

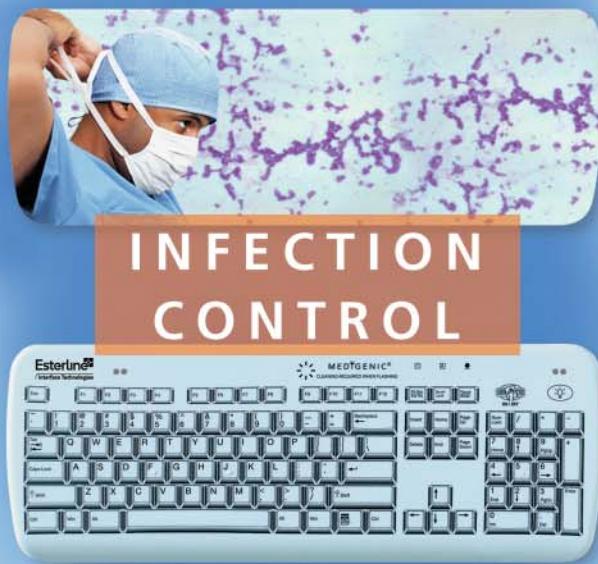
Sanitize

in

Seconds

MEDGENIC®  
MEDICAL KEYBOARD

*Infection Control Begins  
at the Entry Level*



Esterline<sup>®</sup>  
Interface Technologies

# Infection Control Begins at the Entry Level



## Now there's an alternative to conventional keyboards

Computer keyboards are everywhere in healthcare facilities. Today, smarter prevention and control of hospital-acquired infections (HAIs) are the driving need for an infection-control keyboard: a new generation designed specifically for medical environments.

Typical healthcare keyboards have many users, so cross-contamination from and to patients can result in fatal consequences—particularly if transient bacteria such as methicillin-resistant *Staphylococcus aureus* (MRSA) exist. Strong

arguments for improved infection-control methodologies are evident where computer keyboards collect bacteria and require attention to maintain cleanliness.

Esterline Interface Technologies has developed a smart infection-control keyboard that helps monitor its own cleaning status to safeguard both patient and staff. The Medigenic® keyboard's flat design quickly wipes clean with hospital-grade disinfectants. Healthcare professionals can swiftly document care with excellent tactile key response.

### TRIAL OFFER

Use the Medigenic keyboard and mouse for 30 days in your own medical environment.

#### Register Online Now:

[www.esterline.com/medigenic](http://www.esterline.com/medigenic)

#### Email:

eit.medigenic@esterline.com

#### Additional Information:

800.444.5923 ext. 1222



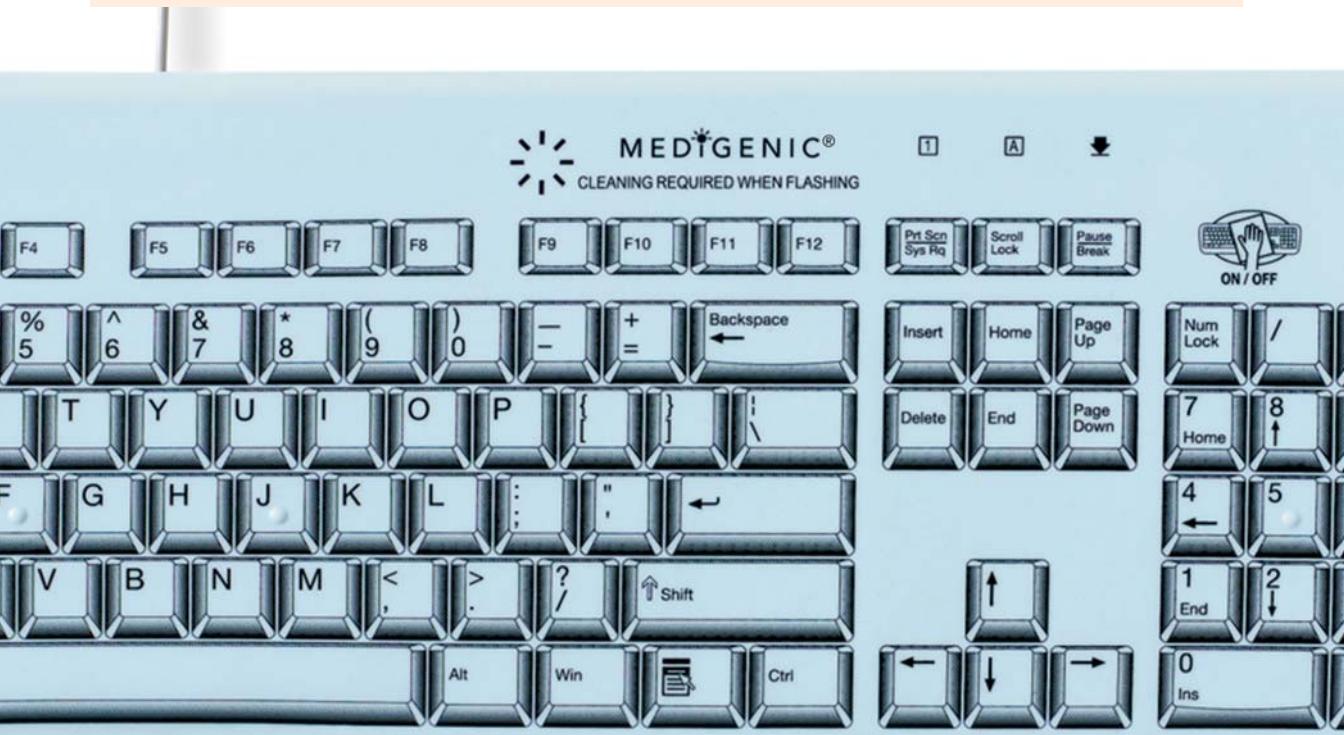
## The Medigenic Keyboard Combats Cross-Contamination

The Medigenic solution cleans easily while offering healthcare professionals a high data rate versus conventional keyboards. The Medigenic keyboard is designed for use in medical environments. Unlike conventional computer keyboards that can harbor reservoirs of harmful bacteria, this state-of-the-art device promotes cleanliness to combat cross-

contamination. In just seconds, the Medigenic keyboard's smooth non-porous surface can be clinically cleaned by utilizing a hospital-approved germicidal spray or wipe, including alcohol-based compounds. There are no raised keys to wipe around; no covers requiring replacement or disposal; no reason to submerge and dry.



- **Sanitize in Seconds:** flat keyboard design quickly wipes clean with hospital-grade disinfectants.
- **Audio and Visual Alerts:** indicator will flash and alert will sound at user defined intervals to help monitor and promote good infection-control practices. Cleaning the keyboard turns off indicators.
- **High-Speed Data Entry:** full-size keyboard enables healthcare professionals to touch-type with conventional keyboard-like performance.
- **Backlit Keys:** keyboard is usable in low-light environments to accommodate data input accuracy and reduce patient disturbance.
- **Disinfection without Disconnection:** single disable key allows connectivity while keyboard is cleaned.



## **Prevention starts with the Medigenic keyboard. Get hospital acquired infections under your control.**

Governmental, social, and business pressures are driving the need for better prevention and control of hospital-acquired infections. There is wide agreement amongst epidemiologists and hospital infection-control staff that the rates could—and should—be cut sharply.

Since computer keyboards are a frequently identified source of cross-contamination—as a result of point-of-care communications and automating patient records—we suggest you start at the entry level when you look to prevent and control HAIs.

The Medigenic high-speed data entry computer keyboard is ideal for any environment where bacterial contamination or cleanliness may be a concern. And its hygienic alert system will flash at defined intervals to promote good infection-control practices in any medical environment.

### **Medigenic Keyboard Test Results**

"Testing of the Esterline Medigenic® keyboard in the medical surgical ICU at University College London Hospitals showed significant log reduction in bacterial contamination in the range of 0.5 log - 1.4 log (71% - 96%) at cleaning alert settings ranging from 1.5 to 12 hours. The cleaning alert afforded a significant advantage in the Medigenic design in promoting a high level of cleaning compliance and a reduction in bacterial contamination during use in the ICU."

— Dr. Peter Wilson  
Microbiologist  
University College London Hospitals  
*Testing date: April 8, 2005*



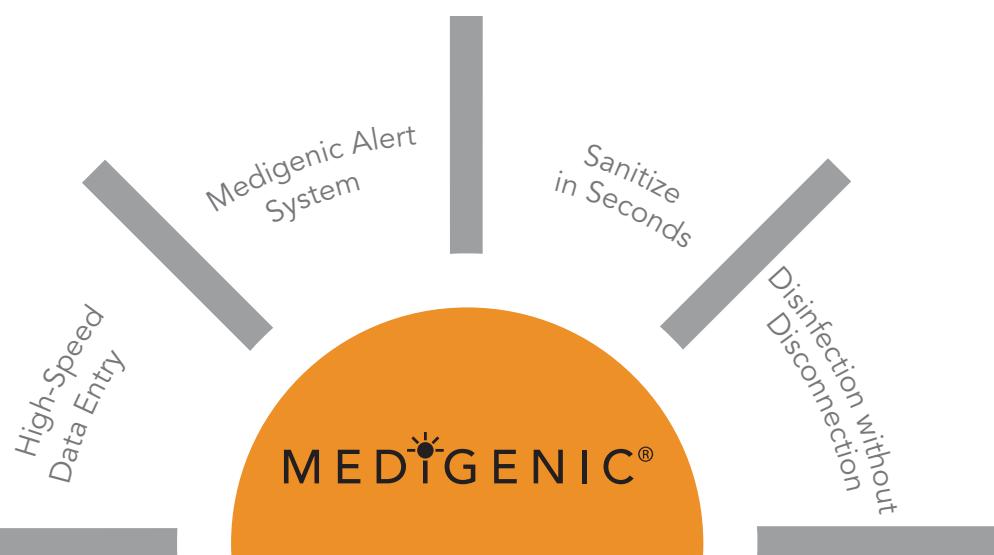
### **Medigenic Keyboard Typical Installation Sites**

- Operating rooms
- Intensive-care units
- Labs
- Patient rooms
- Pharmaceutical
- Food service
- Mobile carts
- Pediatrics
- Nursing stations



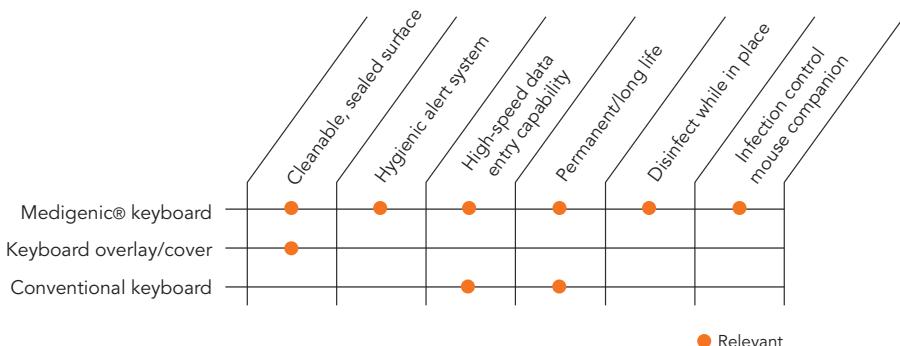
## Conventional computer keyboards spread more than words

- 💡 The colonization rate for computer keyboards and mouse with potentially pathogenic microorganisms is greater than that of other user interfaces in a surgical ICU. These fomites may be additional reservoirs for the transmission of microorganisms and become vectors for cross-transmission. Source: *The Journal of Clinical Monitoring and Computing*.
- 💡 Information presented at the 15th annual Scientific Session of the Society for Healthcare Epidemiology of America highlighted results of a study designed to determine the ability of bacteria to survive on computer keyboards. Vancomycin-resistant enterococcus (VRE) and methicillin-resistant *Staphylococcus aureus* (MRSA) are capable of prolonged survival, with growths of the bacteria evident 24 hours after contamination. Source: *Infection Control Today*.
- 💡 Consumers cite infection rates and cleanliness as two of the three most important factors when choosing a hospital, outranking other factors such as reputation and proximity. Source: *University of Pennsylvania survey, 2005*.



## Medigenic Keyboard Comparison

To be effective in a medical setting, a medical keyboard must help 1) reduce bacterial cross-contamination, 2) make healthcare institutions more efficient, and 3) make users lives easier. Esterline has developed a smart medical keyboard that helps facilitate all three requirements. But most importantly, the Medigenic keyboard safe-guards against the spread of nosocomial infections—those originating or occurring in a hospital.



## About Esterline Interface Technologies

Esterline Interface Technologies is a group of Esterline companies focused on creating state-of-the-art user interface devices.

Esterline Interface Technologies consists of Advanced Input Systems, Memtron Input Components, LRE Medical, and Esterline Input Devices (Shanghai) supported by 750 employees in five manufacturing facilities.

Our product brands are on the cutting edge of specialized medical equipment, custom designed data input components, advanced military solutions, and high-tech gaming applications to serve well-known OEMs throughout the world.

Esterline Corporation (NYSE: ESL) employs over 7,500 employees (including 700 engineers) worldwide. Representing over 20 companies, Esterline's annual sales exceeds \$1.5 billion.



**Interface Technologies**

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