



# ntgrate

A blind between glasses

Be inspired | **M/C**

# FORWARD

MAC introduces a path breaking sun protection solution - integrated blinds. Being encapsulated within the double glass unit of the window, this unconventional system offers outstanding thermal insulation & protection from solar radiation by significantly reducing the amount of heat coming through the windows. Due to the transparency of glass, use of normal double glass units is often not enough to guarantee optimised solar protection. Whereas, these blinds help reduce heat transmission significantly & are suitable for all types of window frames.

The movement of the blind, for manual or motorised systems, does not compromise the insulating properties of the double glazing unit. By tilting and raising the slats, the blinds offer the possibility to adjust the internal environmental lighting level & control solar heat gain. The wide product choice and versatility of operation makes this innovative product ideal for external façades, windows & internal partitions.





# ONE SYSTEM, MULTIPLE BENEFITS

## **FOUR IN ONE**

From improving energy efficiency & acoustic properties to providing privacy & thermal protection, the blinds unite all four advantages making it a high performance product.

## **COMPLETE SUN PROTECTION**

Due to the glass transparency, the use of normal double glass units is often not enough to guarantee complete control of solar energy. Whereas these integrated blinds offer light control & solve the problem of heat gain in buildings.

## **MAINTENANCE FREE**

As the blinds are sealed within the unit itself, they remain well protected from dirt, dust & even day to day damage. This also not only makes them maintenance free but also retain their aesthetic appearance

## **HYGIENIC**

As opposed to standard blinds, these encapsulated blinds do not offer any surface for bacteria to rest & spread thereby making them suitable for places where hygiene is of prime importance.

## **LONG TERM BENEFITS**

The myriad of benefits offered by integrated blinds mean that long term benefits are worth the investment. For instance, by blocking excessive solar heat these blinds reduce air conditioning costs. This saving is high & will offset the initial cost.

## **VERSATILE**

Offered in both manual (knob) and motorised options, the blinds are featured in metal venetians, pleated & honeycell with a range of colour options.

## **INTERNAL USE**

In addition to windows and external facades, the sleek fit of the blinds makes them an ideal choice for internal partitions.

## **LONG LIFE**

Manufactured using high quality materials, this technically advanced blinds can withstand regular use over several years.



# APPLICATIONS

## Offices

The integrated blinds installed in commercial spaces offer the most effective protection against the solar rays. These blinds block solar heat significantly hence reducing air conditioning costs. They are proven to reduce cooling costs in hot weather & heating costs in cold weather.



## Public spaces

In high traffic areas like airports, stations, malls where obstruction by contact is very high, the encapsulated blind systems remain free from damage as they do not allow any contact.

## Healthcare facilities

As opposed to standard blinds, these encapsulated blinds do not offer any surface for bacteria to rest & spread thereby ensuring general cleanliness & infection minimization. This makes them suitable for places like ICUs, OTs, laboratories & diagnostic centres. In sterile environments, no other window treatment system can provide such multiple benefits.



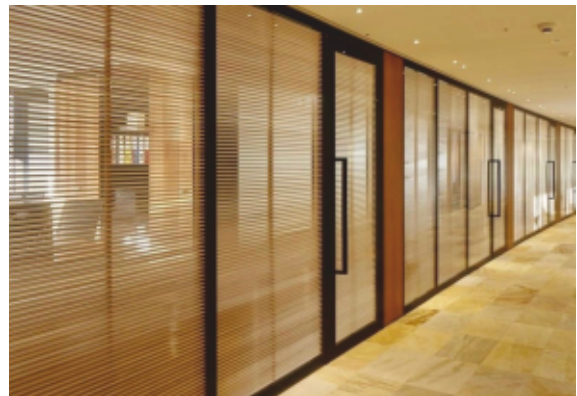
## Hotels

In addition to external facades, the blinds can also be installed in the bathroom shower window of the hotel room. Installed between the panes, the blinds remain protected from water damage.



## Public transport

This high-performance product can also be used in between the panes of trains & luxury coaches.



## Schools

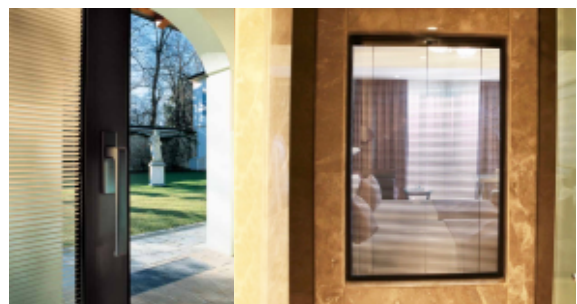
The product provides adjustable light control required for classrooms, study halls, libraries etc. These non-obstructive integrated blinds do not come in contact with children protecting them from day to day damage.

## Residences

Unlike window films, the installation of integrated blinds in the house will not hamper the aesthetic value of your space. Being encapsulated within the window pane they provide sun protection while continuing to give you the flexibility of choosing the window dressing you wish to decorate your space like roman blinds, curtains etc.

## Internal partitions

Integrated blinds can enhance the functionality of your office space by being installed in between internal glass partitions in conference & executive rooms as well as corridors. These fully adjustable blinds can be tilted or raised to achieve varying levels of privacy.





## ONE SYSTEM, TWO OPERATING MODELS

### MANUAL KNOB

A manual system for tilting only that allows for slat adjustment by rotating a knob. Due to the narrow cavity (20mm), the system can be used in almost all types of existing window frames. Rotating the knob opens and closes the slats for optimal control of the light and privacy. The only visible control is the external knob fixed to the window frame, allowing the glass surface to remain completely free and easy to clean. This option is available with venetian blinds only. Manual knob system is preferred in spaces where a variety of people need to operate the blind.



### MOTORISED

A technically excellent motorised system where one or more blinds can be controlled by a remote control. The electric motor quietly raises, lowers and tilts the integrated blinds safely, smoothly and with precision. No other control device is applied on glass or window frame, since the motor is activated by means of wall-mounted push buttons or remote control. The system can be encapsulated within 27mm cavity double glass units. This option is available with all three blind options.



# ONE SYSTEM, THREE BLIND OPTIONS

## VENETIAN BLINDS

Venetian blinds are produced with 16mm wide aluminium slats featuring a choice of colours. Offered in both manual knob & motorised system, these fully adjustable blinds can be tilted or raised to achieve varying levels of privacy and are suitable for all types of window frames.



Model	Motorised	Tilt	Lift	Slat Width	Cavity	Max. Area
27VB	✓	✓	✓	16mm	27mm	6sqm
20VB	-	✓	-	16mm	20mm	6sqm



## PLEATED BLINDS

Integrated blinds are offered with an option of pleated blinds that are manufactured from quality fabric and are available in the motorised system. They offer many practical benefits allowing for a soft diffusion of light, heat reflection or total blackout options.

Model	Motorised	Manual	Tilt	Lift	Pleat Width	Cavity	Max. Area
27PB	✓	-	✓	✓	20mm	27mm	8sqm

## HONEYCELL

Integrated blinds are offered with an option of honeycell blinds that are manufactured from quality fabric and are available in the motorised system. They offer many practical benefits allowing for a soft diffusion of light, heat reflection or total blackout options.



Model	Motorised	Manual	Tilt	Lift	Cell Width	Cavity	Max. Area
27HC	✓	-	✓	✓	20mm	27mm	8sqm

