



# MechoShade®

The Architect's Choice™

[www.mechoshade.com](http://www.mechoshade.com)



## The Original Sun Screen System

 Manual    Motorized    Computerized

- Manual MechoShade®
- ElectroShade®
- Electronic Control Systems
- Skylight Shades
- Room Darkening + AV
- Automated Shading Integrated with Daylighting Module
- Monumental + Specialty
- Shade Cloth Program
- Accessories / Components

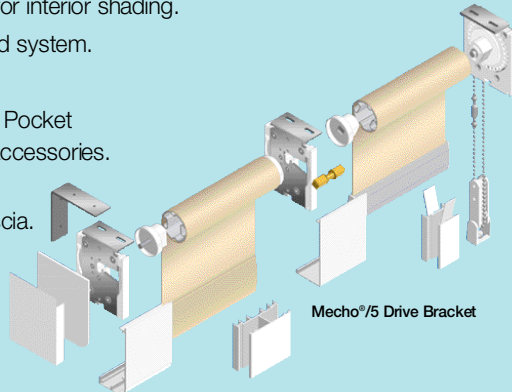
**MechoShade® Systems, Inc.**, is the leading provider of window shading solutions for architects and interior designers. MechoShade manufactures a wide range of window shading systems using visually transparent shade cloths, the AAC SolarTrac™, and its new advanced Daylighting Module that manages and controls excessive daylight/brightness. A brief overview of several of the products and services we provide is listed below. For more in depth information on a specific product, please visit the link listed under that category.



First Hawaiian Bank Tower. Honolulu, HI. Kohn Pederson Fox Associates, Architects. Gensler, Interiors. Dealer: Window World.

## MechoShade® System - Manual

- A manual, chain operated system for interior shading.
- Mecho®/5 is an improved, patented system.
- 25 year/project lifetime warranty\*
- Mecho®/5 is available in Standard, Pocket and Extended bracket sizes with accessories.
- Removable SnapLoc® shade cloth mounting spline and SnapLoc® fascia.
- DoubleShade® brackets for sun screens and room darkening blackout shades.
- Bottom-up shades.



Mecho®/5 Drive Bracket

\* See [www.mechoshade.com](http://www.mechoshade.com) for full details of warranty.

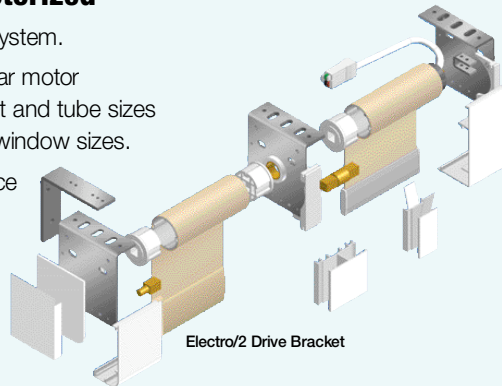
For more information please visit: [www.mechoshade.com/manualshades](http://www.mechoshade.com/manualshades)



Phillips Plastic. Origen Center. Wisconsin James + Snow Architects. Dealer: House of Roland.

## ElectroShade® System - Motorized

- A motorized roller-screen shading system.
- Available in 40mm and 50mm tubular motor systems in a broad range of bracket and tube sizes to accommodate a wide variety of window sizes.
- DoubleShade™ Brackets allow space efficient nesting of 2 rollers for installation of blackout and sun screen fabrics.
- SnapLoc® shade cloth mounting spline and SnapLoc® fascia.



Electro/2 Drive Bracket

For more information please visit: [www.mechoshade.com/motorizedshades](http://www.mechoshade.com/motorizedshades)



Bank Boston. Conference Room. Sao Paulo, Brazil. Dealer: Uniflex.

## Control Systems

MechoShade Control Systems provide an array of low voltage solutions which provide superior functionality of control of ElectroShade systems. Most can integrate with AV and lighting controls, have preset intermediate positioning and have a variety of accessories such as timers, Solar Activated Controllers, and wireless remote control.

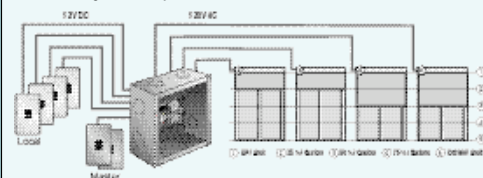
### I•CON™ Addressable Motor Control System

- 100% Digitally Addressable.
- 2-Way communications featuring Echelon Chips and LonWorks™
- Appropriate for building wide systems and for use with AAC SolarTrac™
- 6 Alignment positions including 4 intermediate set points.
- Uniform Mode - Allows shades to stop solely at preset positions for building uniformity.
- Almost unlimited zoning for local, group and master control functions.

For more information please visit: [www.mechoshade.com/controls](http://www.mechoshade.com/controls)

### IQ/MLC™ Hard Wired System

- Integrates with other low voltage lighting and AV systems
- 5 alignment positions including 3 intermediate points
- Local motor group addressing
- Uniform Mode - allows shades to stop solely at preset positions for building uniformity

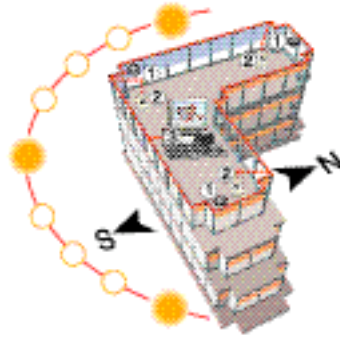


Wireless Control and Wall Switch for Master and Local Control

I•CON Switches Software Managed System

## WindowManagement™ The Prerequisite to Daylighting

MechoShade's AAC SolarTrac™ System, is a software based control system, designed to automatically adjust the position of the shades incrementally on the window to maximize view and daylight while protecting people and work surfaces from direct sun and excessive brightness and glare.



- ① Three solar sensors on the roof determine if it is clear, cloudy or bright-overcast.
- ② Local Switches can override the system, it regains control at 5AM the following day.
- ③ The AAC SolarTrac™ can maintain an unlimited number of zones.

### AAC SolarTrac™

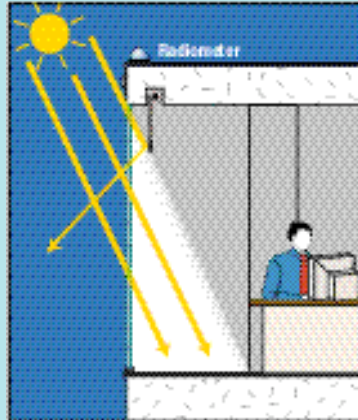
AAC SolarTrac™ can react to local climatic variables such as sunny or cloudy conditions.

The AAC SolarTrac adjusts shades incrementally on the window in accordance with the solar profile angle and BTU load relative to each zone or orientation.

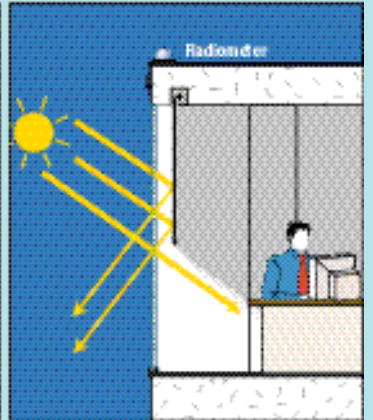
The position of the shades is determined for each zone based on the window geometry, orientation, glazing optical properties, allowable solar penetration, and real-time sky conditions, ie sunny or cloudy. The goal is to provide shading on the window when and where needed, while leaving as much of the window unshaded in order to maximize view and control glare. In other words... total window management.

For more information please visit: [www.mechoshade.com/aac](http://www.mechoshade.com/aac)

Noon Jun. 21, Summer Solstice



Noon Dec. 21, Winter Solstice

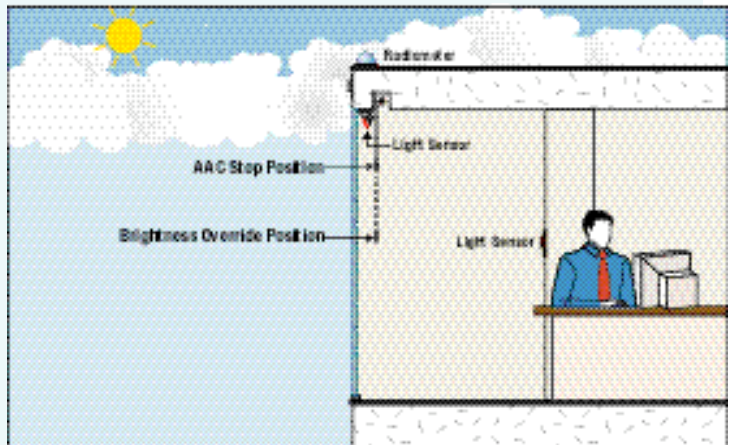


### AAC-Brightness Override Module

The Brightness Override Module is an optional system using internal light sensors that may be mounted to the ceiling or columns, looking out the window, that measure light levels.

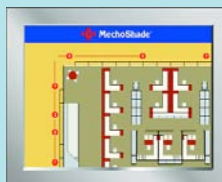
If the brightness on the glass exceeds specified levels, the AAC Brightness Override will lower the shades to the appropriate position to mitigate the excess brightness. This overrides the calculated position of AAC, which may otherwise have been a higher position. Shades can retract to the default positions preset by AAC, from Brightness Override, when the bright condition no longer exists.

For more information please visit: [www.mechoshade.com/aac](http://www.mechoshade.com/aac)



### Touch Screen Window Management

Color touch screens can be incorporated to allow intuitive access to multiple shade zones, providing ease of use to the user. A single touch screen can replace numerous switches, and graphically inform the user which shades they can control. The touch screens run on a RS485 network and interfaces with the AAC SolarTrac, providing 2 way communication with SolarTrac so that the system knows at all times which shades are on manual override.

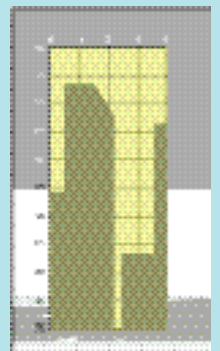


Color Touch Screen

For more information please visit: [www.mechoshade.com/aac](http://www.mechoshade.com/aac)

### Shadow Override.

For projects located in the center city, or otherwise impacted by adjacent buildings, AAC's Shadow Override allows one to raise the shades in any zone that is in shadow. This strategy allows more daylight without direct sun, and maximizes view to the outside for the occupants. Dimmable lighting systems can take advantage of the light and save energy and money by dimming the lights. This option requires a digitized 3D city scape map of the surrounding buildings, to be analyzed by MechoShade, resulting in a database used by AAC to raise the shades.



Shadow Study for 12 Time Building

For more information please visit: [www.mechoshade.com/aac](http://www.mechoshade.com/aac)



## Pockets and Accessories

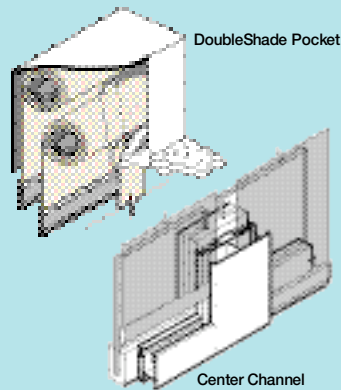
- Custom pocket designs.
- Pockets range from exposed extruded aluminum, pockets with removable closures, pockets with extruded aluminum trim.

[www.mechoshade.com/pockets](http://www.mechoshade.com/pockets)

## Room Darkening and Audio Visuals

- Heavy-duty hardware
- Limitless installation types.
- Side and sill channels for areas such as an A/V or theater requirement for 100% blackout.

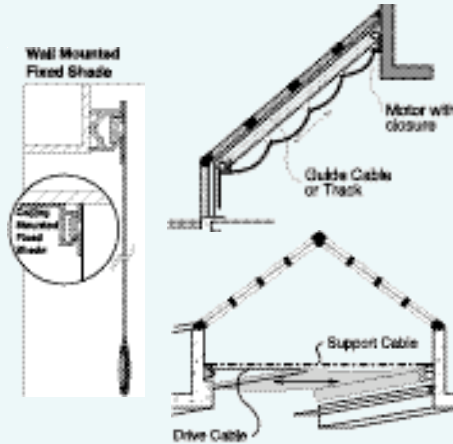
[www.mechoshade.com/roomdarkening](http://www.mechoshade.com/roomdarkening)



GE Capital. Stamford, CT.  
Corporate Planning Group Architects. Dealer: Triple "S"

## SkyLighter™ and Specialty Shades

- Special solutions for shading of monumental, curved, sloped, and horizontal skylights.
- Automatic and manual operations. Flat, soft-fold, top-down, and bottom-up configurations and accessories.
- Fixed shades either in a metal frame or free-hanging.
- Two-layer DualShades® (sun screen & insulating film or sun screen & blackout) with an increased ability to reduce heat gain and reduce heat loss while providing personal comfort.



Apple Computer. Cupertino, CA. HED Architects.

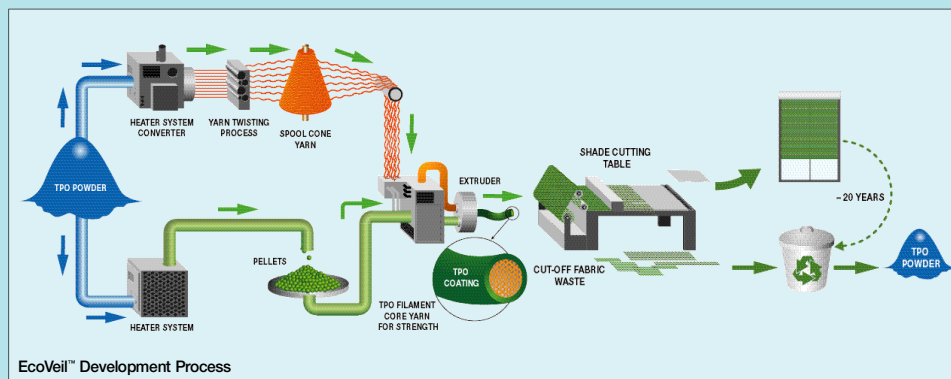
For more information please visit: [www.mechoshade.com/skylighter](http://www.mechoshade.com/skylighter)

## EcoVeil™ Shade Cloth

EcoVeil™ is a non-PVC screen cloth, with healthful properties. Constructed in the same manner as ThermoVeil®, a core of TPO fiber filaments with a TPO coating, EcoVeil has similar characteristics to ThermoVeil, plus the added benefit of being very environmentally friendly.

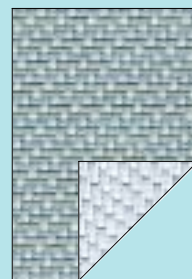
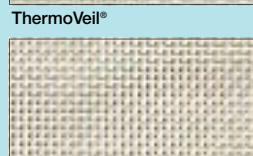
- The First "Cradle to Cradle"™ shade cloth.
- Can be reclaimed and recycled.
- Optimized by MBDC.
- Selected by Environmental Building News as one of the **Top-10 Green Building Products of 2004.**

"Cradle to Cradle" a registered trademark of MBDC.



## ThermoVeil®, EuroVeil® & EuroTwill™ Shade Cloths

Our ThermoVeil®, EuroVeil® & EuroTwill™ line of shade cloths are specifically designed to complement all types of window glazing. MechoShade pioneered the concept of "visually transparent shading" that filters natural light and controls glare and heat gain while providing a partial view through the shade.



For more information please visit: [www.mechoshade.com/shade cloths](http://www.mechoshade.com/shade cloths)



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