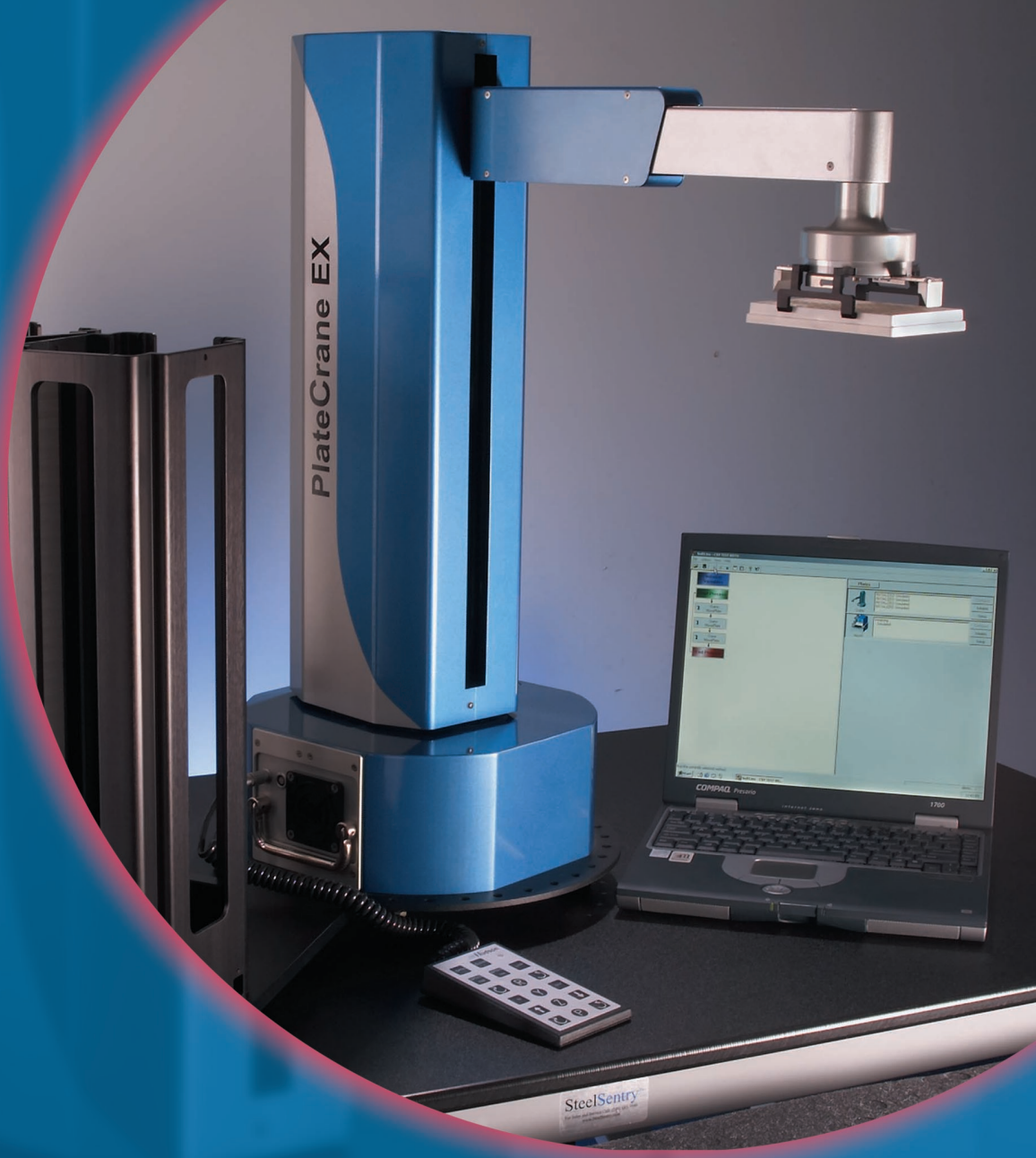
PlateCrane EX



Microplate Robotic Arm

Robust. Reliable. Rugged.

For use in:

ELISAs

High Throughput Screening

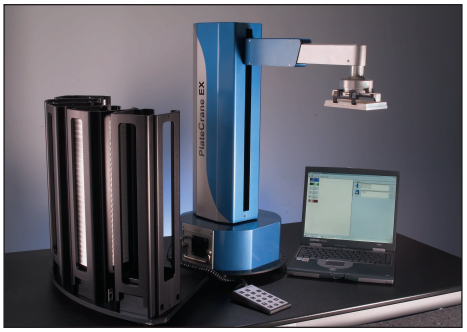
Barcode Print & Apply

OEM Instrument Loading

Hudson Control Group

PlateCrane EX - Optimized Microplate Automation

The **PlateCrane EX** provides a reliable, simple way to increase the throughput of laboratories that use microplates.



***PlateCrane EX* shown with AutoTeach vision teaching system.**

Robust

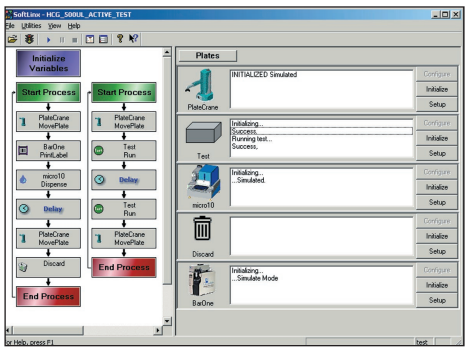
The **PlateCrane EX** microplate robotic arm provides the fastest, most robust solution available for small or large automated workcells. It comes with four axes of motion: tower rotation, vertical travel, a telescoping arm and gripper rotation that simplifies access to plates in portrait or landscape orientations.

Reliable

The **PlateCrane EX** provides walk away automation for workcells with single or several instruments, multiple processes or even a complete assay. It moves labware to and from removable stacks located around the arm. It is modular for flexibility in configuring stacks and surrounding instruments.

Rugged

Interfaces are available to more than 150 microplate-based instruments, including virtually every reader, washer, dispenser and pipettor used in laboratories. It has a capacity of up to 450 microplates, and makes it easy to configure a wide range of automation workcells. Like all Hudson Control Group products, the **PlateCrane EX** is designed to withstand the rigors of any laboratory environment.



SoftLinx® software makes it easy to interface the PlateCrane EX with other automated instruments for seamless process control.

Advanced Technology

The **PlateCrane EX**'s AutoTeach™ vision technology is the only vision teaching system in the industry. At last, even first-time users can setup and program a workcell with expert results...in minutes!

Features:

- Adds microplate capacity to a single instrument to increase "walk away" time
- Performs complete assays by linking multiple instruments with one or more **PlateCrane EX**s
- Implements a cost-effective alternative to track-mounted and stationary articulated robotic arms
- Moves plates with lids to and from stacks, and can automatically remove the lid from an active plate
- Works with 96-, 384-, 1536-well microplates, deep well plates, plates with lids and tip racks
- Fits within a standard laboratory hood
- As an option, provides random access to shelved stacks, for room temperature incubations and time critical kinetic assays

Hudson Control Group

Customized Solutions in Microplate Automation and Robotics

10 Stern Ave., Springfield, NJ 07081 • e-mail: info@hudsoncontrol.com • Tel: 973-376-7400 • Fax: 973-376-8265 • www.hudsoncontrol.com