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Malrox®

Extraordinary Spacing Solutions
For Extraordinary Spaces



**Delivering Customized Spacing Solutions
Driven By Innovation, Quality & Commitment**

Space is a limited resource, so it is always our
topmost priority to utilize it to the maximum.

I CONTENTS

Introduction

Page 01-02



Why Malrox

Page 03-04



Enhanced Versatility

Page 05



Limitless Design

Page 06



Sound Insulation

Page 07



Advanced Technology

Page 08



Variety Of Elements

Page 09-10



Parking, Suspension & Track Systems

Page 11-14



Construction Details

Page 15-16



Surface Finishing Options

Page 17-18



Acoustic Partitions

Page 19-34



Light Weight Partitions

Page 35-40



Finishing Materials

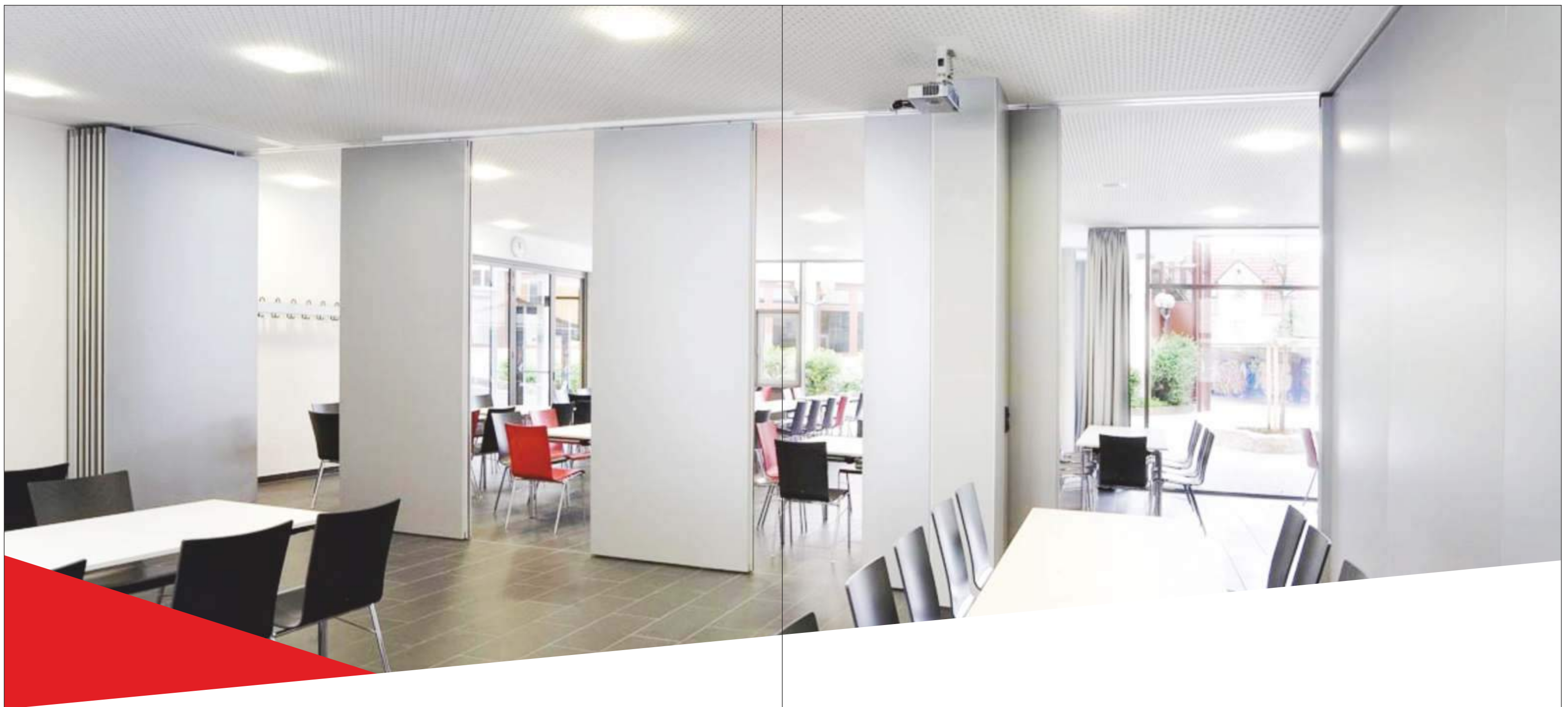
Page 41-42



Performance Method

Page 43-44





A SMART SOLUTION FOR EVERY SPACE

Space is a limited resource, so it is always our top most priority to utilize it to the maximum, But finding and implementing just one fixed solution is definitely not enough to fulfill our constantly changing needs and requirements.

While temporary partitions do provide a makeshift solution, they undoubtedly consume a lot of installation and modification efforts, Neither are they easily movable nor do they look in-sync with your existing decor.

Malrox in this situation brings you a perfect spacing solution. Our exceptional range of world-class Operable Partition Systems with ultimate flexibility and unmatched customization features ensures you limitless partitioning possibilities that meet your every requirement.

The innovative make and design of our Operable Partitions enable you to effortlessly divide your room into smaller or bigger parts depending upon your requirements. The versatility of our system enables it to be installed in a small conference room or even a huge exhibition area.

Our wide variety of partitioning systems also include the special Acoustic Range that comes with amazing sound insulation features that prevent the sound from passing through the partitions, allowing you to hold different events in adjacent areas without any disturbance.

Apart from the solid acoustic and non-acoustic ranges, our exclusive framed and seamless glass partitions are also the most sought after systems by corporate houses.

Such innovative features and attractive looks allow you to create a suitable ambience for every occasion without compromising on the aesthetics of your space.

Thanks to the extreme versatility of Malrox' Operable Partitioning Systems, the architects can effectively, efficiently and effortlessly realize their imagination and create a space that truly reflects their vision, whether it's for a Hotel, Office, School, Exhibition Hall, Convention Centre.



I WHY MALROX

We at Malrox, believe in delivering immensely customized end-to-end solutions that assures you complete peace of mind, surpasses your expectations and guarantees complete satisfaction.

When it comes to deliverables, we are committed to delivering exactly what we promise without compromising on quality and timelines and this approach has helped us win the trust of our each and every client. From a number of differentiating factors that give Malrox an edge over others, **here are a few important factors that make a difference:**

- ▶ While the other solution providers offer variable motion Trolleys wherein the top bottom load distribution not possible, Malrox delivers double rotational clockwise / anticlockwise trolleys that enable even distribution of the load and easier handling of panels.
- ▶ In comparison to the commonly used 16 mm semi-finished MDF board, Malrox gives you 12 + 6 mm fully-finished MDF board.
- ▶ The final finishing acts as the deciding factor for the overall look and feel of the entire setup, we at Malrox pay immense attention to even the minutest details to deliver a solution that reflects ultimate perfection.
- ▶ Normally the coloring of tracks and M/F section profiles in order to match with the decor of the space is charged extra, but Malrox offers it without any extra cost.



- ▶ Whereas other solution providers do not undertake last minute modifications, Malrox ensures that as per site requirements, all the necessary changes and modifications are done in order to achieve perfection and client's satisfaction.
- ▶ Keeping the client's comfort in mind and to avoid dependency on the third party installers, Malrox believes in single-handedly accomplishing the entire project, right from manufacturing and supply to delivery and installation.
- ▶ While other providers take additional charges to obtain a Third Party Certificate, Malrox offers Tuv Nord or Sud certification for the mode of construction without any extra charges.
- ▶ Compared to solutions delivered by the traders and their third party service providers, Malrox offers you the best and a complete solution as we ourselves are the manufacturers, installers, exporters and service providers.

ENHANCED VERSATILITY FOR COMPLEX STRUCTURES



At Malrox, our prime focus is to design and manufacture the most versatile partitioning systems with the highest degree of flexibility that can effortlessly integrate with the most complex architectural designs and deliver the best functionality for a long time.

In order to ensure ultimate perfection, all our systems are exclusively created according to the structural demands and functional requirements. The enhanced flexibility of our systems ensures optimum performance every day even in spaces having angled walls, curved walls and sloping ceilings.

Along with the innumerable technical flexibilities, our commitment towards delivering completely customized solution enables us to offer you the freedom to choose the Shape, Size, Materials, Colors, Finishing, Corner Elements and Openings for your partitions.

Having your comfort and convenience as our top priority, we have exclusively developed Semi-Automatic Systems that can be operated with just a push of a button, thus ensuring complete peace of mind.



LIMITLESS DESIGN POSSIBILITIES FOR BESPOKE AESTHETICS

Every space is unique. Its structure, characteristics and appearance depend on its usage. Each and every aspect of the space is required to be in-sync with its functionality and aesthetics to create a unified effect. This creates the need for the partitions to also have a similar look and feel.

Understanding this, Malrox offers you countless design and color options for you to create partitions that exactly match your décor style and scheme. From the finest quality manufacturing materials like Wood and Glass to the most exquisite finishing elements like Fabric Coverings and Laminated Surfaces, you can choose your desired materials and finishes that match your requirements and meets your needs.

Combining the world-class quality materials and detailed finishing, Malrox guarantees you a final look and feel that surpasses your expectations.





SETTING BENCHMARKS IN SOUND INSULATION

The role of Operable Partitioning System is not only limited to visually dividing a large area into smaller sections. They are also required to eliminate the passage of acoustic signals from one area to the other and prevent the users of other space from getting disturbed. This kind of partitioning is especially required in spaces that host multiple events next to each other.

Our exceptionally developed acoustic range is thoroughly tested and certified by Globally Recognized Testing & Accrediting Authorities.

TECHNOLOGICALLY ADVANCED & EXTREMELY ORGANIZED

Constantly changing demands and requirements of the industries motivates us to continuously develop new technologies and strategies to meet the ever-increasing expectations of our clients and deliver solutions that never fail to satisfy them.

Committed to always delivering benchmarking solutions coupled with unmatched performance in all spaces besides being visually impressive, we put together an equal amount of our expertise, experience and technological assets in every project.

AN EXTENSIVE VARIETY OF ELEMENTS FOR EVERY NEED

Keeping in mind your smallest need and requirement, we offer you a wide range of utility elements in the partitions that enable you to create a space that perfectly supports all your applications.

Even if your space requires angled, curved or sloping partitions, Malrox has a perfect solution for every space.

Full Wall Element



Basic partition

Telescopic Element



Usually every wall is equipped with one telescopic element. It is fitted with an external moving sleeve. This is the first element to be opened when opening the wall and the last element to be closed when closing the wall.

Glass Element



All elements can be supplied with a vision panel if required.

Corner Element or Special Element



This element can be used with optional corner corrections in order to facilitate the connection to the adjacent operable wall.

Pass Door Element (Single Hinged)



This fully movable pass door is constructed using the highest quality welded steel frame. This solid construction makes any type of floor track or locking mechanism redundant. The door is equipped with a brush seal at the bottom.

Pass Door Element (Double Hinged)



This fully movable pass door is constructed with the highest quality of welded steel frame. This solid construction makes any type of floor track or locking mechanism redundant. The doors are equipped with a brush seal at the bottom.



Element Connection

All models are equipped with:

- ▶ Edge protection profiles.
- ▶ When the wall is closed, there is 6 mm of visible aluminium profiles.
- ▶ Grey powder coated aluminium profiles
- ▶ Magnetic strips with a force of 70 N/m²
- ▶ Double internal rubber sealing strips



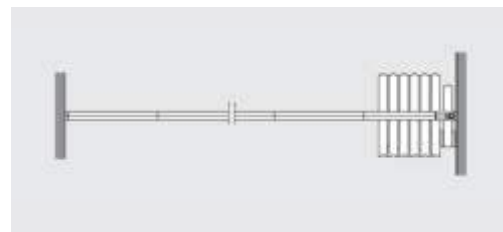
PARKING, SUSPENSION & TRACK SYSTEMS

Parking

Ensuring optimum utilization of the space, all our partitioning systems are specially designed to occupy the least amount of space when parked.

The compact design of the elements enables them to be stacked in the smallest space. The in-line stacking is the standard format that we always recommend and use. Its operability is the most convenient as it slides back to its position with minimum efforts, noise and without any hassle. However, we do develop and deliver individual solutions for special requirements.

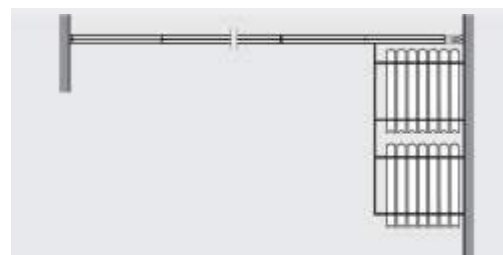
Here are a few of the most preferred parking patterns. However with a variety of track construction designs, one can achieve practically all possible parking patterns.



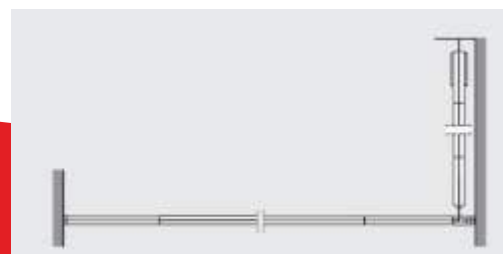
Parking Solution - A
- One-Point Suspension
- 90 Degree To Partition Axis



Parking Solution - B
- Two-Point Suspension
- 90 Degree To Partition Axis



Parking Solution - C
- Two-point suspension
- 90 Degree To Partition Axis
- In Several Stacks



Parking Solution - D
- Two-point suspension
- 90 Degree To Partition Axis
- Parallel to adjoining wall



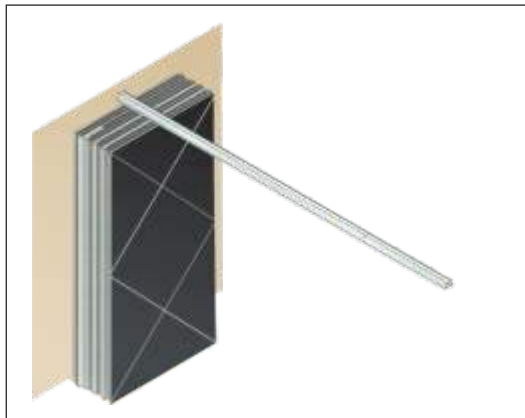
Suspension Systems

Tracks can be installed with or without a sound baffle between the ceiling and the building structure as required. One can achieve the desired sound insulation by using the required type of soundproofing materials such as compressed mineral wool slab.

Malrox offers a variety of suspension systems that are specifically developed to complement various types of installation and application.

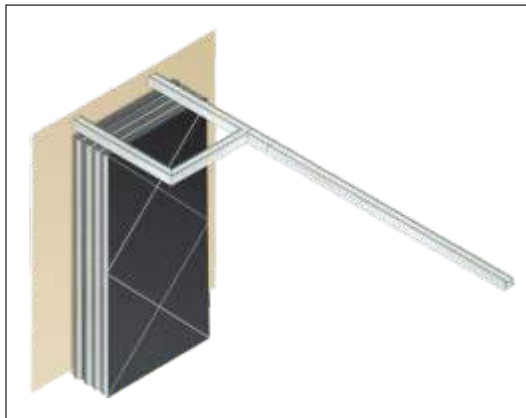
Here are a few examples

- Bracket Suspension System: This system ensures precise track height and comprises;
- Solid 5/8: 3/4 ms sq. rods with threaded bolt.
- Galvanized MS steel assembly plates
- Adjustable threaded steel connection rods at the base
- Soundproofing materials, dependent on the desired sound insulation



Single Suspension Point:

Each element is suspended by one centrally fixed, bearing roller. This facilitates the elements to be easily moved to their respective parking position without the use of an auxiliary track.



Double Suspension Point:

Under this system, each element is suspended by two bearing rollers. This setup enables the element to be moved in every required direction to its respective parking position using an auxiliary track.



Track System

The tracks are the soul of the entire operable partitioning system. In case of even the smallest error in the technical specification or the minutest design mistake, the complete partitioning system can fail. Therefore, we at Malrox take great care while designing, manufacturing and installing the track systems.

Our prime focus while handling the track system is to ensure that the track and its running gear are constructed in a well-balanced way while maintaining utmost precision so that the partitions can freely move along the tracks using minimum physical strength.

Combining our years of experience and in-depth research, we have successfully developed a number of track systems that are considered to be one of the most silent and smooth track systems in the entire industry.

Omnidirectional Track



Mechanically coded junction technology with curves for easy operation.

Track system for right-angled configurations with cross-roller carriers for element weights up to 500 kg. Support rollers in the junctions guarantee easy operation when sliding the elements across intersections.

Linear Motion Track



- All tracks are aluminium with precision bearing rollers
- Standard grey powder-coating color is RAL 9010
- More color options can be given on request





DELIVERING THE PERFECT PARTITIONING SOLUTION FOR SPECIFIC REQUIREMENTS

Element Details & Specifications

	Telescopic Element	Standard Element
Dimensions		
1) Element Thickness in mm	75-120 / 105-150 / 125-170	75 / 105 / 125
2) Manual Partitioning Systems (M)		
• Clear Height* in mm (min/max)	2000 / 9000	2000 / 9000
• Element Width* in mm (min/max)	600 / 1200	600 / 1200
3) Semi-Automatic (HA)		
• Clear Height* in mm (min/max)	2000 / 6000	2000 / 6000
• Element Width* in mm (min/max)	750 / 1200	750 / 1200
Designs & Construction		
1) Framed Construction	Aluminium-steel	Aluminium-steel
2) Panel Fixing	Freely oscillating	Freely oscillating
3) Element Interconnection / Design Of The Vertical Profiles	Aluminium profile with integrated magnetic strip and sealing lips	Aluminium profile with integrated magnetic strip and sealing lips
Finish and Trim		
1) Panel Design	With visible surface edging L/R	With visible surface edging L/R
2) Manual Model (M)	Manual operation of the elements and actuation of the sealing strips	Manual operation of the elements and actuation of the sealing strips
3) Semi-Automatic Model (HA)	Manual operation of the element, electronically controlled extension and retraction of the sealing strips	Manual operation of the element, electronically controlled extension and retraction of the sealing strips
4) Passdoors	Single-leaf following technical clearance from the factory	Single-leaf or double-leaf
5) Window Element (Vision element)	-	Yes
6) Telescopic Element Design	Sliding portion external	
Technology		
Weighted sound reduction value Rw determined per EN 20140 in Rw (dB)	45 dB 51 dB 55 dB 60 dB	45 dB 51 dB 55 dB 60 dB
Positive and frictional locking of the vertical element connections	Concave-convex profile form 40 N/m	Concave-convex profile form 40 N/m

*Note regarding Malrox dimensions:
Larger widths possible on application. Provisional details regarding the element heights / element widths indicated can only be confirmed following consultation with Design Department.

ENDLESS OPTIONS FOR SURFACE FINISHING

Brilliant space partitioning is an extremely vital element of contemporary interior design. It can easily make or break the entire visual rhythm. Along with focusing on the quality of the partitioning system, we also pay immense attention towards its overall appearance and the visual impact that it needs to create.

In order to ensure that you get the desired look and feel, we offer you an endless variety of materials like Laminates with various finishes, Fabric Coverings, Laquered Glass and EcoPanel Surface.

At Malrox, you never have to worry about choices, quality or service. We take care of your minutest requirement and deliver solutions that undoubtedly exceed your expectations.



SOLID OPERABLE SLIDING FOLDING STACKING PARTITIONS

Solid (Operable) Partitions are the ideal solution for dynamic interior space division in any building, without affecting acoustic insulation. The wall is perfectly aligned and sealed. It can be produced in various models to suit the most varied architectural requirements. It offers the effective division of space with the utmost flexibility.

It comprises of panels which can be moved easily one at a time and interlock to form a partition wall, with a sound seal present at the top and bottom of partition. This arrangement allows you to set up even the largest of the installations with the minimum efforts.

Operable Partitions can be moved and kept in the position away from the actual opening. In location, the panels offer all the properties and appearance of a permanent partition wall with improved acoustics. It adds space flexibility and sound reduction effect to office and retail spaces.

They are acoustically treated and aesthetically very elegant for the interior. All its panels are made in such a way that they can be fitted with additional sound insulation materials as per the requirements. The panels are available in three thicknesses – 75, 105 & 125mm and 38/45/51/ 55/60 Db reductions. The vertical and double skin horizontal seals also guarantee maximum sound insulation.

The Operable Partitions are supported by top tracks and require no floor tracks. The tracks are made from anodised aluminium. The frames of Operable Partition offer extraordinary strength and maximum sound insulation and are made from torsionally stiff aluminium hollow chamber profiles and sectional steel tubing.

Malrox Operable Partitions are applied in Star Hotels, Meeting Rooms, Ball Rooms, Multi-Function Halls, Convention Centers, Schools, Colleges, Training Rooms, Residences, Banquet Hall and other facilities.

Quality, reliability, service and competitive prices have won us an excellent reputation in the market from architects, engineers, contractors and interior designers, project management consultants all over India.

Malrox provides the best and comfortable arrangement of acoustic sliding panels suspended from ceiling track to subdivide wide open areas which is flexible for functions like weddings, multi conferencing, and meetings.

Malrox is India's TOP manufacturer of varied Operable Partition Systems, and provide unrivalled experience in the design and manufacture of space utilization products.



AN EXTENSIVE VARIETY OF ELEMENTS FOR EVERY NEED

SOLID OPERABLE SLIDING
FOLDING STACKING PARTITIONS

Keeping in mind your smallest need and requirement, we offer you a wide range of utility elements in the partitions that enable you to create a space that perfectly supports all your applications.

Even if your space requires angled, curved or sloping partitions, Malrox has a perfect solution for every space.

Full Wall Element



Basic partition

Telescopic Element



Usually every wall is equipped with one telescopic element. It is fitted with an external moving sleeve. This is the first element to be opened when opening the wall and the last element to be closed when closing the wall.

Glass Element



All elements can be supplied with a vision panel if required.

Corner Element or Special Element



This element can be used with optional corner corrections in order to facilitate the connection to the adjacent operable wall.

Pass Door Element (Single Hinged)



This fully movable pass door is constructed using the highest quality welded steel frame. This solid construction makes any type of floor track or locking mechanism redundant. The door is equipped with a brush seal at the bottom.

Pass Door Element (Double Hinged)



This fully movable pass door is constructed with the highest quality of welded steel frame. This solid construction makes any type of floor track or locking mechanism redundant. The doors are equipped with a brush seal at the bottom.



Element Connection

All models are equipped with:

- ▶ Edge protection profiles.
- ▶ When the wall is closed, there is 6 mm of visible aluminium profiles.
- ▶ Grey powder coated aluminium profiles
- ▶ Magnetic strips with a force of 70 N/m2
- ▶ Double internal rubber sealing strips



MECHANISM

SOLID OPERABLE SLIDING FOLDING STACKING PARTITIONS

Keeping in mind your smallest need and requirement, we offer you a wide range of utility elements in the partitions that enable you to create a space that perfectly supports all your applications. Even if your space requires angled, curved or sloping partitions, Malrox has a perfect solution for every space.

1 Horizontal Seals

The seals that we manufacture are constructed using the double skin principle. This type of construction ensures maximum sound insulation as a spindle mechanism presses the extendable spring-loaded double seals against the floor and ceiling track. This unique technique offsets all flooring irregularities using its spring-loaded double-chamber seals. This mechanism also prevents any forced entry by restricting the elements from moving.

2 Corner Seals

Our corner seals are exclusively designed to enhance the stability of the structure while delivering maximum sound insulation.

3 Vertical Seals

In the vertical sealing technique that we use, the sealing strips are extended to some distance into the partitions to ensure positive interlock and guarantee maximum sound insulation.

4 Magnetic Strip

We use extremely powerful magnetic strips to hold the partition panels in the center. Along with maintaining the positive interlocking of the panels it also facilitates enhanced sound insulation.



5 Cover Boards

The MDF boards are used to maintain maximum sound insulation while ensuring minimum system weight. This free fitting enables of finishing surfaces enables the cover board to be replaced without removing the partitions. In order to give them a uniform look and feel, they can be colored, coated or covered with any conventional decor material.

6 Sound Insulation Material

Understanding the need for customization, all the partitioning panels are made in a way that they can be fitted with additional sound insulation materials as per the requirements.

7 Operating Handle

The manual partitioning systems come with crank operated sealing strips.

8 Frames

In order to offer extraordinary strength and maximum sound insulation, we use frames that are made from torsionally stiff aluminium hollow-chamber profiles and sectional steel tubing. Our special manufacturing technique along with the panel mounting in acoustically free suspension prevents the frame from getting deformed by the transverse forces.

9 Roller Assembly

Our exclusive dampening track roller assemblies not only protect the element rail and carrier, but also prevent the transmission of impact forces and operating noise.



Element Details & Specifications

SOLID OPERABLE SLIDING
FOLDING STACKING PARTITIONS

	Telescopic Element	Standard Element
Dimensions		
1) Element Thickness in mm	75/120-105/150-125/150	75 / 105 / 125
2) Manual Partitioning Systems (M)		
• Clear Height* in mm (min/max)	2000 / 9000	2000 / 9000
• Element Width* in mm (min/max)	600 / 1200	600 / 1200
Designs & Construction		
1) Framed Construction	Aluminium-steel	Aluminium-steel
2) Panel Fixzing	Freely oscillating	Freely oscillating
3) Element Interconnection / Design Of The Vertical Profiles	Aluminium profile with integrated magnetic strip and sealing lips	Aluminium profile with integrated magnetic strip and sealing lips
Finish and Trim		
1) Panel Design	With visible surface edging L/R	With visible surface edging L/R
2) Manual Model (M)	Manual operation of the elements and actuation of the sealing strips	Manual operation of the elements and actuation of the sealing strips
3) Passdoors	Single-leaf following technical clearance from the factory	Single-leaf or double-leaf
4) Window Element (Vision element)	-	Yes
5) Telescopic Element Design	Sliding portion external	
Technology		
Weighted sound reduction value Rw determined per EN 20140 in Rw (dB)	45 dB	45 dB
	51 dB	51 dB
	55 dB	55 dB
	60 dB	60 dB
Positive and frictional locking of the vertical element connections	Concave-convex profile form 40 N/m	Concave-convex profile form 40 N/m

*Note regarding Malrox dimensions:
Larger widths possible on application. Provisional details regarding the element heights / element widths indicated can only be confirmed following consultation with Design Department.



SEMI AUTOMATIC OPERABLE PARTITIONS

Semi Automatic Partitions are designed to satisfy the most varied design requirements and meet high-performance standards. They guarantee a high level of acoustic insulation and comfort. Its exceptional soundproofing property satisfies all the requirements that arise in application like requiring flexible room division, sophisticated surface finishes and acoustic efficiency. They are composed of independent modular elements that slide silently, low-friction trolley on ceiling tracks made of extruded aluminium, with no need for a floor guide.

This is the ideal solution for separating spaces physically and acoustically while guaranteeing maximum flexibility and speed, as well as adding great aesthetic appeal to conference halls, meeting rooms, offices, schools, gymnasium and spaces for events.

Semi Automatic Partitions offer a user-friendly solution that combines operating convenience with excellent cost efficiency and enables spaces to adapt quickly and effortlessly as required. Such systems are regarded as essential for modern conference facilities.

FEATURES OF SEMI AUTOMATIC OPERABLE PARTITIONS

OPERATING CONVENIENCE

Semi Automatic Partitions offers operating convenience that eliminates the need for manual mechanism of hand-operated cranks. With the facility to connect the connector to the end face which creates power feed connections, the user only has to operate the central control units. The sealing strips and telescopic elements extend and retract control under electronic control. The individual elements are separated by means of an easily actuated toggle lever in the vertical profile, enabling them to be pushed along in an effortless sliding movement.

OPTIMUM SOUND INSULATION

As soon as the partition gets closed, all the sealing strips are automatically extended in accordance with the specified contact pressure. This guarantees optimum sound insulation as well as enhancing the stability of the system.

QUICK AND EASY TO INSTALL

The installation of Semi Automatic Partition is effortless. It is supplied with the ready for connection to the power supply circuit (24 V/DC). In the event of power failure, an emergency operating mechanism is also available so that the sealing strips can be manually actuated.

OPTIMUM SPACE UTILIZATION

The Semi Automatic Partition offers flexibility and variability of the manual model. It requires no floor guides, so they are no limitations to the layout configuration and parking arrangement that can be implemented. Such partition can also be equipped with integrated glazed and passdoor elements.

FLEXIBILITY ON THE VISUAL FRONT

The cover panelling of the system can be easily replaced in the event of room redesigning or one cladding surface is damaged, as it is hung in acoustic suspension and removal of each basic element is necessary.



MECHANISM

SEMI AUTOMATIC
OPERABLE PARTITIONS

- 1 Horizontal Seals
- 2 Corner seals
- 3 Vertical convex / concave seals with integrated magnetic strip
- 4 Cover panel attachment acoustic-free suspensio
- 5 Aluminium/steel frame
- 6 Soundproofing Material
- 7 Power feed contacts
- 8 Control Unit
- 9 24V motor for powering the actuating mechanism
- 10 Toggle lever (for easy set and sliding of the element)
- 11 Emergency crank for manual operation



ELEMENT DETAILS & SPECIFICATIONS

SEMI AUTOMATIC
OPERABLE PARTITIONS

PARTITION TYPE	Telescopic Element	Standard Element
Dimensions		
1) Element Thickness in mm	105 / 150	105
2) Clear passage height“ (min./max.) mm	2000 / 6,000	
3) Element width* (min./max.)	600 / 1220	
Construction		
1) Framed Construction	Aluminum / Steel	
2) Panel attachment	Acoustic free suspension (Cover panels readily replaceable)	
3) Element Connections / Vertical Profile Design	Aluminum profile with magnetic strip covering and sealing lips	
Technical Specifications		
1) Sound attenuation determined per DIN EN 20 140 in Rw [dB1	48 to 57 (type 100) 58/60 (type 120)	44 to 55 dB
2) Positive and non-positive locking of the vertical element connections	Flexible convex/concave sealing profiles with high engagement depth for full-volume positive and friction locking	
3) U-Val ue per DIN with max. sound insulation package (heat transfer coefficient)	0.644 / 0.380	0.664
4) Contact pressure of the horizontal sealing strips per element in Newton	up to 1500	
5) Track rail type	Linear / Omnidirectional	
Equipment		
Cover panel design	With visible surface edging (L/R)	
	With rugged steel surface for Rw up to 58 dB	-
Semi-Automatic operating mode	Elements moved into position manually supported by electronically controlled extension and retraction of the sealing strips and telescopic elements	
Element types	Full wall element, telescopic element, corner element, angled element, single and double passdoor, fixed full-height passdoor, glazed elements, passdoor with window, curved element, special elements	
Telescopic element design	Sliding portion external	

Malrox Dimensions:
Larger Widths / Heights Are Possible On Application. Provisional Data Indicated Regarding Element Heights / widths
Subject To Confirmation By Malrox Design Department.



HIGH PROFILE : HIGH ACOUSTIC GLASS SLIDING FOLDING PARTITIONS.

The rich and beauty of Glass Sliding Folding Partitions brings not only natural light but added elegance into your space. Our Glass Sliding Folding Partitions is built to last, constructed of double-sealed glass panel and aluminium frames for maximum durability.

The Glass Sliding Folding System are extremely versatile and can be easily modified according to the complex architectural requirements. It gives the ultimate freedom for customisation, the partitions can be easily styled with the required colours and glass finishing getting the desired look and feel and matching with the decor of the space.

Glass Sliding Folding Partition offers strength, versatility, and elegance stemming from a system design on detail and sturdy construction. The tracks of the Glass Sliding Folding Partition can be arranged in a variety of configurations. Its sliding panels can be moved without floor guides or channels, and are easy to adjust, align and operate.

The prime advantage of our glass partitioning system is - No floor channel required, Aluminium top track.



FEATURES

- ▶ Double glazing 4" (95 mm) air space
- ▶ Custom sized acoustic : double glazed panels
- ▶ Double glazed panels : 50 dB reduction
- ▶ Interlocking astragal
- ▶ Individual panel
- ▶ Retractable bottom seals
- ▶ Superior acoustics
- ▶ Laboratory tested STC of 50
- ▶ Allows optional remote-controlled horizontal blinds
- ▶ Ensures a rigid flat wall
- ▶ Enhanced layout flexibility
- ▶ Stacking Options: lateral, remote, or center
- ▶ 8/10 mm tempered glass compliant with ASTM C1048
- ▶ Openable pass door incorporated within the panel for easy access to the partitioned area





LOW PROFILE : ACOUSTIC GLASS SLIDING FOLDING PARTITIONS.

Top hung Low profile glass acoustic sliding folding / stacking Partitions are designed and manufactured for all movable partition situations where basic sound control, long term durability and open views with light transmission are needed.

Minimal frame 95mm x 95mm provides for maximum daylight.
More glass and less frame also means open sightlines and better visibility.

This unique combination makes it perfect for use in schools, hospitals, office buildings, commercial centers – anywhere that groups gather to communicate while being seen — but not heard.

PRODUCT FEATURES

- ▶ No floor channel required
- ▶ Aluminium top track
- ▶ Tough proven hardware
- ▶ Flexible layout designs
- ▶ Interlocking astragels
- ▶ Pivot door possible

PRODUCT SPECIFICATION

- ▶ Max leaf mass: 100kg
- ▶ Max leaf height: 3000mm
- ▶ Max leaf width: 1200mm
- ▶ Leaf thickness: 75 mm



PRODUCT COMPONENTS

- ▶ Aluminium top track
- ▶ Hangers
- ▶ Stacking rig – to suit layout
- ▶ Flush bolt
- ▶ Brush welt
- ▶ Custom sized acoustic : single glazed panels
- ▶ Single glazed panels : 38 dB reduction



PRODUCT COMPONENTS

Malrox movable partitions are supported on tracks from above — no floor tracks to get in the way, no tripping hazards, no interference or limitations on clear floor space and no crevices to collect debris.





LIGHT WEIGHT SOLID SLIDING FOLDING STACKING PARTITIONS

Non Acoustic Partitions provides the ultimate versatility and flexibility allowing for capabilities such as multiple room setups and changes in the work surface. It allows the division of rooms using modules made of a peripheral aluminium frame fitted with a plate. A single wing door can be added on any part of the wall.

The Non Acoustic Partitions are provided with aluminium top track with rectangular or flat sandwich plates for holding the partition panels. Non Acoustic Partitions are designed with special extruded aluminium profiles on both ends with horizontal stiffeners in order to form a rigid and non-deflecting framework.

It is perfect for complex space layouts and can be easily customized with high ceiling and specific decor style. Non Acoustic Partitions are duly fitted with brush seal at the top & bottom level and finally laid on with MDF panels of 12 mm thickness and supplied in a finished condition.

Non Acoustic Partitions offers panels in 75 mm or 100 mm thickness and fitted with floor-mounted dust free stoppers.



FEATURES OF NON ACOUSTIC PARTITIONS

- ▶ Perfect for complex space layouts
- ▶ Can be easily customised for spaces with high ceiling and specific decor style
- ▶ Built using the exclusive extruded aluminium top track with rectangular/flat sandwich plates for holding the partition panels
- ▶ Designed with special extruded aluminium profiles on both ends with stiffeners: horizontal in order to form a rigid and non-deflecting framework
- ▶ Duly fitted with brush seal at the top & bottom level and finally laid on with MDF / HDF : 12mm thick.
- ▶ Thickness of Panels - 75 / 100 mm
- ▶ Each panel is fitted with a floor-mounted dust free stopper.





LIGHT WEIGHT LOW PROFILE GLASS SLIDING FOLDING / STACKING PARTITIONS

Glass Sliding Stacking System is excellence of transparency, elegances and lightness. It brings flexibility and transparency to your design and opens up limitless possibilities and enclosing space only when needed without blocking light.

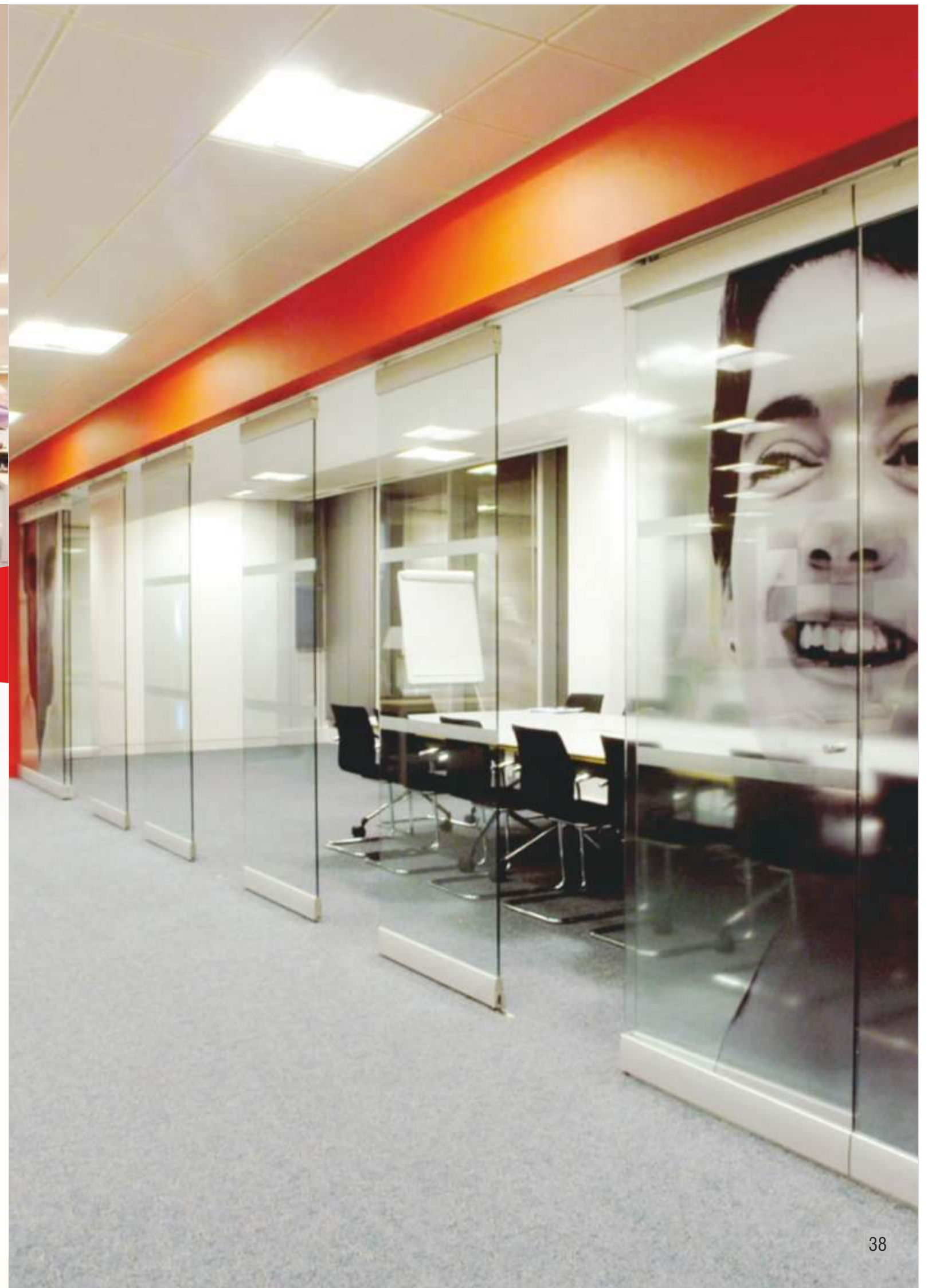
It is composed of a single sheet of tempered glass and an almost invisible frame to create an all-glass effect. It slides silently on ceiling aluminium tracks and is locked by means of a single snap mechanism. While it is open, the panels stack into a parking bay.

Glass Sliding Stacking System includes top hung, frameless glass panels with top and bottom slim rails with glass bolt. It requires no floor tracks. It offers flexible layout designs and is fully customizable in terms of colour and finish.

Glass Sliding Stacking System is versatile and frequently used in offices, restaurants, hotels and educational facilities. The ability to round corners, span unlimited expanses and move completely out of sight when completely open, makes Glass Sliding Stacking System ideal for office and hotel conference rooms and other multi-utility spaces.

SPECIFICATION OF GLASS SLIDING STACKING SYSTEM

- ▶ Max leaf mass: 100 Kg
- ▶ Max leaf height: 2400 mm
- ▶ Max leaf width: 1000 mm
- ▶ Glass: Tempered Glass 8 / 10 / 12 mm





MECHANISM

LIGHT WEIGHT LOW PROFILE GLASS
SLIDING FOLDING / STACKING PARTITIONS

Regardless of the line or model, all systems offer strength, versatility, and elegance stemming from a system design focused on detail and sturdy construction.

- ▶ Track can be arranged in a variety of configurations.
- ▶ Sliding panels can be moved without using floor guides or channels.
- ▶ Bolts and locks secure each sliding panel in position.
- ▶ The panels are easy to adjust, align, and operate.



FINISHING MATERIALS

POLYESTER FIBER ACOUSTIC PANEL



FABRIC



LAMINATE



LACQUERED GLASS



PERFORMANCE METHOD

For The Manufacture And Installation Of The Movable Walls

At Malrox, it is always our priority to complete every project on time with utmost precision and perfection. In order to deliver world-class solutions without making any compromises, we have exclusively developed a process for the manufacturing and installation of the movable walls that enables us to achieve our objective while ensuring client satisfaction.

01 PREPARATION OF NECESSARY DWGS AND DOCUMENTS:

On receipt of the BOQ, layout and elevation drawings from the contractor / client, a shop drawing for the same is prepared and superimposed in the architect's original drawings since some times the measures of the parking bay need to be adjusted depending on the number of panels and the adjoining location of the entry doors.

02 NECESSARY SUBMITTALS:

All drawings are duly submitted with the tech specs and product details with a commercial offer for the same.

03 SITE MEASURES:

On the approval of the tech specs, product details and offer, the technician visits the site for final measures as per site and a final shop drawing as per site measures is submitted now for sign off from the site architect, site project engineer.

04 MOBILISING PRODUCTION:

On due sign off the walls are put into production.

05 PRODUCTION OF PANELS & FRAMES:

All materials are duly cut and welded as per the shop drawings and internal frame works for the walls prepared as also the above ceiling structure, all aluminum sections M/F, top guide are duly power coated, insulation matting – tech sound, rock wool etc. are kept ready before the final assembly of all panels. The MDF panels are duly cut and re-sized as per panel measures, and laminated.

06 TESTING OF PANELS AT PRODUCTION:

A random batch from all production batches is assembled and installed and checked for the correct levels and necessary closures.

07 PACKING OF THE PANELS & FRAMES:

Once all clearances have been received, panels are disassembled and the deco board panels are laminated and readied, and internal metal frameworks fitted with the necessary rubber seals, M/F alu sections attached with the extending sound seals and gears and gaskets checked, the frames get duly packed. The finished panel boards get packed separately and all items get readied for shipping. Shipping docs readied and container readied for dispatch.

08 DISPATCH OF GOODS:

Goods get shipped and the documents duly transferred to our office in the area of the dispatch.

09 CLEARANCE AND HANDLING OF GOODS TILL SITE:

In our scope.

10 INSTALLATION OF THE TOP GUIDE AND PANELS AT SITE:

Installation team mobilizes the necessary shuttering for the installation of the track and site leveling and marking commences. On installation of the top guide the sound baffle gets erected as shown in the shop drawings. After completion of all above ceiling structures the panels get erected and the system duly commissioned at site.

11 HANDING OVER:

Handing over of system with 3 sets of necessary handing over documents duly submitted at site, with the necessary handing over manual etc., at site with the site engineer.

12 OPERATIONAL INSTRUCTIONS:

Handing over with due instructions to the clients operator at the time of the contractor handing over of the site to the Client.



OUR CLIENTELE



OUR CLIENTELE



OUR CLIENTELE



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