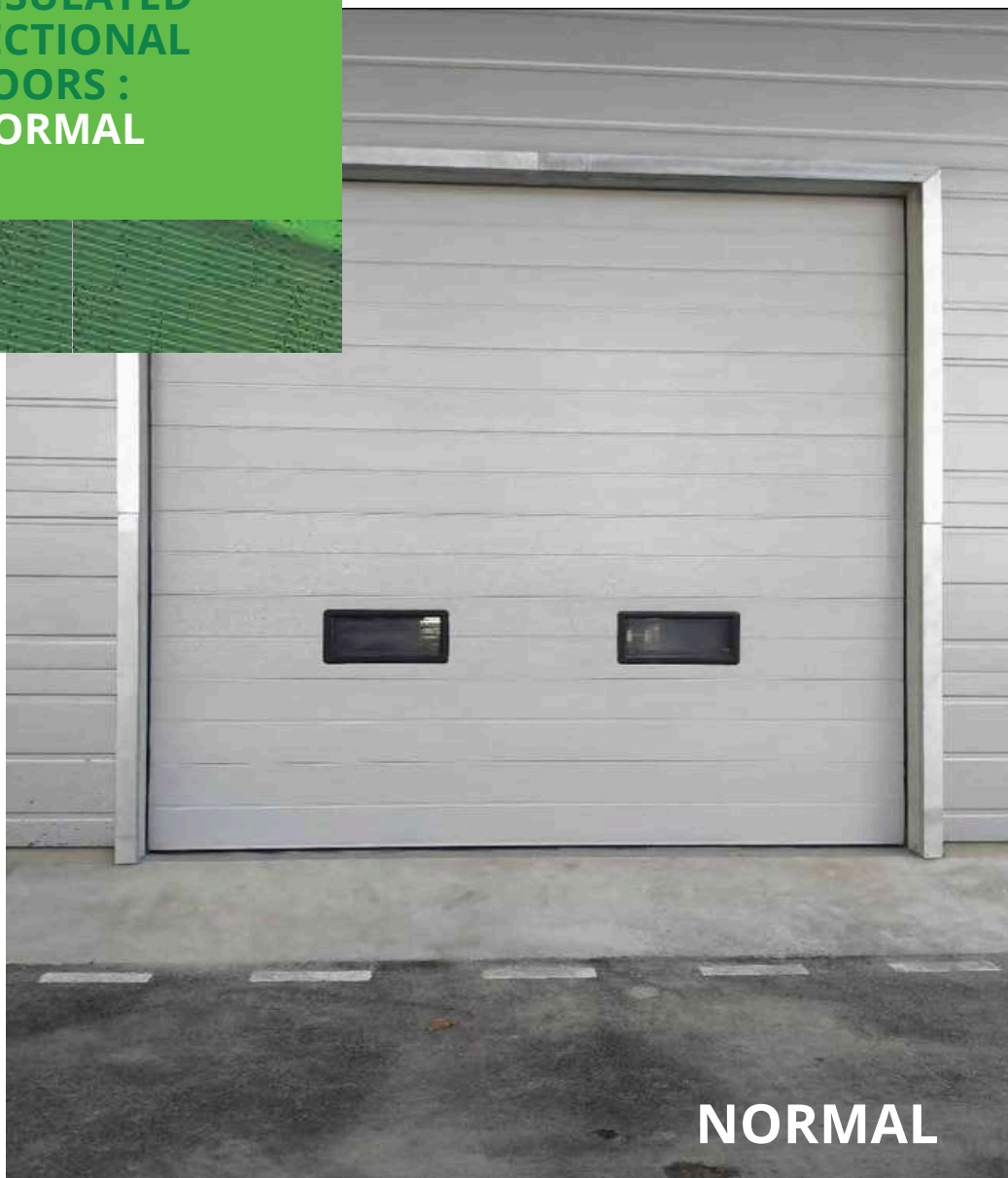


**Speed of
Manufacture**



**Insulated
PUF Panels**

INSULATED SECTIONAL DOORS : NORMAL



RELIABLE SOLUTIONS WITH EXTRA ORDINARY FINISH

Because our industrial doors are made to withstand severe use and have a long lifespan, we only utilize premium materials, such as paint and ultra-strong alloys from top global manufacturers.

Our doors are made of unique sandwich panels with a foamed polyurethane core, a superior, cutting-edge insulating substance.

The panels are 40 mm thick and can be used in any weather.

The hinges' steel reinforcements strengthen the joints and make the doors more stiff and break-resistant.

TECHNICAL DATA

MAX. OPENING WIDTH - UPTO 8000 MM

MAX OPENING HEIGHT - UPTO 6000 MM

DOOR LEAF WEIGHT - 17 KG /M2

WATER TIGHTNESS - CLASS 3

SOUND PROOFING - 24 DB

LIFT FORCE UP - UPT 40KG

AIR TIGHTNESS - CLASS 4

WIND LOAD - CLASS 2

INSULATED SECTIONAL DOORS : FULL VISION



FULL VISION

GLAZE WITH SENSE OF SECURITY.

The panoramic panel is equipped with a fillet system. If you need to change the glass you do not have to remove the whole panel, just the fillet.

The modern doors will give any facade a distinctive architectural element. Amvel Automation can provide fully-glazed doors if the highest amount of light transmission is needed.

Our full vision doors are corrosion-resistant, have a long-lasting appearance, and do not freeze at joints.

Our doors' outstanding performance makes them the ideal choice for your company.

TECHNICAL DATA

MAX. OPENING WIDTH - UPTO 8000 MM MAX

OPENING HEIGHT - UPTO 6000 MM DOOR

LEAF WEIGHT - 17 KG /M2 WATER TIGHTNESS

- CLASS 3 SOUND PROOFING - 24 DB LIFT

FORCE UP - UPT 40KG AIR TIGHTNESS -

CLASS 4 WIND LOAD - CLASS 2

ENTRANCE ROLLING SHUTTERS

Rolling shutters at the entrance Amvel Automation provides a large selection of rolling shutters, including light duty, heavy duty, and fire rated shutters, using a combination of cutting-edge technologies and partnerships with European companies. Amvel Automation has led the rolling shutters sector for more than 23 years and can meet needs ranging from industrial rolling shutter systems to affordable security shutter door solutions. We are dedicated to delivering high-quality goods and services, and we provide both motor and manually driven roller shutters in a variety of materials.

Single or double-walled shutter curtains: Made of zinc, galvanized steel, or extruded aluminum are available.

GALVALUM/ZINCALUM FIRE RATED

Shutter Curtain : Available with Zinalume & Galvanised Steel or Extruded Aluminium Single or Double walled design to suit.

Guide Rail: Available in extruded aluminum with a wind lock groove design or zinc and galvanized steel.

Bottom Bar: Available in an inverted T-shape or extruded box section made of galvanized steel or extruded aluminum.

Enclosure of Shutters: The box is made of sturdy 7 to 12mm steel plate for both ends and supports, together with a steel section frame that has been expertly primed. Box covers must have BHP zinc-alume coating and be made of 0.8mm steel sheets.

The motor drive unit Typical Features Power Source: One push-button switch, manual chain or crank override, insulation class E, 230 volts, 50 Hz, single or three phases.

Extra Features: The shutter's curtain surface is given a powder-coated wood look. bottom sensor for air pressure safety. an additional upper limit safety switch. Both ends of steel wind locks. remote control that is wireless. Guides made of stainless steel. Strip of guide silencers.





**Safe
Operations**



**Smooth
Working**



**Versatile
Designs**



**Maintenance
Free**



**High
Security**



**User
Friendly**



**Perfect
Sealing**



**Manual
Override**

AUTOMATIC SHUTTERS : MS/ GI



VARIOUS PROFILE DESIGNS IN MS/GI

MS/GI rolling shutters are very secure and aesthetically pleasing, and they are created and constructed to meet the needs of their clients. These shutters can withstand any security breach thanks to their added stiffness.

Highly secured and durable rolling shutter are available with top cover (0.7mm), made from strips (1.0mm) with interlocking lath sections, complete with side guides bottom, brackets made from Ms sheet with strong suspension shaft and fitting accessories In Best Workmanship.

These reliable shutters are available in both MS and GI.



AUTOMATIC SHUTTERS : ALUMINIUM



ELEGANCE WITH SECURITY GUARANTEE

Aluminum rolling shutters are composed of extruded aluminum profiles, which offer great functionality, durability, and efficiency along with the added benefit of being lightweight.

The shutters' ability to withstand corrosion makes them suitable for usage in challenging and hostile outdoor environments.

Double-walled aluminum profiles have a high tensile strength and offer protective sound isolation.

Silent operations are ensured by a specially extruded aluminum side guide.

When closing, a unique rubber profile at the bottom bar offers superior sealing capabilities.



AUTOMATIC SHUTTERS : GALVALUM

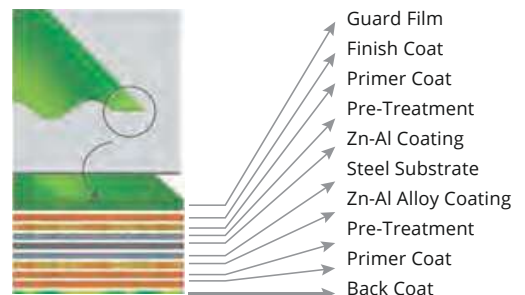


HIGHLY ANTI CORROSIVE,SUITABLE FOR F&B

Galvalum rolling shutters are made up of special coating of aluminium zinc alloy which provides excellent protection from corrosion and any security breach.

Galvalum rolling shutters are made up of a special coating of aluminium zinc alloy which provides excellent protection from corrosion and any security breach.

Due to its versatility, aesthetics and high strength ideally these shutters are suited for industrial applications. The most economical and cost effective shutters, with heavy duty profiles are designed to provide maximum security to your establishments.



AUTOMATIC SHUTTERS : FIRE RATED



FIRE RATED

FIRE SAFETY - WITH AUTOMATION

A layer of shutter curtain composed of high tensile and high thermal expansion material is known as a fire-rated roller shutter. It acts as a barrier to stop a fire from spreading and to reduce the losses that occur when a fire occurs.

Roller shutters with a fire rating of 1, 2, or 4 hours can be finished with powder coating, color coating, or natural finishing. Our shutters adhere to BS 476: PART 22 and MS 1073: PART 3.

When the thermal fusible link is engaged at 72° C, the operating system automatically shuts down and can be interfaced with smoke and fire alarm systems.



In under 1 hour the test temp. rose to 900°C high.



After 2 hour temp. reached 1050°C without problem



After 3 hours the temp. stayed at roasting 1100°C



Good even after a 4 hours of grilling at 1150°C .

DOCK LEVELERS

The dock levellers from Amvel Automation are designed to act as bridge between warehouses and trucks' or trailers' bodies and to provide quick and unimpeded movement of fork-lifts during loading/unloading. Can be used with trucks which are equipped with tail-lifts. We offer 3 types of dock levellers.

- Electrohydraulic dock levellers with hinged lip. -
- Electro-hydraulic dock levellers with telescopic lip. -
- Mechanical dock levellers.

High-performance Features

-A platform with upper sheet of tear plate with thickness 6/8 mm and a set of laminated profiles & protective side panels. - A lip made of tear plate sheet with a thickness 10/12mm. The lip is folded and milled at the end, to fit onto the truck to ease the passage of the forklifts. -The inferior structure formed by laminated profiles upon which the platform and hydraulic assembly are installed. -Safety being the core, all these have diverse safety systems: An emergency stop function. An anti-fall safety valve inside the hydraulic cylinder. Fixed and mobile side panels that serve as a foot guard. A platform with an upper surface anti-fall tear plate. Safety signals in form of stickers on moving parts. Safety bar to prevent the leveller from closing during maintenance work.



Strong
body



Easy
Maintenance



User
Safety



Customized
Solution



DOCK LEVELLERS : HING LIP



HING LIP

LEVEL UP WITH HING LIP

Simple, quick and functional -a perfect solution for any loading bay. Its hydraulic tilting mechanism and folding lip enables the dock leveller to cover the gap and height between the loading bay and the truck, allowing it to rest firmly on the loading bay.

Electrohydraulic dock leveller with hinged lip is the most typical device, that allows to arrange loading site and enables quick loading/unloading. When activated, the deck rises, the lip turns and opens. Then the dock leveller lowers until the lip rests on the truck bed. The system is ready for work. After loading/unloading is completed, the deck rises, the lip turns down and the deck returns to the rest position. Dock leveller can be installed by either embedded or suspended way. Our Dock levellers comply with rules and regulations of the European Standard EN 1398. Control unit protection class IP 54.

TECHNICAL DATA

SIZE UPTO 4500 MM (L) & 2200 MM (W)
PAINTED LAYER THICKNESS 60-90MICRON
OPERATING TEMPERATURE -30❖C TO 50❖C
MAXIMUM POINT LOAD 6.5 N/MM2
MOTOR HYDRAULIC UNIT 0.75 KW
POWER SUPPLY 380V, 3 PHASES
LOAD CAPACITY-10,000 KG
CONTROL VOLTAGE 24V

DOCK LEVELLERS : TELESCOPIC LIP



TELESCOPIC LIP

ADAPTABLE TO ANY LOADING SITUATION

Electrohydraulic dock leveller with telescopic lip is the most efficient device, which enables access of a forklift from the warehouse to the truck bed when loading/unloading.

It is used, when there is a need in exact positioning of the lip on the truck bed, for instance, if the truck is not correctly parked, or if side loading is to be performed.

Lip segments allow to load/unload the trucks, which width is less than width of the dock leveller.

After activation the deck rises and the lip slides ahead, then the deck lowers until the lip rests on the truck bed. After loading/unloading is completed, the deck rises, the lip slides in and the dock leveller returns to its rest position. Dock leveller can be installed by either embedded or suspended way.

Our Dock levellers comply with rules and regulations of the European Standard EN 1398. Control unit protection class IP 54.

TECHNICAL DATA

SIZE UPTO 4500 MM (L) & 2200 MM (W)

PAINTED LAYER THICKNESS 60-90 MICRON

OPERATING TEMPERATURE -30°C TO 50°C

MAXIMUM POINT LOAD 6.5 N/MM²

MOTOR HYDRAULIC UNIT 0.75 KW

POWER SUPPLY 380V, 3 PHASES

LOAD CAPACITY 10,000 KG

CONTROL VOLTAGE 24V

DOCK SHELTERS

Our dock shelters are designed for sealing of space between the loading dock and truck body to obtain quick and safe loading/un-loading of goods. Standard dimensions of dock shelters are good to work with trucks of any size from small truck to standard trailers.

When loading/unloading a part of the truck body is positioned inside the dock shelter, so you can load/unload goods in any weather. At that microclimate of the storage rooms is kept and draughts do not penetrate inside. Our dock shelters are available in 2 types - inflatable and curtain type. The curtain type dock shelters can be non-collapsible or with retractable structure are available in 2 types - inflatable and curtain type. The curtain type dock shelters can be non-collapsible or with retractable structure.

High-performance Features

- Our dock shelters are designed to always ensure the best possible thermal insulation and achieve energy savings while keeping the facility clean.
- Thanks to the signalling system, truck approach operations to the loading bay are made easier, thus speeding up and making the loading and unloading maneuverer more flexible.
- The dock shelter is formed by the perimeter structure that holds a set of canvases that adapt to the truck's bodywork.
- The structure may be made in several materials, depending on the type of shelter: retractable, fix, dock shelter levelled with façade, inflatable or cold store dock shelter.



Sturdy
Structure



Durable
Canvases



User
Safety



Exclusive
Models



Applications :Manufacturing Units, Warehouses , Pharmaceutical Units, Food & Beverage Companies, Automobile Industries, Cold Storage & Freezers Etc..

DOCK SHELTERS : RETRACTABLE



RETRACTABLE

MAXIMUM PROTECTION-MAXIMUM ENERGY SAVING

When transferring the goods, it also isolates the installation to save energy and increase the comfort of the work area, shelters with inclined roofs are formed by a perimeter structure that holds a series of canvases which adapt to the truck's bodywork.

Our retractable dock shelters have been designed especially to give added flexibility in loading and unloading operations with vehicles of different sizes. This structure is retractable so that if any incorrect manoeuvre is performed by the truck, the shelter returns to its initial position.

The aim is to provide a perfect seal when loading and unloading to achieve considerable energy savings and the resulting protection of the goods.

TECHNICAL DATA

SIZE UPTO - 3400MM (L) & 4400 MM (W)
LENGTH WISE TEAR RESISTANCE-UPTO 550N
WIDTH WISE TEAR RESISTANCE-900N
ULTIMATE TENSILE STRENGTH -250N
OPERATION TEMPERATURE -35 °C TO +90 °C
WORKING TEMPERATURE -35 °C TO +70 °C
TEAR RESISTENCE-250 N THICKNESS-3 MM

DOCK SHELTERS : INFLATABLE



FLEXIBILITY WITH KNOCKS

The perfect adaptation of our inflatable dock shelters to the truck blocks provides considerable energy savings by thermally isolating the exterior and providing greater interior hygiene, always without affecting the comfort & flexibility of the maneuverer.

Our inflatable dock shelters are designed to always ensure an optimal seal during the loading and unloading process.

The inflatable dock shelters are provided with an inflatable coupling system using an air turbine.

They include a single phase low pressure fan and an elastic unit to bring the dock shelter back to its initial position.

TECHNICAL DATA

SIZE UPTO - 3500 MM (L) & 3750MM (W)
LENGTH WISE TEAR RESISTANCE-UPTO 550N
WORKING TEMPERATURE -35°C TO +70°C
OPERATION TEMPERATURE -35°C TO +90°C
ULTIMATE TENSILE STRENGTH- 250 N
WIDTH WISE TEAR RESISTANCE-900N
TEAR RESISTANCE-250 N THICKNESS-3 MM

MOBILE RAMPS AND LIFTING TABLES

The lifting table is a fixed lifting device intended for vertical transportation of the goods from one level of production/ storage room to another.

Completely hydraulic drive makes operation convenient and allows functional reliability. Imported sealed components make sure that hydraulic system has excellent seal capability. It can be moved conventionally to load and unload the cargo quickly.

High-performance Features

Our scissor lifts are mainly convenient to:

- Overcome differences in level: they lift any kind of load to overcome different heights in small spaces.
- Loading bays: a scissor lift is one of the most widely used solutions when there is no height in the bay or when vehicles of different heights have to be loaded and unloaded.
- Production and Assembly systems: optimisation of assembly lines, systems of production, maintenance, repair, packaging, etc. Correct handling or preparation of products makes the operator's work easier, and contributes to productivity creating a safer working environment.

They can be included in robotised or fully automatic logistics systems.



Superior
Structure



Toe
Guard



Array of
Solutions



Double
track ball



Complete
Solution



Conformity
of Standards



AUTOMATIC ENTRANCE GATES

Being one of the pioneers in the field of entrance automation - industrial and over 23 Years of intense experience , TOSHI offers a wide range of Automatic Gates. Not only we offer the most suitable features for any and every architectonic project, but we are also capable of customising nishes and colours to integrate our automatic gates in the environment in which they are located.

Being one of the market leaders in providing automatic gate solutions, from the very outset we have been committed to technological advancements in order to provide our customers with the very best products adapted to each market, fulfilling their demands. Our products and solutions offers a variety of possibilities along with a complementing range of accessories to choose from. Our team of professionals who ensure nothing less but complete customer satisfaction.

SLIDING GATES

NORMAL SLIDING

CANTILEVER SLIDING

RETRACTABLE SLIDING

TELESCOPIC SLIDING

SWING GATES

SLIDING FOLDING



SLIDING GATES

Automatic Sliding Gates are an easy way to ensure the security of private premises and can be used anywhere in Industry. For those who find the security of their premises important, electric gates are the way to go. Aside from the basic kits, there are now many features that Amvel Automation is offering in its automatic gates which could be added to ensure security as well as make them more convenient. We Ensure that our installations have the correct safety features / and are regularly maintained.

High-performance Features

- Available in Single, Double or Four Leaf doors
- Heavy duty maintenance free operators upto 6000 Kgs/Leaf
- Micro-processor controlled intelligent operating System
- Energy efficient and saver
- Highly safe to use
- Incase of power failure, opens manually effortlessly
- Precision gear box assures quite operations
- Safe to use with its advanced obstacle detection capability
- Non Contact Limit Switches
- Can be Operated through remote control unit.
- Withstands high frequency use.



Wi Fi Based
Operators



Adaptable to
most type of Gates

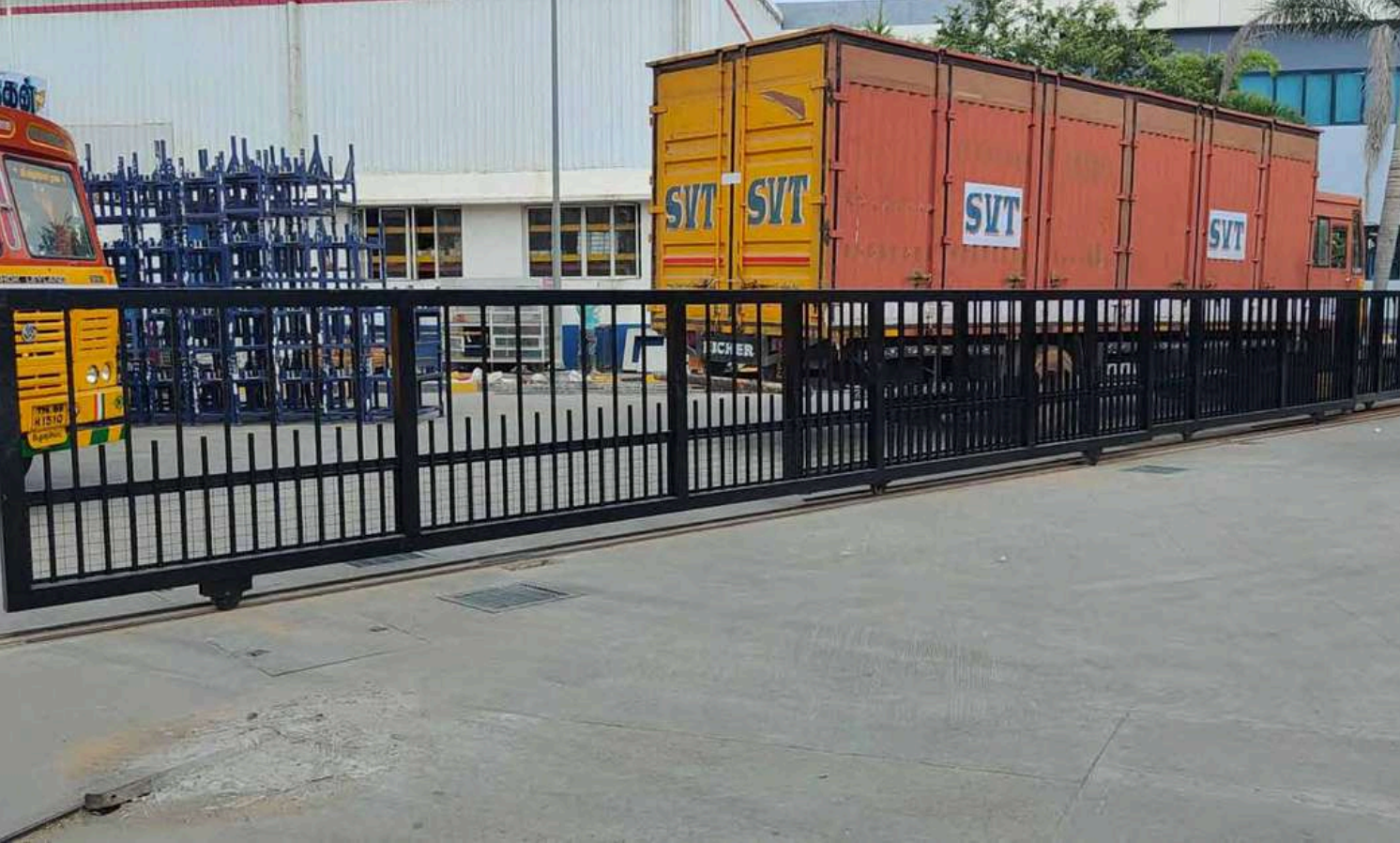


Customized
Designs

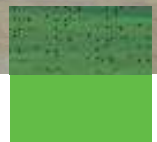


Maintenance
Free-Operations





Applications : Any Industrial Entrance.



SLIDING GATES : NORMAL SLIDING

SINGLE SLIDING

CONVENIENCE WITH OPTIMUM UTILITY

A complete range for all your Industrial and heavy duty applications. Toshi Sliding Gates & Operates are designed to work even in case of intense usage and demanding environmental conditions.

A complete range for all your Industrial and heavy duty applications. Sliding Gates from Amvel Automation Operates are designed to work even in case of intense usage and demanding environmental conditions.

Amvel Automation gates are built & structured only with quality tested Materials and techniques. Various designs & patterns are available as per the need of customer. Wide range of operators for gates weighing from 400 Kg to 6000 Kgs (Single Leaf) Heavy duty bottom tracks with imported rollers assuring smooth operations with safety. With features of power supply of 400W, current absorbed upto 4A and supporting operator weight of upto 123Kg. These highly secure and cost effective gates are available in single & bi-parting modes.

TECHNICAL DATA

DAILY CYCLES SUGGESTED- UPTO 1500

OPENING SPEED (M/S)-UPTO 0.18

MAX THRUST FORCE (N)-UPTO 9000

GATE WEIGHT (KG)-UPTO 6000

MOTOR CAPACITY (W)-UPTO 3000

CURRENT ABSORBED (A)-UPTO 4

PROTECTION GRADE (IP)-UPTO 65

GATE LENGTH (M)- UPTO 50

SLIDING GATES : CANTILEVER



CANTILEVER

CONVENIENCE IN WORST CLIMATIC & SURFACE CONDITIONS

CANTILEVER without any bottom support at ground level, activities are quiet and seamless. Both single and bi-parting modes are available.

DAILY CYCLES SUGGESTED- UPTO 1500 OPENING SPEED (M/S)-UPTO 0.18 MAX THRUST FORCE (N)-UPTO 9000 GATE WEIGHT (KG)-UPTO 6000 MOTOR CAPACITY (W)-UPTO 3000 CURRENT ABSORBED (A)-UPTO 4 PROTECTION GRADE (IP)-UPTO 65 GATE LENGTH (M)- UPTO 50

Road surfaces with slopes or uneven TECHNICAL DATA are perfect for cantilever sliding gates. They are utilized in places where there is a chance of water logging and the harshest weather conditions because they are not close to becoming obstructed. Features include a 400W power supply, a 4A current absorber, and the ability to support an operator weighing up to 123 kg.

TECHNICAL DATA

DAILY CYCLES SUGGESTED- UPTO 1500

OPENING SPEED (M/S)-UPTO 0.18

MAX THRUST FORCE (N)-UPTO 9000

GATE WEIGHT (KG)-UPTO 6000

MOTOR CAPACITY (W)-UPTO 3000

CURRENT ABSORBED (A)-UPTO 4

PROTECTION GRADE (IP)-UPTO 65

GATE LENGTH (M)- UPTO 50

SLIDING
GATES :
TELESCOPIC



TELESCOPIC

MORE CLEAR OPENING IN LIMITED SPACE

They offer the widest opening upto 2/3 of the space occupied by the gates, achieving maximum opening in minimum space.

Bi-part telescopic gates: A sliding gate featuring four opposing sliding leaves. To create the largest opening possible in the middle of the gates, the sliding leaves withdraw one behind the other.

Telescopic gates with a single slide: A sliding gate with two sliding leaves that move to one side. To provide the greatest opening on one side of the gates, the sliding leaves withdraw one behind the other. Our gates' outstanding individual design adaptability allows them to be precisely tailored to any exterior. Features include a 400W power supply, a 4A current absorber, and the ability to support an operator weighing up to 123 kg.

TECHNICAL DATA

DAILY CYCLES SUGGESTED-UPTO	1500
OPENING SPEED (M/S)-UPTO	0.18
MAX THRUST FORCE (N)-UPTO	9000
MOTOR CAPACITY (W)-UPTO	3000
GATE WEIGHT (KG)-UPTO	6000
GATE LENGTH (M)-	UPTO 50
CURRENT ABSORBED (A)-UPTO	4
PROTECTION GRADE(IP)-UPTO	65

SLIDING GATES : RETRACTABLE



QUICK FIX SOLUTION FOR SECURED ENTRANCE

A Retractable gate is used to utilize minimum space for maximum utilization with security Gates are strong enough to with stand any worst weather conditions with special cross sectional designs.

Anti Crash feature inbuilt to ensure safety at time of its operation Can be utilized in bi-parting mode using special synchronizing device. These gates have an unique infrared collision avoidance system that ensures safety of passenger & vehicles,

These run backwards automatically at a distance 20-25cm away from a person or an object, the alarm function works while some one climb the gate (optional), electronic soft startup strengthens operational smoothness by reducing rolling & inertial damage of the head.

TECHNICAL DATA

MATERIAL : SS-IN 0.7MM THICKNESS

MAX GATE SIZE : W 12.5MTR, H: 1.7MTR

MOVING SPEED: UPTO 19M/MIN

TRACK: OPTIONAL ON DEMAND

WORKING TEMP: -25 TO 75°C

MOTOR POWER: UPTO 550W

OPERATING VOLTAGE: 220V

SAFETY SENSOR: INBUILT

AUTOMATIC ENTRANCE DOORS

With more than 15 years of extensive experience, we are able to provide a broad range of entrance access solutions for a variety of particular needs, making us one of the pioneers in the auto door industry in India.

We are able to customize finishes and colors to blend our automated doors into the surrounding environment, in addition to providing the best features for any architectural project.

We are among the industry leaders in automatic door solutions, and since the beginning, we have been dedicated to technological development to give our clients the best products tailored to their needs and each market.

Our products and solutions provide a wide range of options in addition to a complementary selection of accessories. Exceptional client satisfaction is guaranteed by our team of experts.

SLIDING ENTRANCE DOORS

NORMAL SLIDING-SINGLE

NORMAL SLIDING -BI-PARTING

TELESCOPIC

HERMETIC



AUTOMATIC ENTRANCE DOORS

We provide stylish and contemporary auto sliding door systems. Designers and specifiers can use it for any facade because of its space-saving function, which discreetly hides its operators. We are able to provide our clients with an appropriate door solution for practically any entrance or transit door thanks to a range of options.

High-performance Features

- Available in Single, Double or Four Leaf doors
- Heavy duty maintenance free brushless DC Motors
- Micro-processor controlled intelligent operating System
- Adjustable speed of doors
- Energy efficient and saver
- Produces extremely low heat even in continuous operations
- Opens instantly as it comes in contact with any object or person
- Highly safe to use
- In case of power failure, opens manually effortlessly
- Precision gear box assures quite operations
- Helps to reduce the loss of temperature and noise levels



Most Advanced
Technology



Fastest
Opening



Air Transmission
Reduced by 70%



Silent
Operations

SLIDING DOORS : NORMAL SLIDING - SINGLE



SINGLE SLIDING

TOUCH OF DISTINCTION IN ANY ENVIRONMENT.

Our single sliding door is as functional as it is elegant. The sliding leaf moves to the left or the right leaving an opening at the corresponding side.

Our single sliding door is both stylish and practical. An opening is left at the appropriate side when the sliding leaf shifts to the left or right.

For installations with size constraints, single-side doors work well. One of the lowest lifetime costs of ownership of any automatic door system available today is this incredibly quiet, high-performing entrance system. It is the best option for practically every typical slide door application, thus it can be used in any setting and is guaranteed to fit almost any door opening.

TECHNICAL DATA

TEMPERATURE RANGE (°C) -15°C TO 65°C

OPENING SPEED PER LEAF: 50-70 CM/S

CLOSING SPEED PER LEAF: 15-40 CM/S

POWER CONSUMPTION (W)-UPTO 45

MICRO CONTROLLER-UPTO 32 BIT

CLEAR HEIGHT -UP TO 3000 MM

CLEAR WIDTH - UP TO 1400 MM

WEIGHT / LEAF- UPTO 120 KGS

SLIDING DOORS : NORMAL SLIDING - BI PART



BI PART SLIDING

MOST POPULAR & FUNCTIONAL AUTO DOOR

Two sliding leaves move in the opposite direction leaving a wide clear opening.

Our selection of bi-parting doors offers the fastest opening speeds on the market—up to 2 m/s—along with the highest level of safety.

It is advised for public entrances and exits with heavy traffic or in situations where traffic flow and user safety are related. Extra strength and long-lasting durability are provided by our automatic bi-part sliding door.

TECHNICAL DATA

TEMPERATURE RANGE(°C) -15°C TO 65°C

OPENING SPEED PER LEAF: 50-70 CM/S

CLOSING SPEED PER LEAF: 15-40 CM/S

POWER CONSUMPTION (W)-UPTO 45

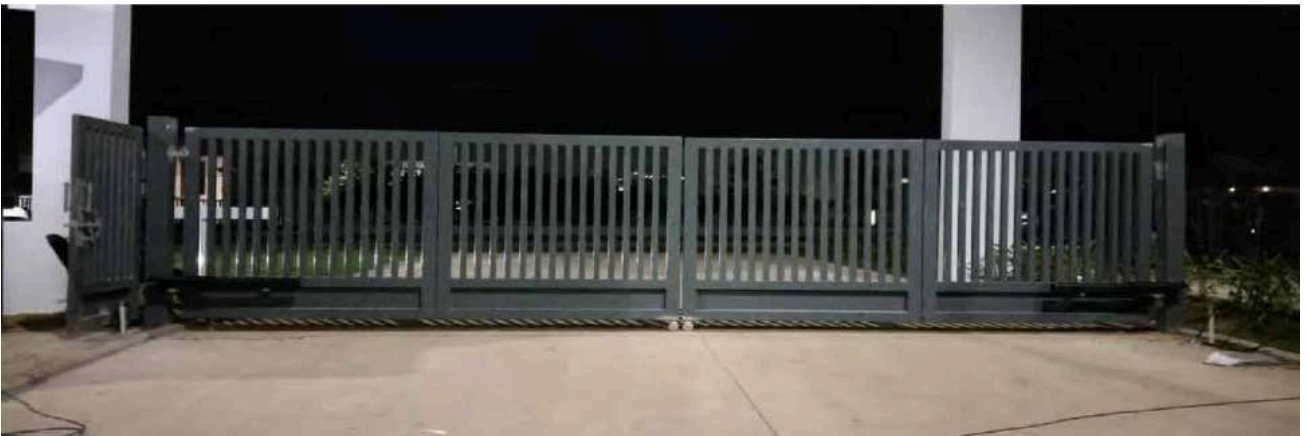
MICRO CONTROLLER-UPTO 32 BIT

CLEAR WIDTH - UP TO 2950MM

CLEAR HEIGHT -UP TO 3000 MM

WEIGHT / LEAF- UPTO 120 KGS

Actual Site Photos



Actual Site Photos



Actual Site Photos



Actual Site Photos



Actual Site Photos



Actual Site Photos



Valuable Clients



Mando



HYUNDAI
GLOVIS



HYUNDAI
MOBIS



posco



SEYON E-HWA



LG



MHE Mando-Hella
Electronics Corp.



DOOWON



KOMATSU



SL LUMAX



SAMSUNG



ROYAL
ENFIELD



DYMOS LEAR
CORPORATION



IWIN



HYUNDAI



DAIMLER



Ford



NISSAN



KIA
KIA MOTORS







대성그룹
DAESUNG GROUP



AMVEL
AUTOMATION

AMVEL Automation Pvt. Ltd.

Entrance, Logistics, Security & Industrial Automation System

 amvelautomation@gmail.com www.amvelautomation.com
 :  **+91 79041 71723 / +91 81249 71752** 

Celebrating 15 + years of AUTOMATION