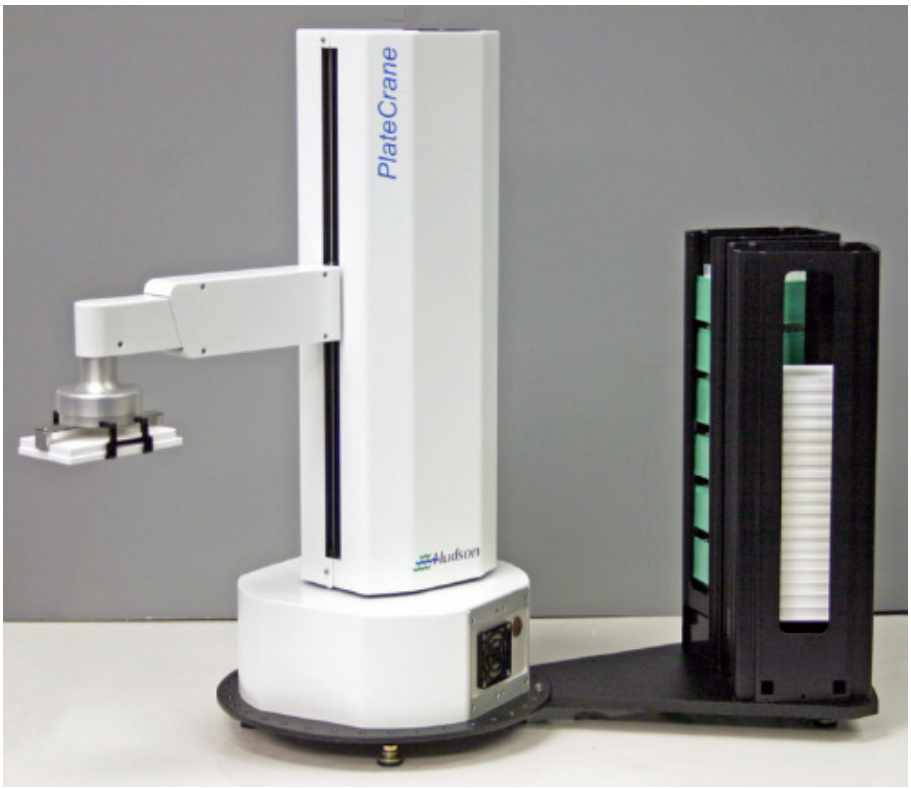
PlateCrane EX™ Robotic Arm

The PlateCrane EX provides unsurpassed ease and reliability for automating any microplate format instrument for high throughput analysis.

Hudson's PlateCrane EX™ Robotic Arm is an affordable, flexible option for automating any plate handling task. Equipped with Hudson's SoftLinx software suite, the PlateCrane EX can be configured to serve one or multiple microplate compatible instruments.

The PlateCrane EX Robotic Arm

- Can be configured with up to 15 plate stacks, or use a 10 stack carousel.
- Integrates easily with automation friendly incubators or random access stacks. Get the plate capacity needed now and scale up.
- Is designed to be easy to use while maintaining the reliability and flexibility required by automation specialists.
- Can be configured to serve one instrument or an entire workcell.



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PlateCrane EX Robot

The PlateCrane EX is a simple yet robust pick-and-place robotic arm designed specifically for moving SLAS standard microplates in a laboratory for high throughput applications. Multiple stack configurations are available to meet almost any need.

- Handle any SLAS 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

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 for dynamic communication between instruments.

Complex plate handling problems made easy with Hudson's automated plate handling solutions:

- AATI Instruments - Remove lids, set up time point assays and create multiple instrument workcells
- Fragment Analyzers - Automate and expand the process of moving plates to the Advanced Analytical instruments
- Liquid handlers - Quickly and easily expand capabilities of existing liquid handling systems with the PlateCrane
- Create customized, total solutions that are flexible & scalable as well as easy to operate & affordable

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
- All PlateCrane systems work with lidded plates.
- Optional teach pendant makes teaching positions fast and easy.
- The PlateCrane comes standard with 2 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
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°C (59° to 104°F); 0 to 85%, non-condensing
Computer interface:	RS232
Power input:	115V / 220V AC, 50/60 Hz