

# Health-Care Facilities

Window treatments for healing environments



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**Solutions that meet the challenge of dynamic glass design**

Heavy-duty, commercial-grade roller screens by MechoSystems are manual or motorised solar-shading solutions to meet the functional and aesthetic design needs of health-care facilities worldwide. From patient and examining rooms to waiting and operating rooms, MechoShades® and ElectroShades® are the shades of choice by architects and designers serving the health-care community.

MechoSystems' solutions meet the challenge of dynamic glass design to improve health-care environments by providing:

- Optimum solar protection.
- Greater use of natural light.
- Lower energy consumption.
- Views to the outside.

**Our award-winning 3000 Series shade-cloth that helps to avoid sensory-deprivation problems**

**Research on healing environments reveals that:**

- A view to the outside may influence faster recovery from surgery.
- Patients with a view of the exterior landscape may also have shorter post-operative hospital stays.
- Nurses receive fewer negative evaluations from patients when there are views to the outside.
- Patients need fewer analgesic doses and receive lower scores for minor post-surgical complications, when there are window-covering controls at their bedsides.

**Window-shading control that fosters shorter hospital stays**

**Our shade systems with ThermoVeil® shade cloths:**

- Permit patients to have hands-on control of natural light and outside views.
- Provide a significant reduction in solar-heat gain.
- Appreciatively diminish glare in the upper portion of the window, while providing a view and natural light to enter in the lower portion of the window.
- Include the 0900 Shadecloth Series with a 0–1% density especially woven for hospitals to provide diffused daylight and privacy at night.

**Nightingale Award winner**

The ThermoVeil Shadecloth Series, winner of the Nightingale Award, has a 1–2% openness factor to help avoid the problems



The connecting hallway. Sarasota (Fla.) Memorial Hospital Critical Care Tower. Designer: Stanzone Associates.

of sensory deprivation caused by blackout conditions during daylight hours. This means that patients will adjust more quickly to their diurnal rhythms and sleep cycles and, thus, heal better during the evening hours.

## **Antifungal and low maintenance**

The properties of our shade cloths discourage the growth of micro-organisms such as staphylococcus, fungus, and mildew. Independent laboratories have provided evidence that the shade cloths are less toxic than burning wood, wool, or cotton.

MechoSystems' proprietary hardware components are simple, yet heavy-duty in construction. The shade cloth band can be removed for cleaning, maintaining, and sanitising via our SnapLoc® spline; demounting the special grooved aluminium tube is unnecessary. Silver-nitrate stains and bloodstains can be washed out.

## **Control systems**

ElectroShades are available with several types of optional control systems that range from mid-window-alignment configurations to computerised sun-tracking systems for building management, such as MechoSystems' innovative SolarTrac®.

**Patients with control over their environments**

**Particular for hospitals, seamless integration with the Bed Interface Unit:**

- Provides patients with the ability to operate ElectroShades from their bedsides without assistance.
- Features a simple one-button design.
- Enhances patient empowerment.
- Interfaces with the wiring of a hospital bed by a major manufacturer.

**Manual MechoShades can include EasyLift for patients with limited grip strength.**

**Warranty**

The Mecho®/5 system incorporates a limited lifetime fit-for-use warranty on all hardware and shade cloths, with exceptions. The ElectroShade system includes a limited lifetime warranty on all hardware and shade cloths, and five years on motors and electronic controls. “Lifetime” connotes “for the life of the interior project for which it was originally purchased, not to exceed 25 years.”

Contact MechoSystems for complete warranty parameters.



Dining facility. Duchossois Center for Advanced Medicine, University of Chicago. Architecture: OWP/P.



Patient room. Massachusetts General Hospital. Architecture: Hancock & Hancock.



Patient room. University of Arkansas Medical Science. Architecture: Stuck/Mott Group.



Patient room. University of Arkansas Medical Science. Architecture: Stuck/Mott Group.



Two views of the children's room/s. Newborn Intensive Care Unit (NICU), Children's Medical Center of Dayton, Ohio.  
Architecture: E. Lynn App Architects, Inc.