PlateCrane™ SciClops Robotic Arm
With 360° Unlimited Rotation

Provides extended accessibility for tough to reach instrumentation.

It's great new features include:

- 40% larger work envelope than PlateCrane EX
- Unlimited rotation
- Extended reach capabilities



PlateCrane SciClops

Hudson's PlateCrane SciClops is flexible enough for automating any plate-handling task. Change the way you think about laboratory robots!

- Handles any ANSI SLAS-standard microplate including 96, 384, 1536- well, deep-well blocks and tip boxes.
- Plug-and-Play USB computer interface.
- Automated plate handling with over 200 different instruments.
- Works with lidded or unlidded plates.
- Small enough to fit into a standard laboratory hood.
- Random access stacker option for room temperature incubations and kinetic assays.
- Add additional plates to running 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.
- One SciClops easily supports multiple instruments.

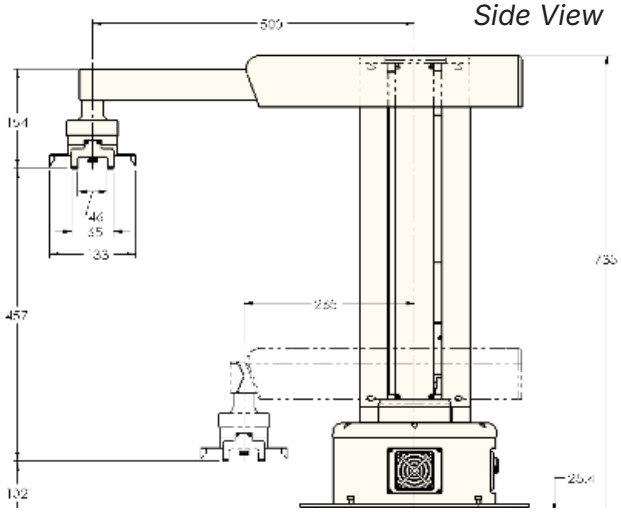
Applications

The PlateCrane SciClops is the easiest solution to implement and use for automating plate handling in the lab.

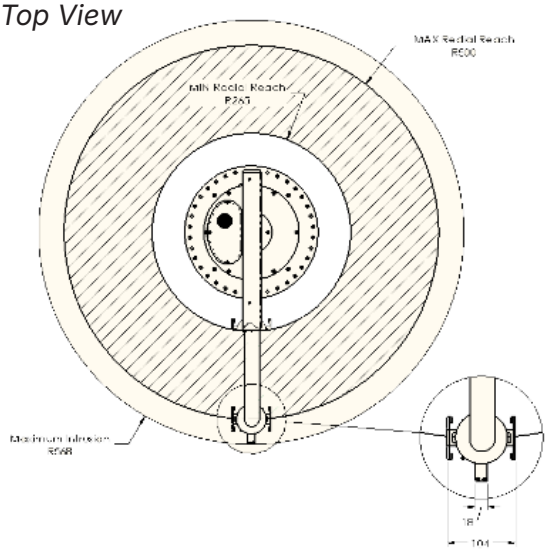
- **ELISAs**: Dispensers, Washers, Readers
- **Synthetic Biology**: DNA Purification, Extractions, Colony Picking
- **Cellular Assays**: Flow Cytometers, HCS, DLS, Microscopes
- **Sample Prep & Purifications**: SPE, Serial Dilution, Filtrations

PlateCrane SciClops - Expanded Work Envelope

Side View



Top View



Specifications

The SciClops is available with either a standard gripper* or a side gripper* for random access applications.

- 360°+ (unlimited) horizontal rotation for unparalleled flexibility.
- All PlateCrane systems work with lidded plates.
- 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.
- 265 to 500 mm horizontal reach from center axis.

** Both grippers are rotary for working with either landscape or portrait nest positions*

Vertical reach	Maximum 22 inches from table; 18 inches vertical travel distance Extended height is available with SciClops Plus or our Protean Workcell.
Height and weight	28 - 29 inches; 45lbs. without stacks
Operating temperature and humidity	15° to 40°C (59° to 104°F); 0 to 85%, non-condensing
Computer interface	USB
Power input	115V / 220V AC, 50/60 Hz ; 2A

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