PlateCrane™ EX & EX360

The PlateCrane EX and EX360 provide unsurpassed ease and reliability for automating any plate-handling tasks in the lab.

Hudson's PlateCrane EX™ is an affordable, flexible option for automating any plate handling task. The PlateCrane is available in multiple configurations to meet the needs of the user's project and budget.

Designed to handle all SBS formated plates, the PlateCrane can be configured with up to 15 plate stacks, or the new 10 stack carousel. It intgrates easily with automation friendly incubators or random access stacks and Hudson's LabLinX track based system. Get the plate capacity needed now and scale up at anytime.

The PlateCrane is designed for the scientist while maintaining the reliability and flexibility required by automation specialists. With the optional teach pendant calibration is almost as easy as pressing a button. While servicing one instrument or an entire workcell, the PlateCrane EX is the continued choice for laboratory automation solutions.

PlateCrane EX Robot

The PlateCrane is a simple yet robust pick and place robotic arm designed specifically for moving SBS standard microplates in a laboratory. Multiple stack configurations are avaialble to meet almost any need.

• Handle any SBS standard microplate including 96, 384, 1536 as well as deep well blocks and tip boxes
• Automate plate handling with over 200 different instruments
• Work with lidded or unlidded plates
• Small enough to fit into a standard laboratory hood
• Random access stackers available for RT incubation and time point assays
• Add additional plates to active protocols with ease
• All PlateCrane systems come with SoftLinx V Scheduling software. SoftLinx is an easy to use, drag and drop control program. Quickly and easily create automated methods.
• All PlateCrane Systems come with an innovative base that allows multiple devices to attach directly to the robotic arm. The system locks together creating a stable work station on almost any surface.
• One (1) PlateCrane EX easily supports multiple instruments
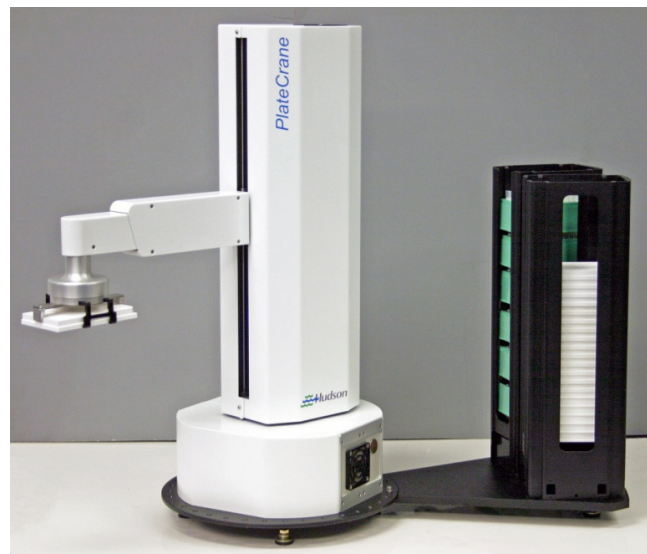
The PlateCrane EX

![Hudson Robotics, Inc. logo — Ahead of the Curve.]

Applications

The PlateCrane EX ™ is the ideal solution for automating plate-handling in the lab:
• Stack and transport standard microplates, deep-well plates, tip boxes and more
• Includes the full version of SoftLinx V scheduling software

Complex plate handling problems made easy with Hudson's automated plate handling solutions:
• Flow cytometers - Automate and expand the process of moving plates to the Guava & IntelliCyt instruments
• qPCR - move plates into and out of Roche's LightCycler, BioRad's CFX, or ABI's7900 instruments
• Liquid handlers - quickly and easily expand capabilities of existing liquid handling systems with the PlateCrane.
• Plate readers - Remove lids, set up time point assays and create mutliple instrument workcells
• Create customized, total solutions that are flexible & scalable as well as easy to operate & affordable

Fast, easy plate-handling solutions
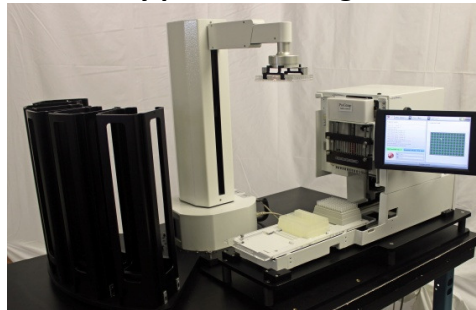
Serial Dilution Workcell

Specifications

The PlateCrane is available with either a standard gripper* or a side gripper* for random access applications.
*Both grippers are rotary for working with either landscape or portrait nest positions

•Choose the standard PlateCrane EX or the PlateCrane 360 for more flexibility and speed.
•All PlateCrane systems work with lidded plates.
•Optional teach pendant makes teaching positions fast and easy.
•The PlateCrane comes standard with 5 stacks; each stack holds 25 lidded plates, 30 plates without lids or 9 DW blocks
•Plate capacity can be expanded to 15 stacks or up to three 10-stack carousels.
•Optional temperature controlled stacks are available.

Arm motion: *EX* model has 345° horizontal rotation; *360* model has 360°+ (unlimited) rotation
Hotizontal reach: 12 - 18 inches from centerline
Vertical reach: maximum 22.75 inches from table, 18 inch vertical travel distance
Height: and weight: 29 inches; 45lbs. without stacks
Operating temperature and humidity: 15° to 40℃ (59° to 104℉); 0 to 85%, non-condensing
Computer interface: RS232
Power input: 115V / 220V AC, 50/60 Hz