

A modern, multi-story building with a white facade and large glass windows. The building features rotating shading systems (vertical louvers) that are illuminated from within, creating a warm glow. The building is set against a clear blue sky. In the foreground, there are lush green plants with small orange and pink flowers.

ROTATING SHADING SYSTEMS

2022 Brochure



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ROTATING LOUVERS

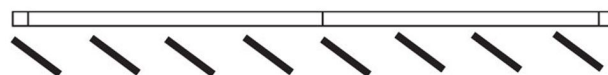


Rotating louvers, is a shading solution suitable for small scale residential applications, used in conjunction with glass doors and windows, providing an elegant and luxurious result. They can be placed in horizontal or vertical position, mounted directly on the building or

fixed inside an aluminium frame to create a shutter. When installed as shutter application, blades open (manually or motorized) to provide natural ventilation while shutter remains closed giving privacy & security to the space.

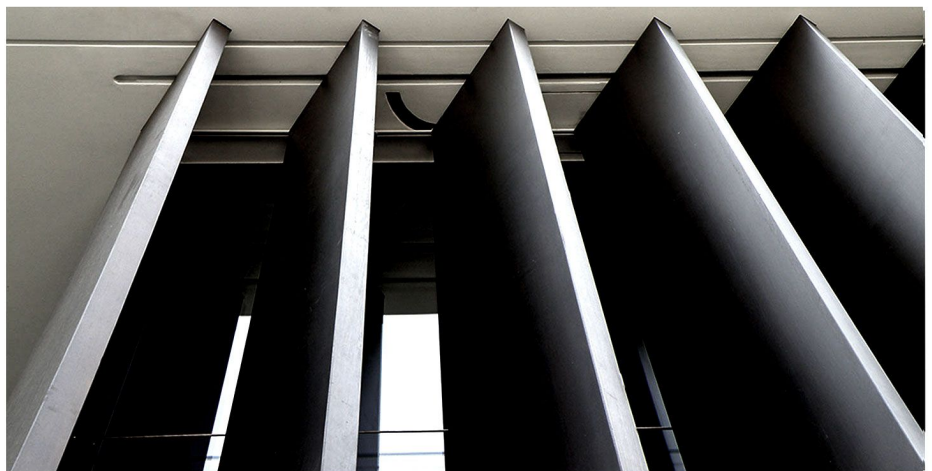
Main advantages

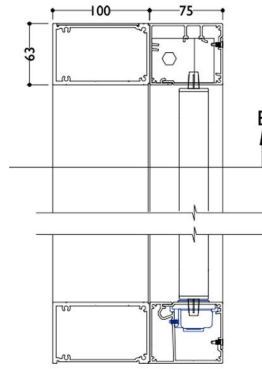
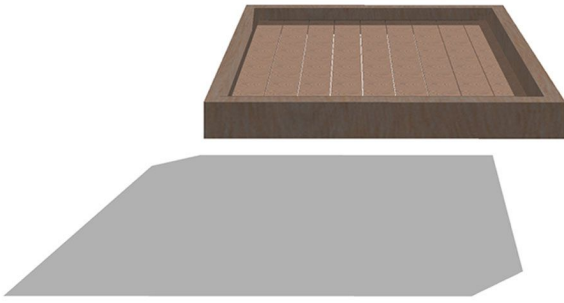
- Innovative protection against sun, weather and sight
- Convenient operation, at the push of a button
- Wide range of timber
- Customised production in any desired size



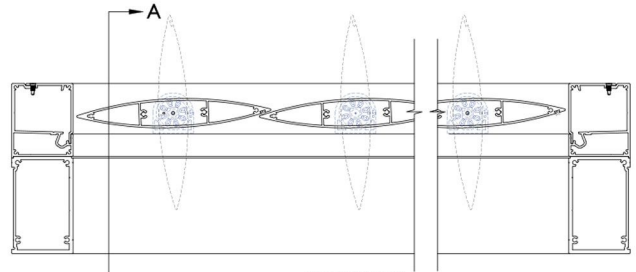
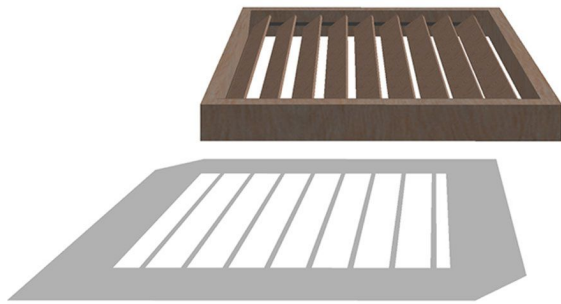
Important function of the rotating shading systems is to allow the entry of natural lighting within the interior space of the building. It is well known that people feel more comfortable when they live or work under natural lighting conditions instead of artificial lighting. Thus, in the case of passive shading system installation with fixed louvers or fins, it is critical to consider the right fixed angle of tie louvers or fins in order to shade the structure's glazing during the summer period as the sun's position is high in

the sky and on the other side to allow the entry of solar radiation during the winter period as the sun's position is low. In the case of active shading system installation with rotating fins that are manually or automatically controlled, the system provides greater flexibility and control allowing the building to react at external physical changes (sun's slope, cloudiness, etc.). In the event of full automatically controllable shading the fins of the system follow the sun's trajectory in order to optimize the amount of natural lighting entering through the building.

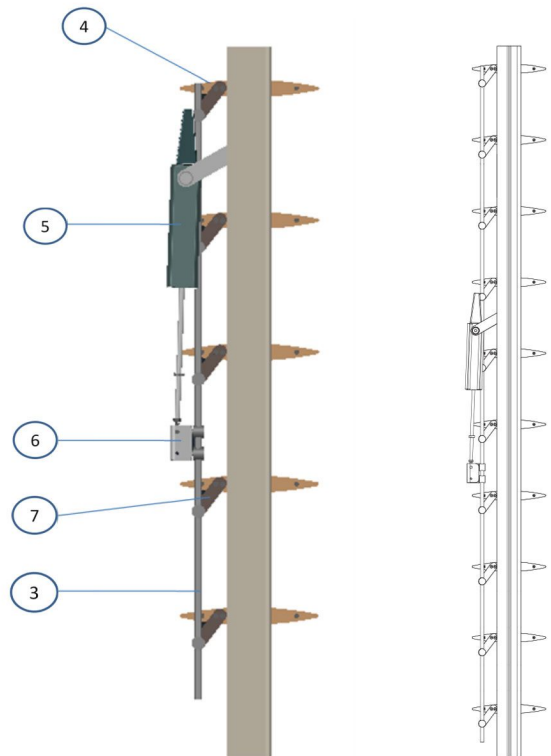
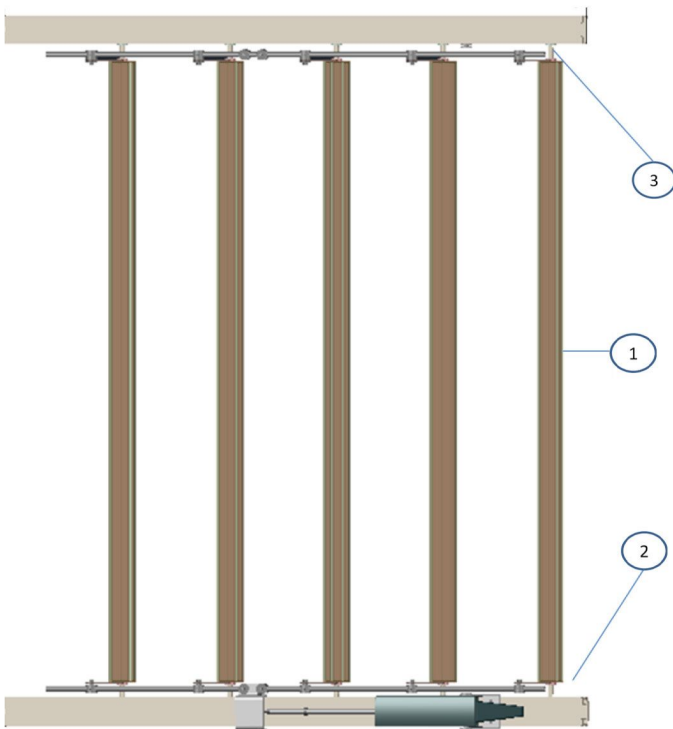




SECTION A

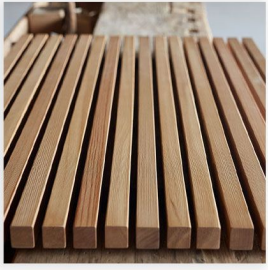


SECTION B



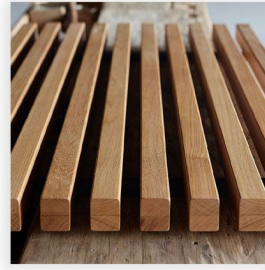
1. Louver
2. Mullion
3. Rod profile
4. Louver end cover plate
5. Actuator
6. Actuator bracket
7. Rod connector

TIMBER SELECTION



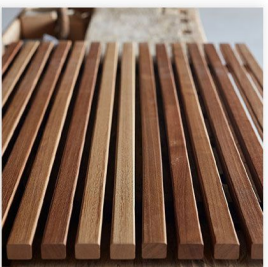
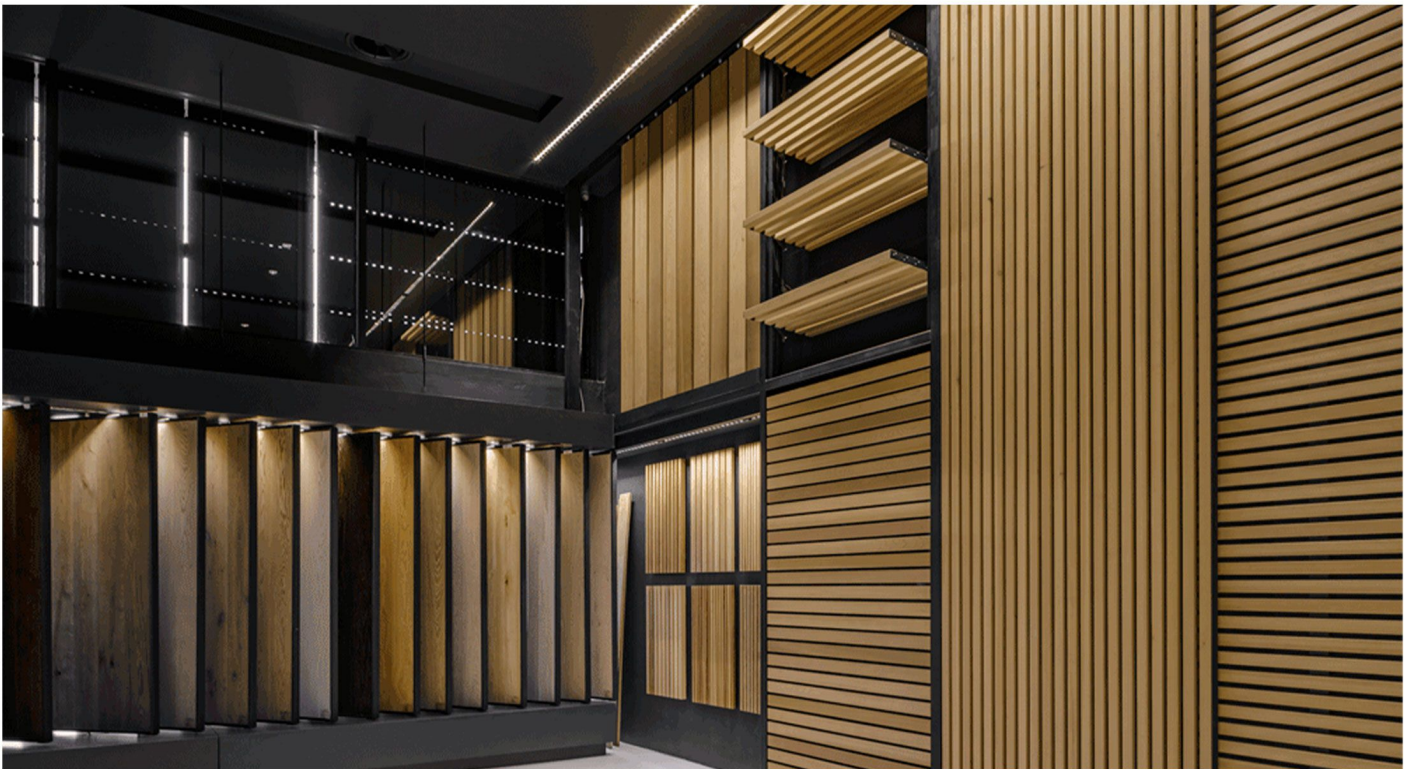
Western Red Cedar

This unique wood is an ideal choice for the construction of shading blinds. Although it is a relatively soft wood, it has very good dimensional stability due to the low density of the wood and the low shrinkage factor. It is one of the few woods that remain stable in the long run.



Teak Burma

Teak has excellent dimensional stability (it will not swell and shrink) and its capacity in natural Teak oil makes it resistant to biological enemies, fungi and wood-eating insects. Its surface is homogeneous, with almost linear “waters”. It is a hard wood, of medium density, with moderate flexural strength, high compressive strength and low impact and tear resistance.



Iroko

It has very good dimensional stability, a characteristic that ensures the duration of the construction over time. The wood retains its shape after construction. Iroko is resistant to static bending and compression, moderate resistance to hardness and impact, while it stains easily. It has increased photosensitivity and changes color quickly when used in outdoor constructions.



Treated Pine

It is a dense wood, with medium to large weight and hardness ranging from medium to large. Its impregnation is necessary for the long-term protection of the wood from fungi and insects, whether it concerns the use of indoor or outdoor space, in contact with the earth, or not. This process contributes to the prolongation of wood's life.



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