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Electronics



# T O U C H S O L U T I O N S

## OEM

BCX Technology, Inc.™

## APPLICATION

ScanREQ™ Inventory Management Systems

## PRODUCT

Elo Entuitive touchmonitor with AccuTouch resistive touch technology

## KEY BENEFITS

- Intuitive user interface
- Robust, high-quality system for public use
- Stable, drift-free operation
- Finger, gloved-hand, and stylus activation

“WHEN WE DECIDED TO GO WITH TOUCH, WE RESEARCHED ALL THE DIFFERENT PRODUCTS AND DISCOVERED THAT ELO TOUCHSYSTEMS, INC. MADE MOST OF THE TOUCHSCREENS THAT OPERATED IN THE HARSH ENVIRONMENTS WE OFTEN FIND IN MEDICAL FACILITIES AND HOSPITALS.”

—David Mason,  
BCX Technology, Inc.  
President

## BCX Technology, Inc.™



Before creating BCX Technology, Inc. and its ScanREQ inventory management software system, David Mason had spent 14 years in and around the bar-coding and data-collection industry. He'd observed the cumbersome manual systems using “piggyback” product stickers and taken note of the bulky cabinet systems that operated like expensive vending machines. Mason decided that he was going to simplify medical supplies inventory management. His ultimate goal: to make managing inventory as easy and painless as checking out goods at the supermarket.

Mason began in 1995 by automating the manual counting process—an immediate

cost savings for hospitals. Two years later, Mason arrived at the decision that would make the difference—he added hardware to his software solution in the form of a touch interface.

“When we decided to go with touch, we researched all the different products and discovered that Elo TouchSystems made most of the touchscreens that operated in the harsh environments we often find in medical facilities and hospitals,” explains Mason. “We tried both IntelliTouch and AccuTouch touch technologies. AccuTouch became our preferred choice because of its durability and its ability to respond accurately to input from a gloved hand, pen or fingernail.”

## THE SCANREQ TWO-STEP

With Elo 12.1" LCD Entuitive touch-monitors with AccuTouch now his preferred interface, Mason created BCX's ScanREQ System that reduced the inventory control of hospital medical supplies to a two-step process. A ScanREQ system is installed at each nursing station and at other supply areas throughout the hospital where patient charging takes place. The nurse simply touches the screen for the room/patient to which the item is issued and then scans the item label or shelf label. The button on the touchscreen displays the room number along with the patient's name. In this easy two-step process, the nurse performs a charge for the patient (if it's a chargeable item) and debits the on-hand inventory value of the ScanREQ Inventory Control Module in real time.

After the transaction has taken place, the Material Management personnel can look at the inventory value and know exactly what is on the shelf.

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—David Mason

## MAINTAINING STOCK LEVELS

The touch-based ScanREQ system is interfaced with the Admissions Discharge and Transfer (ADT) information. As patients are admitted, discharged, or transferred, each patient's name appears on the screen along with the appropriate room number. The nurse simply touches the on-screen button with the patient's name and then scans the supply being dispensed to the patient.

On a daily basis, the Material Management personnel send the replenishment information to the host system. The Inventory Management Module incorporates a minimum and maximum ordering system. This system will only order an item if the on-hand value is less than the minimum. When this situation occurs, the system will order sufficient products from the host system to bring the item stock back to par (maximum) level.

This process greatly reduces the cost of material management in the following ways:

- Daily counts can be greatly reduced or eliminated.
- Expensive, additional “piggyback” stickers are eliminated.
- Manufacturer's bar code is used when available.
- Data is captured at point of use, reducing lost charges.
- Restocking labor is reduced because only items meeting minimum par levels are replaced.
- Reports on patient charges are easily accessible.
- Inventory data is updated in real time.
- Management reports are available on various aspects of collected data.

## SCANREQ SAVES TIME AND MONEY

The key benefit of the ScanREQ system for hospitals and healthcare providers is that it can cut costs while improving patient care. A typical example of the system's efficiency took place at Northwest Medical Center in Springdale, Arkansas, where ScanREQ installation saved both time and money.

The Center had previously used the "piggyback label" system—where two stickers are applied to the product, one atop the other—and experienced lost revenue and countless supply management issues. According to Sandi Gonzales, supply management supervisor for Northwest Medical Center, by implementing the ScanREQ system "our hospital has seen a twenty-five-percent reduction in labor costs related to inventory management, a one-hundred-percent reduction in labor for charge data entry, a 100 percent reduction in the cost of stickers and labor associated with stickering, and a significant increase in revenue."

## SOLD ON ELO

Elo's touch technology resides at the heart of ScanREQ. "Elo has always been very responsive to our needs," says David Mason. "They answered all our questions, and gave us a demo unit to test. All the units were shipped on time and worked perfectly straight out of the box. We were hooked after our first installation, and sold on Elo."

## FUTURE PLANS

Mason has also enjoyed success recently with Elo's 15" LCD Entuitive all-in-one touchcomputer because its low profile and small footprint enable it to fit in areas where space is a premium. "We will probably be moving in that direction in the future," Mason comments.

## AccuTouch Technology



In heavy-usage environments, Elo's AccuTouch five-wire resistive touchscreens provide unmatched reliability, accuracy, and durability.

- Stable, drift-free operation—for touch response that's always accurate.
- Highest touchpoint density in the industry.
- Fast touch response.
- Finger, gloved-hand, and stylus activation.
- Durable surface that stands up to harsh contaminants and chemicals.
- Gasket-sealable screen.
- Flat and spherical touchscreen options for design flexibility.

To find out more about Elo's extensive range of touch solutions, visit our Web site at [www.elotouch.com](http://www.elotouch.com) or simply call the Elo office nearest you:

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