

PRODUCT CATALOGUE (2019)



GANDHI
Automations Pvt Ltd

India's **No.1** Entrance Automation & Loading Bay Equipment Company

GERMAN COLLABORATION AND TECHNOLOGY WITH INNOVATIVE AND CREATIVE ENGINEERING FOR MORE THAN 20 YEARS



Quality & Safety - Our Priority

Automation for all our product range are CE certified, manufactured in accordance with

STANDARDS
EN 13241-1:2003+A1:2011
IS 6248

DIRECTIVES : 2006/42/CE
2004/108/CE

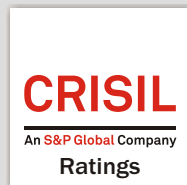
Gandhi Automations develops and manufactures its products strictly in line with these standards. You are continuously assured safe operation with regular use, assembly and maintenance.



ISO 9001 : 2015, ISO 14001 : 2015
BS OHSAS 18001 : 2007



A PARTNER WHO STANDS BY YOUR SIDE



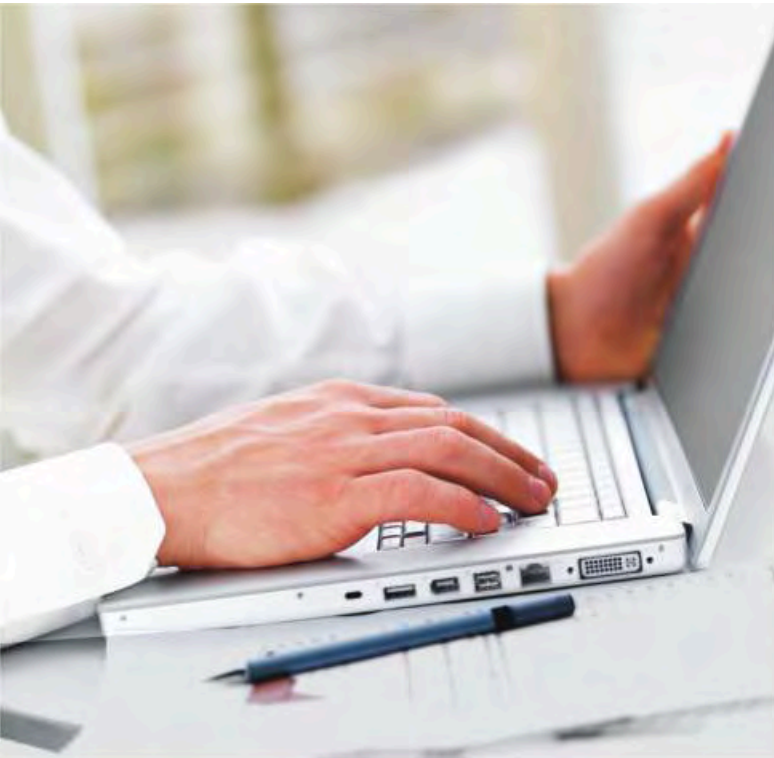
ORIGINAL SPARE PARTS
Guaranteed original spare parts availability for 10 years

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Our Quality For Your Safety



Gandhi Automations Pvt Ltd is India's No.1 Entrance Automation & Loading Bay Equipment Company Since 1996, over years of hard work, innovation, commitment to quality and reliable customer service. we have been designing, manufacturing, exporting and installing products that are problem free, safe and easy to operate.

Our comprehensive product portfolio consist of a range of solutions :

High Speed Industrial Doors, Dock Levelers & Dock Shelters, Rolling Shutters, Sectional Overhead Doors, Aircraft Hangar Doors & Shipyard Doors, Gates & Boom Barriers

Head Office

Headquartered in Mumbai; the commercial capital of India, the company has expanded its manufacturing capacity, operations, geographical reach and customer base globally. Today our products are marketed by us our distributors in more than 70 countries across the globe.



Competent Advice

Proper customer guidance and service are our top priorities. Our well trained and experienced specialists are always at your disposal from the project planning stage to final building inspection. They help you choose a perfect product solution tailored to meet your requirements.

Quality Management

The company caters to following certifications : ISO 9001 : 2015, ISO 14001 : 2015, BS OHSAS 18001 : 2007 by TÜV Nord. This has resulted in implementing continuous improvements towards personnel training, production, equipment calibration, machinery maintenance, logistics and customer relations.

Nationwide Network

Ahmedabad	■	Coimbatore	■	Kolkata	■	Raipur	■
Bengaluru	■	Goa	■	Lucknow	■	Ranchi	■
Bhopal	■	Hyderabad	■	Mangalore	■	Surat	■
Bhubaneswar	■	Indore	■	Nagpur	■	Vadodara	■
Chandigarh	■	Jaipur	■	New Delhi	■	Visakhapatnam	■
Chennai	■	Kochi	■	Pune	■		



Advance Manufacturing

Our strategically located state of the art manufacturing and warehousing facility of 3,00,000 sq. ft. near Bhiwandi (40km NE of Mumbai) ensures high-quality product outputs and short delivery times.

The innovations and creative engineering applications of Gandhi Automations is a result of extensive and accurate in-house research and development

All essential product components & accessories as well as control technology units are designed in-house and produced using European collaboration and technology.

Our product engineering team uses latest software combined with advanced machinery to offer our customers an excellent engineered, efficient and finished product.



Packaging

Special care and necessary precaution is taken while packaging our products for dispatch to the installation sites. Each consignment is supervised by a team of experts who ensure that material is dispatched efficiently and promptly.

Install, Commissioning & Service

Our team of committed and diligent engineers and technicians are at your service continuously; many of whom are trained at advanced training centers in Europe so as to ensure perfect installation and trouble-free commissioning according to the specifications thus assuring product reliability and longevity.



Dynamic Customer Service

Our Customer Care team offers 24x7 service. We lay great emphasis on exceptional aftersales service and provide Spares, Preventive Maintenance and Annual Maintenance Contracts for minimum downtime ensuring durability and drive maximum ROI.

Our widespread service network assures response time to a minimum.

In rare case of any product failure, all you need to do is reach for the telephone.



TOLL FREE

1800 209 0200

From Anywhere in India

One call and one of our highly trained service technicians will be on its way in a fully equipped customer service van with wide range of original spares.

High Speed Doors (Self-Repairing)

CE certified

SELF - REPAIRING

Differential
Air Pressure





Under Pressure



Over Pressure

Prime Clean Reset

Air Tight Self-Repairing

High Speed Doors

CE certified



- Clean Room High Speed Doors are designed for internal applications and protects your internal environment against draughts, humidity, dust and dirt.
- Operating speed and superior sealing properties improve traffic flow and provide the required environmental control thus saving on energy costs.
- The doors operate on the concept of low air permeability in pressurized rooms with positive and negative air pressure.
- High door efficiency & low permeability values range as EN 12426 EN 12427 : $< 12\text{m}^3/\text{m}^2\text{h} \Delta 50 \text{ PA}$.
- High leak tightness is due to curtain being tightly integrated in special finish side guides.
- Bottom safety edges and inbuilt photo cells combine to ensure operator safety at all times.
- Heavy duty motor : 415V three phase, opening speed upto 2.0 m/s with inverter system.
- Size upto : 4000 mm (W) x 4000 mm (H).

Prime Reset EE

High Speed Emergency Exit Door

High Speed Doors

CE certified



- Heavy duty automatic self-repairing flexible door featuring evacuation / exit passage within door during emergency.
- Vision windows provided for viewing other side during evacuation.
- Electronic safety device to reverse the door motion when any obstacle is hit.
- 415V Three phase heavy duty motor. Opening speed up to 2.0 m/s with inverter system.
- Stress and wearing on mechanical parts are reduced with start and stop functions, thereby ensuring reliability and long life of the door.
- IP65 electronic panel complete with Open-Close-Emergency Stop push buttons and self-test function.
- Resistance to wind load according to EN 12424 Class 1.
- Size upto : 6000 mm (W) x 6000 mm (H).



Prime Reset

Self-Repairing

High Speed Doors

CE certified



- Heavy duty automatic flexible door featuring special and innovative self-repairing system; incase the curtain accidentally gets dislodged, can be recovered with a simple opening and closing operation.
- Full size flexible curtain is made of self-extinguishing polyester, with no horizontal strengthening parts, which slides inside the side hinges.
- Electronic safety device to reverse motion when door is closing if an obstacle is hit.
- Heavy duty motor : 415V three phase, opening speed upto 2.0 m/s with inverter system.
- The start and soft stop facilities avoid mechanical parts stress and wear, thus ensuring reliability and long life of the door.
- IP65 electronic panel complete with open-close-emergency stop push button unit and self-test function.
- Resistance to wind load according to EN 12424 Class 3.
- Size upto : 6000 mm (W) x 6000 mm (H).
- Great Sealing against dirt, dust, humidity etc.



- Designed to meet the specifications and stringent hygiene requirements for applications in the food industry.
- Easy to clean, disinfect and prevent dirt from collecting to maintain hygiene in production areas.
- Resistance to spray water and insensitive to cleaning agents.
- Doors provided with efficient seals to prevent ingress of vermin and other contamination.
- All structural components that may come into contact with water are either made of Stainless Steel or have a corrosion-proof finish.
- FDA approved Polystone® M-Natural guides available as standard for environments that demands rigorous cleaning routines.
- Integrated motorisation for very heavy duty use : 415V three phase, opening speed upto 2.0 m/s.
- Size upto : 4500 mm (W) x 4500 mm (H).



Prime Freezer

Deep Freezer Door

High Speed Doors

CE certified



- Designed specifically to provide a perfect solution where temperature control is critical and safety concerns are at a premium.
- The high operating speed combined with superior sealing and optimizes the internal traffic flow and provides energy savings.
- Internal heating system provided within the guide prevents ice formation even during intensive cooling.
- Suitable for both positive and negative temperature, operating temperature range : +5 to -35° C.
- Special double curtain construction with insulation.
- Innovative insulated curtain with high thermal efficiency is available optionally, for additional saving on energy costs.
- Revolutionary soft bottom edge and sensor combine to ensure operator safety at all times.
- Heavy duty motor : 415V three phase, opening speed upto 2.5 m/s with inverter system.
- Size upto : 4500 mm (W) x 5000 mm (H).

Prime Freezer Duo

Double Curtain Door for Low Temperature

High Speed Doors

CE certified



- Innovative dual curtain technology that simultaneously opens and closes operation with blower / dryer.
- Dual curtain aids in isolating the freezer area from other area thus reducing convection.
- Partial and full openings are available to minimize convection and energy losses through operation of Freezer Door.
- Suitable for temperature range between +5°C to -35°C.
- Prime Freezer Duo High Speed Doors are self-repairing, the door curtain resets in case it comes out of the guide due to accidents like an impact with a forklift.
- Galvanized Steel guides incorporated with heating elements prevent ice formation during intensive cooling. Stainless Steel & Aluminium Guides are available on request.
- Heavy duty motor : 415V three phase, opening speed upto 2.5 m/s with inverter system.
- Size upto : 4500 mm (W) x 5000 mm (H).
- Bottom safety is ensured by proximity sensors to avoid abrupt landings.



High Speed Doors

CE certified





- Internal door designed for safe and continuous operations, also creates proper partition between different departments / operations.
- Galvanised steel structure as standard, aluminium or Stainless Steel matt finish structure which integrates traction unit, rapid wirings and safety photocells.
- Flexible curtain in self-extinguishing material complete with anodised Aluminium extrusions for holding the interchangeable modular sections.
- Interchangeable modular sections allow easy arrangement of differently coloured and transparent panels, as well as easy replacement in case of accidental damage.
- Integrated motorisation for very heavy duty use : 415V three phase, opening speed upto 2.0 m/s with inverter system.
- IP65 electronic panel complete with open-close-emergency stop push button unit and self-test function.
- Resistance to wind load according to EN 12424 Class 2.
- Size upto : 6000 mm (W) x 6000 mm (H).



Prime Plus

Sturdy and Safe

High Speed Doors

CE certified



- External door engineered for any industrial application.
- Fast, reliable and energy efficient during strong drafts.
- Galvanised Steel structure as standard, Stainless Steel matt finish structure which integrates traction unit, rapid wirings and safety photocells.
- Reinforced flexible curtain in self-extinguishing material.
- Spring steel wind locks in curtain pocket, with side twin rollers, ensures silent door travel, higher wind loads and curtain stability.
- Integrated motorisation for very heavy duty use : 415V three phase, opening speed upto 2.0 m/s with inverter system.
- IP65 electronic panel complete with open-close-emergency stop push button unit and self-test function.
- Resistance to wind load according to EN 12424 Class 3/4.
- Size upto : 10000 mm (W) x 7000 mm (H).

Prime King

Oversized Design For Large Openings

High Speed Doors

CE certified



- Unique folding design and strong lifting belts, constructed of polyester, wear and traction-resistant can operate in the most diverse situations even in windy conditions.
- Galvanised Steel structure as standard, Stainless Steel structure which integrates traction unit, rapid wirings and safety photocells.
- Reinforced flexible curtain in self-extinguishing material fitted with strong tubes to ensure proper door functioning in large openings and wind exposed areas.
- Integrated motorisation for very heavy duty use : 415V three phase, opening speed upto 2.0 m/s.
- Simple, functional control panel with open-close-emergency stop push button unit and self-test function.
- Resistance to wind load according to EN 12424 Class 2/3.
- Size upto : 15000 mm (W) x 10000 mm (H).
- Larger sizes available on special request.



Prime Metallic

Rapid & Versatile

High Speed Doors

CE certified



- Ideal for high security applications where speed is important, traffic is frequent and door safety concerns are paramount.
- Distinguished as extremely fast, durable, safe and low maintenance high performance door.
- The fast opening speed and its compact size make it possible to optimise the flow of people and vehicles.
- Door panels are made from anodized double-skinned aluminium alloy with rockwool insulation.
- Transparent vision panels are available optionally increases visibility & light into the working environment.
- The aluminium door panel slats roll up on winding shaft without contact and makes it possible to reduce vibration, noise and wear maintenance to minimum.
- In case of accidental impact, it is only necessary to replace the damaged slats, thereby reducing the cost.
- Heavy duty motor : 415V three phase, opening speed upto 2.5 m/s.
- Size upto : 5000 mm (W) x 5000 mm (H).

Prime Conveyor

Special Desires

High Speed Doors

CE certified



- Specially developed to work in combination with the conveyor system for continuous operation.
- Installed between operating sections and storage areas within the conveyor system, helps to save energy and reduce draughts and noise level.
- Galvanised Steel structure as standard, Aluminium or Stainless Steel structure which integrates traction unit and rapid wirings.
- Flexible curtain in self-extinguishing material complete with anodised Aluminium extrusions for holding the interchangeable sections.
- Modular sections permit easy replacement in case of accidental damage.
- Heavy duty motor : 415V three phase, opening speed upto 2.0 m/s with inverter system.
- Advance control device, with option of integration with PLC system.
- Size upto : 4000 mm (W) x 4000 mm (H).



Prime Machine

Safeguarding Man and Machine

High Speed Doors

CE certified



- Innovative internal door specifically designed for industrial application where process integration is the challenge and safety to personnel working close to automated manufacturing processes.
- Flexible curtain without rigid element avoids injuries and damages
- Galvanised steel structure as standard, Stainless Steel matt finish structure which integrates traction unit, rapid wirings, safety photocells and safety switches.
- The door can be integrated directly into the control systems of the automated machinery and thus door can open only when the machine is idle and the machine can be operated only when the door is closed.
- Reduced cycle time with fast open and close operation increase product flow and process productivity. Heavy duty motor : 415V three phase, opening speed upto 2.0 m/s with inverter system.
- IP65 electronic panel complete with open-close-emergency stop push button unit and self-test function.
- Size upto : 4000 mm (W) x 4000 mm (H).



- Designed, developed and certified in accordance with EC Explosion Protection 94/9/EC and EN 13463-1.
- Galvanised Steel structure as standard, Aluminium or Stainless Steel matt finish structure which integrates traction unit, rapid wirings and safety photocells.
- Flexible curtain in self-extinguishing material complete with anodised aluminium extrusions for holding the interchangeable sections.
- Modular sections permit easy replacement in case of accidental damage.
- The interchangeable PVC sections ensure better visibility and therefore safety while passing through the door.
- Heavy duty motor : 415V three phase, opening speed upto 2.0 m/s with inverter system.
- Explosion proof advance and robust control device, to be installed outside the Ex-Area.
- Size upto : 4000 mm (W) x 4000 mm (H).



Dock Levelers

CE certified

Built in
conformity with
EN 1398



Loading Bay Equipment



Distinctive Features of Dock Levelers

- Robotically welded platform and lip in almond anti-slip steel.
- Single effect lift cylinder, double effect lip cylinder.
- Safety stop in case of accidental departure of the vehicle. Maximum pressure valve.
- Various sizes of rubber bumpers available.
- Side foot protection steel guards.
- Lip support in resting position to prevent any cutting or overwhelm.
- Yellow / black side strips to evidence possible steps when the Dock Leveler is in use or underneath the dock.
- Sturdy integral maintenance strut to support the platform during maintenance checks.
- Auto adjust alignment in case of uneven leveling.



Radius Lip Dock Levelers

CE certified

Loading Bay Equipment



- Radius Lip Dock Levelers aids in adjusting the height of the bay area as per the Vehicle. The Lip helps in bridging the gap between the facility and the vehicle.
- It enables a forklift or pallet truck to drive through on and off the vehicle with the material.
- CE European Certification.
- The self-cleaning lip hinging system does not retain rubbish with automatic end-of-run, so as to keep the 25 mm security distance between the folded lip and structure as per EN1398 & EN 349.
- Built in conformity with EN 1398. Robotically welded platform and lip in anti-slip steel.

*Standard dimensions in mm of the BASE types, 6t point load (15t evenly distributed) or MAXI 9t point load (22t evenly distributed).

Model	Platform width	Platform length	Lip length	Pit width	Pit height
RDL 2025	2000	2500	410	2040	550
RDL 2030	2000	3000	410	2040	550
RDL 2035	2000	3500	410	2040	550
RDL 2040	2000	4000	410	2040	550
RDL 2045	2000	4500	410	2140	550
RDL 2225	2200	2500	410	2240	550
RDL 2230	2200	3000	410	2240	550
RDL 2235	2200	3500	410	2240	550
RDL 2240	2200	4000	410	2240	550
RDL 2245	2200	4500	410	2240	550

*Other dimensions available on request.

Telescopic Lip Dock Levelers

CE certified

Loading Bay Equipment



- Telescopic Lip Dock Levelers have a moveable telescopic lip, which provide a larger contact area between vehicle bed and dock leveler.
- Telescopic Lip Dock Levelers are ideal for connecting vehicles unable to drive near dock i.e. sea containers, side loading railway wagons etc.
- CE European Certification.
- The truck can be loaded right upto the very last centimeter as the telescopic lip can be positioned with pinpoint accuracy.
- Telescopic Dock Levelers are capable to extend its lip upto 1 m.
- Built in conformity with EN 1398. Robotically welded platform and lip in anti-slip steel.

*Standard dimensions in mm of the BASE types, 6t point load (15t evenly distributed).

Model	Platform width	Platform length	Lip length	Pit width	Pit height
TDL 2025	2000	2500	500 - 1000	2040	550
TDL 2030	2000	3000	500 - 1000	2040	550
TDL 2035	2000	3500	500 - 1000	2040	550
TDL 2040	2000	4000	500 - 1000	2040	550
TDL 2045	2000	4500	500 - 1000	2140	550
TDL 2225	2200	2500	500 - 1000	2240	550
TDL 2230	2200	3000	500 - 1000	2240	550
TDL 2235	2200	3500	500 - 1000	2240	550
TDL 2240	2200	4000	500 - 1000	2240	550
TDL 2245	2200	4500	500 - 1000	2240	550

*The dimensions are nominal only. The technical drawings, supplied on demand, are to be considered valid for installation and operation.

Edge-of-Dock Levelers

for special requirement

Loading Bay Equipment



- Edge-of-Dock Levelers are low cost yet high performing solutions for applications that have standard or little variance in truck bed heights at loading dock.
- It is ideally suited where pit leveler installation is not feasible.
- Edge-of-Dock Leveler is developed in compliance with the latest European safety standard, EN 1398. It has a capacity of 6000kg and is suitable for use with all types of loading equipment from manual pallet trucks to fork trucks. Robotically welded platform and lip in anti-slip steel.
- The open hinge lip construction, carries a lifetime guarantee & has a solid welded connection between the lip plate & the beams under the deck to ensure the lip angle of 7.5° is maintained. This is extremely important when loading / unloading vehicles with bed heights above Dock Leveler, to ensure that the lip always lays flat on the vehicle floor to avoid the tripping hazard.
- Edge-of-Dock Leveler platform is mounted to the edge of a building wall to assist loading & unloading in a limited working range of 100mm above dock and 100mm below dock.

Model	Total width	Platform width	Total length	Lip range beyond bumpers	Bumper projection	Working range above dock	Working range below dock
EOD-72 HP	2255 mm	1830 mm	700 mm	245 mm	455 mm	100 mm	100 mm
EOD-2000 HP	2425 mm	2000 mm	700 mm	245 mm	455 mm	100 mm	100 mm

N.B.: The 'HP' (high profile) model is suitable for forklifts or high clearance ride-on trucks.



- The Retractable PVC front panels Dock Shelter is the most popular & used.
- Available for dock level installation, or for ground level installation for the protection of doors without dock.
- The front panels are made of high resistance black PVC reinforced with double weaving of polyester that works like spring in order to seal the vehicles of different shapes.
- Side and top panels are of standard yellow PVC, bright at the inside with the day light, inset into the throats of the perimeter frame.
- Retractable steel framework is supplied with hinged arms to provide a shelter which if struck by misaligned vehicle easily retracts behind the bumper face without any damage to the shelters.





- Inflatable Dock Shelters are elastomeric tubes designed to round out gaps with the introduction of a medium (usually air) to form a tight barrier between a mounting and striking surface. This helps in sealing any air gaps.
- Inflatable Shelters provide the most versatile seal available to service the widest variety of truck and trailer configurations.
- Contrary to other types of Dock Shelters, the vehicle does not push towards the shelter.
- Instead the shelter is inflated around the docked vehicle providing complete seaming.
- The cushions retract rapidly to their rest position when the fan is switched off to let the vehicle go.
- Use of fixed wheel guides is strongly recommended to ensure correct alignment of the vehicle when reversing against the Dock Seal.



- Thanks to its high insulation factor, the Cushion Dock Shelter is an ideal solution for controlled temperatures.
- The three cushions are made of elastic polyurethane foam, covered with PVC coated polyester fabric, supporting vehicle pressures and perfectly sealing the three sides, including the space between opened rear doors and sides of the vehicle.
- The two vertical cushions have continuous overlap of anti-friction limpets allowing for the up and down heavy friction of the vehicle on its suspensions, during the loading.
- Bold guidance markings at the front of the seal side cushions are useful point of orientation when reversing onto the Dock Seal.
- It is available with fixed or adjustable horizontal top cushion, adjustable to different vehicle heights.





- Porto doors are built to ensure the highest ease and flexibility of use, which also allows quick, hassle free and accurate replacement of old doors.
- Porto door design is optimal who need robust, well-insulated and space saving door in compliance with safety requirements.
- The Panels are sturdy and consist of double-skinned pre-painted Galvanized Steel, thickness 40 mm. The door panels are available in two heights 500 mm and 610 mm. They are connected with each other by Galvanised Steel hinges. This guarantees safety and durability.
- The core insulated with high-density (45 kg/m^3), CFC-free polyurethane foam offers high protection from outside temperatures and soundproofing as well as great sealing effect.
- Reliable, safe, easy and low noise operation.
- Our Sectional Doors fit openings to a maximum width of 15,000 mm and height of 10,000 mm. Future developments and continuous improvement of existing systems are our standard procedure.



- MaxVista is a Sectional Overhead Door designed to be combined with thermally insulated panels and extruded Aluminium panels, shaped for inserting transparent acrylic, grilled or meshed windows.
- This combination gives the door a very distinctive look, which enhances the face of both commercial and industrial buildings, where MaxVista blends in perfectly as a practical and decorative feature and improved vision.
- It makes the environment light and pleasant to work in as it allows natural light to go through the large clear area.
- The Aluminium profiles and the glass window sections are highly resistant to the elements and ensure a longer life of the door.
- For easy access for people and small transport vehicles, a separate threshold-free side door or an integrated pedestrian door, provide access even when the Sectional Door is closed.
- The heat loss is saved from the building by decrease in the number of times the door is operated making it energy efficient.



Rolling Shutters - Quality Engineered



Rolling Shutters

Gandhi Rolling Shutters are ideal for situations where side room is at a premium and security is required. Our Rolling Shutters require very little headroom above the structural opening. They combine strength with elegance along with durability and are designed for both external and internal applications.

Gandhi Rolling Shutters are fabricated of interlocked Galvalume, Galvanised Insulated and Non Insulated, Stainless Steel, Patented Aluminium and Bright Steel Bar Rolling Grills.

Each of our Rolling Shutters is solidly constructed to promote trouble-free operation and long life. The Rolling Shutters can also be designed as per client's specifications or conforming to IS 6248.





- Galvalume Rolling Shutters are ideally suited for most types of Industrial and Commercial applications.
- The Aluminium-zinc alloy coating offers excellent corrosion resistance. It retains the sacrificial properties of zinc relative to steel while Aluminium provides a tough film of Aluminium oxide to increase barrier protection.
- Galvalume Rolling Shutters continues to gain approval by architects, building owners and many others due to its versatility, ease of use, aesthetics and long-term performance.
- Single-skinned Galvalume Steel without protective paint is standard. On request Galvalume Rolling Shutter is available with protective paint or polyurethane paint in any RAL colour.
- Galvanised Steel is available on special request.



- Galvalume Rolling Shutters with finely perforated profiles helps in achieving visibility, light infiltration and ventilation.
- Used extensively in shopping malls, garages and high street retail premises, perforated roller shutters present a most economical method of providing a secure closure to large or small openings.
- Rolling Shutters can either be fabricated entirely of perforated profiles or these special profiles can be selectively used to provide partial visibility.
- Single-skinned Galvalume Steel without protective paint is standard. On request Galvalume Rolling Shutter is available with protective paint or polyurethane paint in any RAL colour.
- Galvanised Steel is available on special request.





- Isotherm Rolling Shutters are designed for a variety of industrial, warehouse, loading bays & commercial uses.
- The shutters can be custom made to fit large openings and are ideal for situations where security is required.
- Rolling Shutters with galvanised double-skinned PUF insulated profiles give aesthetically pleasing appearance, ensure good thermal and acoustic insulation with energy efficiency and durability.
- Isotherm Rolling Shutters can be fabricated with Isotherm vista profiles made of Plexi glass double glazing window for visibility.
- The curtain is guided vertically by roll formed Galvanised Steel guides mounted on each side of the Rolling Shutter. The special shaped 'Omega' guides with integrated rubber and brush seals prevent metal-to-metal contact, ensures quiet shutter operation and also provide effective sealing.
- Bend-resistant double-skinned extruded Aluminium profile for additional strength. The bottom rail is fitted with extruded rubber bottom seal that will seal against the floor when the door is fully closed.



- Aluminium Rolling Shutters being corrosion resistant can be installed in areas where it would be exposed daily to atmospheric conditions that cause corrosion.
- Aluminium Rolling Shutters are made of design patented extruded double wall Aluminium profiles provide durability, efficiency and functionality while being light weight.
- Double-skinned Aluminium profile without insulation and protective paint is standard. On request it is available with insulation for oven application or polyurethane painted in any RAL.
- Aluminium side guides with integrated seals ensure quiet shutter operation. Bend-resistant double-skinned extruded Aluminium profile for additional strength and the bottom rail is fitted with extruded rubber bottom seal will seal against the floor when the door is fully closed.





- Stainless Steel Rolling Shutters made of SS304 or SS316 interlocked profiles have a very good corrosion resistance while providing an appealing finish.
- They are capable of withstanding adverse weather conditions, thus providing 100% safety and security.
- Single-skinned SS304 / SS316 steel with matt finish is standard.
- SS304 / SS316 side guides with integrated seals ensure quiet shutter operation. Bend-resistant Stainless Steel bottom profile SS304 / SS316 for additional strength and bottom rail is fitted with rubber bottom seal that will seal against the floor when the door is fully closed.



Honeycomb Rolling Grills

- Rolling Grills of this design is highly suitable for any commercial or industrial application where protection and ventilation are paramount.
- Bend-resistant double-skinned extruded Aluminium profile for additional strength. The bottom rail is fitted with extruded rubber bottom seal that will seal against the floor when the door is fully closed.
- Honeycomb Rolling Grills constructed of Bright Steel Bar are attractively patterned and are ideal for display windows of showrooms, shopping malls and perfectly match with any building's architecture & interior space.
- Rectangular Rolling Grills are constructed of design patented horizontal round polished bar interlinked with vertical Bright Steel polished bar, surface without protective paint as standard. On request polyurethane painted in any RAL is available.
- Operational noise and wear of grills are significantly reduced as galvanised side guides with integrated seals provide optimal sealing.
- Choice of two unique designs catering to all requirements.



Rectangular Rolling Grills

Fire Rated Rolling Shutters

American (UL / FM) and British Standards

Fire Shutters / Doors



- Fire Rated Rolling Shutters are rated physical fire barriers that protect wall openings from the spread of fire and are designed to close automatically in the event of fire or an alarmed event. Automatic closure will be thermally controlled by means of fusible link.
- Fire Rated Rolling Shutters with upto 4 hours BS 476: Part 22: 1987 standard certified by Exova Warrington UK.
- Alternately Fire Rated Shutters tested and certified to American Standards for upto 4 hours UL/FM label are also available.
- Application includes industrial, commercial, institutional and retail projects where fire protection is required.
- Constructed of Galvanised Steel or Stainless Steel in a variety of gauges, profile designs and finishes for unsurpassed strength, durability and style.
- Automatic closing of the shutter in the event of fire detection by means of fusible link activated at 74°C.
- The operating system can be directly wired for activation by fire alarm systems or smoke detectors.



Before the test



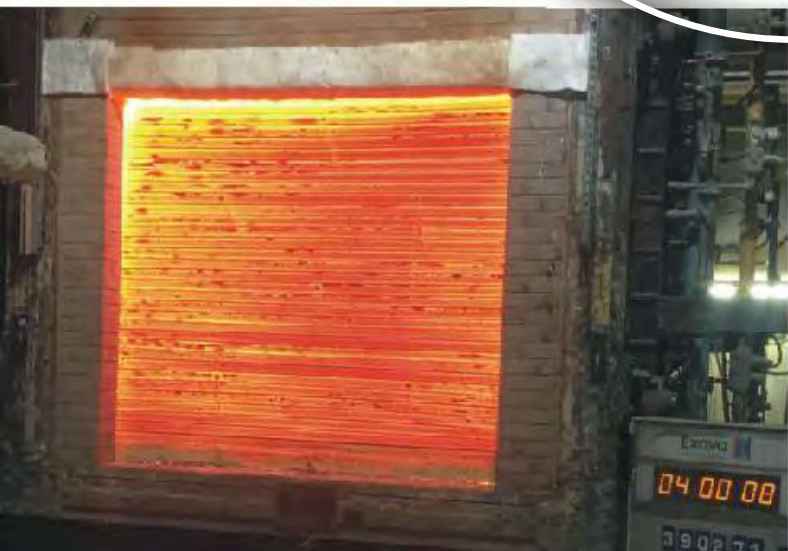
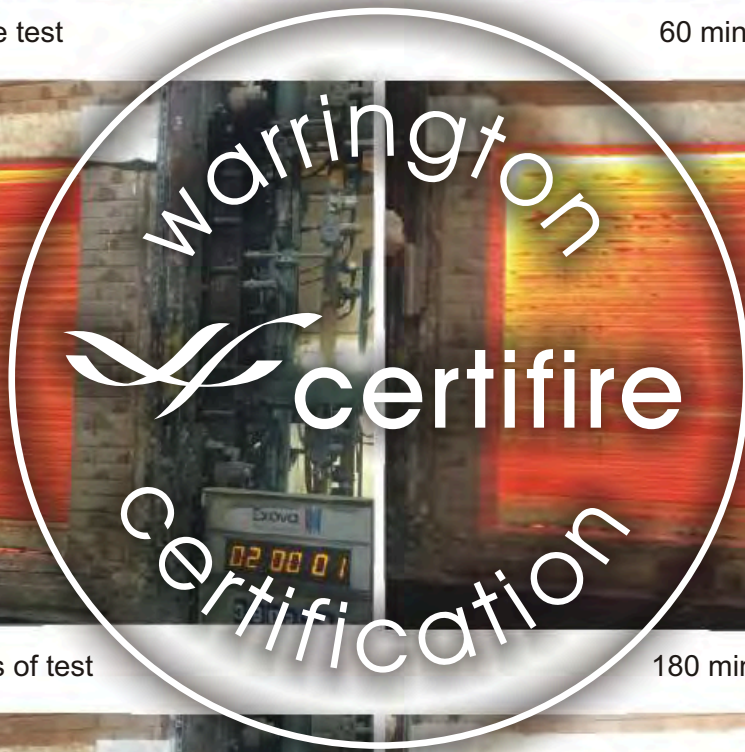
60 minutes of test



120 minutes of test



180 minutes of test



240 minutes of test



270 minutes of test - end of test

Fire Rated Sliding Doors

UNI CNVVF/CCI UNI 9723 Standards

Fire Shutters / Doors



- Fire Rated Sliding Doors are available in single and double leaf doors with a maximum size of 8500 mm x 6000 mm and fire resistant to UNI 9723.
- Ideal for large wall openings, also where headroom is limited frames can butt upto a ceiling or fix directly to overhead lintels.
- Braking devices and automatic control systems can keep doors permanently open but close them in an emergency.
- Personnel access doors and wicket doors can be supplied without a bottom sill (threshold) allowing them to be used when the "parent" door remains closed.
- Fire resistant glazing can be fitted to access doors and sliding panels.



- Doors are constructed of 100% CFC free polyurethane high density insulated steel sliding doors of 80 mm, 120 mm or 150 mm thickness with protection against corrosion or corrugated PEB cladding sheet.
- Minimum headroom required and is best suited for temperature controlled areas.
- Top rollers made of self-lubricating nylon which ensures smooth and noise free movement of the door.
- Hot galvanised material treated with primer and polyester resin offer optimum protection against adverse effects of the environment.
- Equipped with CE certified rugged and powerful drive unit, integral electronic control unit and built in contactless magnetic limit-switch.



Aircraft Hangar Doors & Shipyard Doors



Hangar Doors

CE certified



Gandhi Automations Pvt Ltd is the sole manufacturer of Hangar Doors and Heavy Industrial Sliding Doors for Aircrafts, Shipyards, Stadiums etc. in India certified to high quality management system by **TÜV Nord**.

The company conceptualizes, designs, manufactures, installs and services Hangar Doors and Heavy Industrial Sliding Doors. The Doors are manufactured with high quality mechanical and electrical equipment that makes the doors very robust and reliable.

The product engineering team uses the latest structural and mechanical engineering software, 3D CAD packages with technologically advanced machinery to offer the customer a well-engineered product. Over years of meticulously working on design, fabrication and installation, Gandhi Automations has developed technical expertise in manufacturing doors designed to meet the customer's requirements thus allowing customizations.

A consistent quality product is the hallmark of Gandhi Automations' manufacturing process right from the installation to after sales service.

Applications:

- Aircraft Hangars
- Shipbuilding
- Sand-blasting and Paint Shops
- Panel-line and Module Shops
- Aluminium Welding Shops
- Shipyard Modernization Projects
- All Weather Terminals (AWT)
- Yacht Building Facilities
- Exhibition Facilities
- Stadiums and Sports Arena





- Extra large upward lifting fabric doors for aircraft hangars are designed to withstand fluctuations in moisture levels & temperature.
- Other applications like shipbuilding, steel mills, mining, aerospace, manufacturing & military facilities.
- Resistant to dirt, rust & resist even in the most violent wind conditions.
- Doors have elevating support posts that are ideal for extra wide & extra high doorways.
- We also have available doors with specialised design to do away with the problems traditionally associated with craneways, paint facilities & sand blasting.
- There is virtually no limit to size of the doors as each door is custom designed & built as per specifications.



- Robust steel construction bottom rolling sliding doors are an excellent application for any pre-engineered or custom designed facility.
- These doors are designed to withstand wind load criteria and protect the indoors from all types of weather due to the advanced weather sealing system.
- State-of-the-art drive systems with user friendly controls at low level for easy access during power failure and maintenance.
- Multiple safety devices available.
- Heights ranging from 6 m to 40 m and unlimited width.
- Choice of cladding, glazing, wicket doors, colours and configurations available.



Gates - Quality Engineered



Gandhi gates are designed and fabricated with special square or rectangular hollow sections, along with MS sheets and flats assembled by high quality welding.

These gates are not only aesthetically pleasing but sturdy and perfectly aligned. The pre-tensioning of the gate leaf construction reduces the risk of bending. The gate leaves typically comprises of rectangular hollow sections, square hollow sections or square bars and perimeter frame of sufficient strength. The leaf design is available in a standard form or custom made to suit individual client's requirement.

The gate is supported by galvanised adjustable upper guide bracket with nylon rollers, guide post with safety strike, Italian made galvanised wheels with ball bearings and axle with lubrication point. These components enhance the efficiency and life span of the gate. The complete gate is coated with grey epoxy primer as standard and on request cold spray galvanised or PU painted in colours according to the RAL.

A consistent quality product thus becomes the hallmark of Gandhi Automations' manufacturing process right from installation to after sales service.





- Gandhi gates designed and fabricated with special square or rectangular hollow sections, along with MS sheets and flats assembled by high quality welding.
- Gates are aesthetically pleasing and the pre-tensioning of the gate leaf construction reduces the risk of bending.
- Wide range of models for gates weighing from 300 kg to 18000 kg.
- Startup at maximum power permits motor to overcome any initial friction caused by ice, dust etc. Motor protected by internal thermal switch.
- Obstacle detection causes the gate movement to stop if an obstacle is detected.
- Advance electronic control unit permits operation time adjustment, partial opening, automatic closing, step by step control, stop safety, reverse safety etc.



- Telescopic Sliding Gates are ideal for sites where maximum opening is required and back run is restricted due to structural conditions.
- The gates are fabricated with two or three leaves which makes it possible to achieve maximum clear opening as compared to Conventional Sliding Gate.
- These gates have extremely robust construction with high level of security making them suitable for most applications.
- All basic components of gates, guide brackets, guide rollers, bottom rail, wheels, bearings, limit stop etc are of highest quality standards which provides very good stability.
- Telescopic Sliding Gate has a standard static drive system and an integral chain sprocket assembly that drives the multiple gate leaves simultaneously at same or different speeds.





- The advantage of using Cantilever Sliding Gates is that they have no ground track or foundation in the roadway hence ideal for road surfaces which are uneven or sloping and vehicle does not experience any bumps.
- Gate is not prone to getting blocked by leaves or dirt hence reduced maintenance.
- Smooth, quiet operation due to no supports at the bottom of the gate.
- The gate is fabricated of sturdy steel and works on a simple principle of 2 heavy duty carriages grouted and a monolithic galvanized track that rolls on the carriages, thus obviating the need for a bottom track.
- The Cantilever Sliding Gate is approx 1/3 longer than a Conventional Sliding Gate, the extra length acts as a counterbalance so that the gate is free to slide back and forth.
- Wheels are self lubricated thus low maintenance.



- Eliminate the need to designate a sliding storage zone, a common feature of Conventional Sliding Gates.
- Gates made from high strength Aluminium alloy & mounted with sparkling silver, stainless steel, plastic plates.
- Patented wind-resistant device enable the electric gate to operate normally in strong wind.
- Any drift sand or stone accumulated due to wind and rain will not affect the normal operation of gates.
- Equipped with anti-crash intelligent infrared double detectors enable gates to automatically retract when a person or object is detected ensuring safety.
- Patented electronic soft starter & mechanical buffer device ensures smooth operation during the start and stop of the gates.





- A complete range of automatic systems for sliding pedestrian doors (single leaf, double leaf) are available.
- Maximum clear opening available upto 5000 mm. Models suitable for door weight ranging from 40 kg upto 350 kg each leaf.
- Intelligent microprocessor based control unit provides wide range of functions like manual / automatic, one / two ways, total / partial opening, night mode.
- Traction by means of a synthetic electro conducting toothed belt ensures silent operation and built-in anti-crush device with encoder.
- Self diagnosis. Wide range of infrared and microwave sensors and various other accessories like electromechanical lock, pneumatic elbow push buttons, floor mats.



- Wide range of models to suit various applications like car parking sites, condominiums, toll collection & industrial entrance.
- Available for boom length upto 8 m. Opening upto 16 m can be covered with two barriers operating as master/slave.
- Highly compact in size has extremely silent operation.
- Sturdy steel structure with scratch-proof coating resistant to harsh weather conditions.
- Integration possible with wide range of accessories and all kinds of access control systems.
- Extremely reliable and maintenance free. Tested and distributed all over the world.
- Manual release in case of power failure.





Indian Green Building Council
M E M B E R



ISO 9001 : 2015, ISO 14001 : 2015
BS OHSAS 18001 : 2007

Gandhi Automations operates a policy of continuous development and reserves the right to make appropriate technical modifications / replacements without prior notice.

GANDHI

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