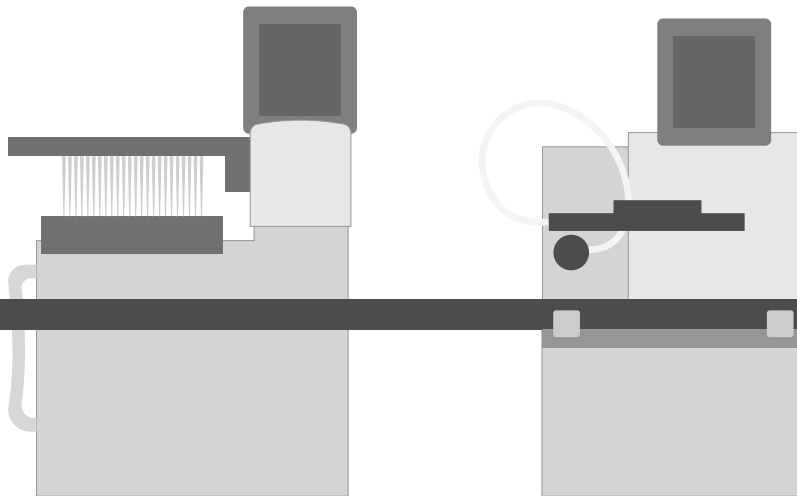


The Lab Automation Experts

We specialize in applying lab instruments, lab integration software and hundreds of third party devices to laboratory automation solutions.

 Visit us at [hudsonrobotics.com](https://www.hudsonrobotics.com)



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Automated Workcells

Robotic Arms and Tracking Systems

Liquid Handling Systems

Colony Pickers

Rapid pH Meters

Lab Automation Software

Custom and OEM Services

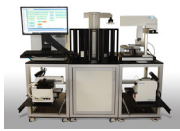
Tools for COVID-19 Research

Our robust product line can be customized to suit your individual lab needs. All of our systems are powered by our SoftLinx™ Lab Automation Software.

Automated Workcells

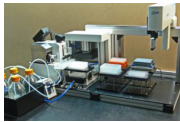
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Our automated workcells offer fully integrated systems that swiftly and efficiently support your research. Workcell applications include the following:



Protean Workcell

Flexible, compact and can be configured to house up to 9 levels of instrument space. This allows the system the flexibility to change with your changing needs.



DNA Extraction Workstation (DNA/RNA and Proteins)

Greatly simplify the process of isolating pure nucleic acids and/or proteins from a wide variety of natural sources. These small space saving extraction systems can be designed for labs with low-medium throughput requirements where plates are manually loaded, or fully automated for labs with higher throughput requirements.



Automated ELISA Workstation

Complete ELISA Assay sample preparation customized to your needs. A fully-capable, compact ELISA prep workstation that fits easily into most standard bio-safety hoods.



Synthetic Biology Workstation

Automate the entire portion of the pipeline from Gene Assembly through Plasmid Preparation. Pipetting/Hit Picking, DNA Normalization, Transformations, Plating Colonies, Gene Assembly, PCR, Serial Dilutions, and Plasmid Prep are automated and integrated into a single, easy-to-use systems or smaller workstations. You provide the competent cells and the DNA constructs, the workstation does the rest.



Plasmid Prep Workcell

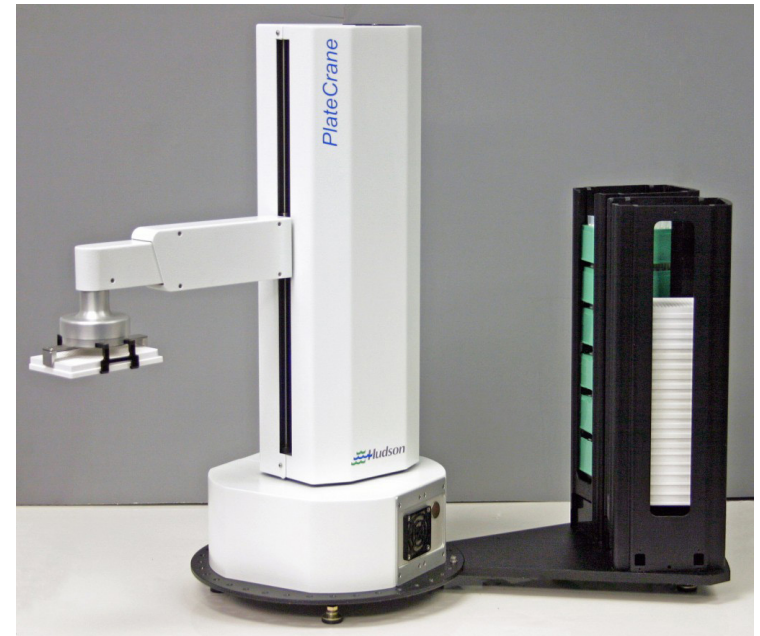
Supports standard miniprep protocols and includes a SOLO automated pipettor, a FilterPress™ automated 96 well filter plate positive pressure manifold, and a microplate shaking nest. Capacity can be increased by including a PlateCrane™ robotic arm and microplate hotels.

Robotic Arms and Track Systems

The PlateCrane EX™ is a microplate handler for laboratory automation which is optimized for handling labware in the “SBS/SLAS footprint”, including microplates, reservoirs, and disposable tip racks. The PlateCrane is optimized for loading and unloading automated lab instruments such as microplate readers, microplate washers, automated centrifuges and reagent dispensers. The PlateCrane microplate stacker is heavily used in assay development, cell biology, bioassay validation, DNA quantification, PCR setup/cleanup and high-throughput drug screening.

Products for Microplate Handling

- PlateCrane EX Robotic Arm
- PlateCrane SciClops Robotic Arm
- SciClops Microplate Handler + Dual Height Robotic Arm
- LabLinx Stacker and Track for Linear Microplate Handling
- Protean Workcell



Automated Liquid Handling Systems

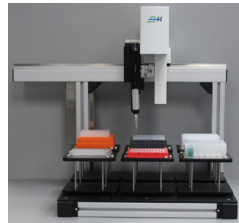
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Our automated liquid handling systems are both accurate and precise. Available in multiple configurations, these automated liquid handling systems offer flexibility and can easily be used as free-standing instruments, or as integrated instruments in an automated workstation.

Our liquid handlers easily fit on the lab bench or in a standard fume hood, anaerobic chamber or biosafety cabinet. Well suited to automating small and large volume experiments, Hudson liquid handlers are compatible to SBS/SLAS footprint microplates SBS footprint microplates and can be adapted to flasks, tubes and bottles. They save valuable time and reduce errors inherent in repetitive liquid handling protocols. The small footprint and open design of these liquid handlers provide easy integration with accessories such as heating and cooling nests, incubators, magnetic bead nests, automated centrifuges, microplate readers and more.



Micro10x Reagent Dispenser



SOLO Automated Pipettor



RapidWash Microplate Washer

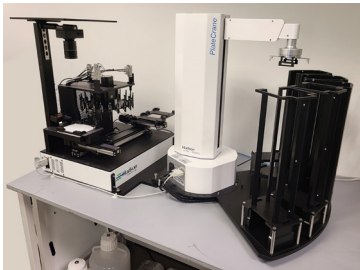


FilterPress DNA, RNA, Protein and Plasmid Extraction and Purification

Colony Pickers

Hudson's RapidPick™ Colony Picking Systems are the only fully-automated high-throughput microbial colony picking workcells. They deliver performance and precision unparalleled in the Life Science industry. They are available in multiple sizes and features to suit your lab needs. RapidPick systems offer the following options:

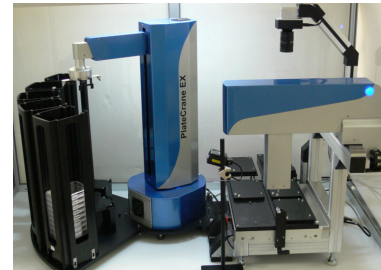
- Robotic loading/unloading
- Automated fresh media filling
- Automated gas-permeable plate sealing
- Barcode scanning
- Up to 2,500 picks/hour (typical)
- 99+% inoculation success (typical)
- Capacity of up to 225 colony plates or more
- All RapidPick models fit well in anaerobic chambers (ideal for microbiota research)



RapidPick Colony Pickers



RapidPick SP Single Pin Colony Picker



RapidPick Harvester Colony Picker for Stem Cell Clusters, Microbial and fungal samples

Rapid_pH Automated pH Meters

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Tired of waiting for pH probes to stabilize?
Now, set your samples down and walk away!

The Rapid_pH family of laboratory pH meters use robotics to automatically measure pH in microplates, tubes and vials, reducing the time and tedium associated with manual pH measurement in the lab. These automated pH meters will increase your pH measurement throughput and free up your time to work on other important tasks.

Our benchtop pH meters includes a laptop computer preloaded with the Rapid_pH software, facilitating easy setup in minutes.

Our Line of Rapid_pH Meters includes:

- Rapid_pH Automated pH Meter
- pH Meter with Temperature Compensation
- pH Meter for Viscous pH Samples
- pH Meter with CFR 21 Part 11 Compliance Software



SoftLinx Lab Automation Software

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SoftLinx™ is a powerful, flexible software program for controlling your laboratory instrumentation. It is also incredibly easy to use!

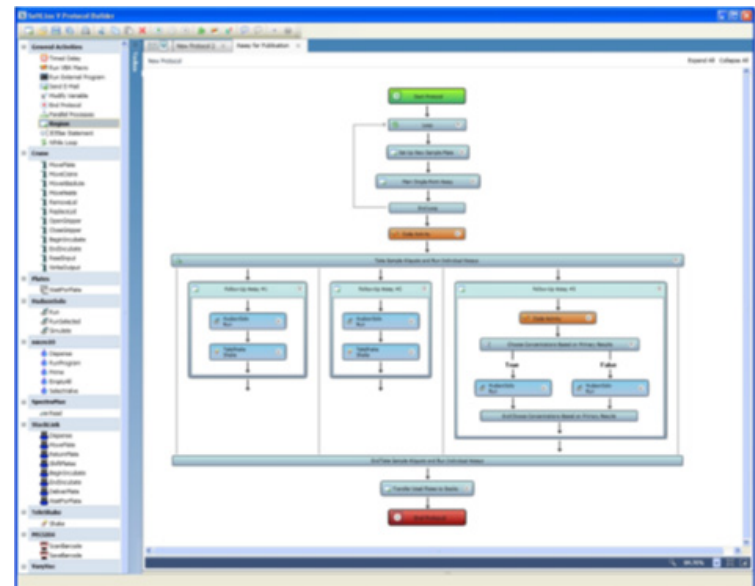
SoftLinx™ is a powerful multitasking application for planning and running lab automation workcells. It is designed to make the programming and operation of lab automation workcells easy for lab personnel, yet flexible enough for even the most demanding custom modification by programmers.

Open Architecture: Our “plug-in” based design allows creation of unique plug-ins as device drivers, instrument interfacing, links to LIMS or anything that a PC can be programmed to do.

Intuitive: The user interface includes a drag-and-drop flow chart-like interface which makes it easy to build a protocol that takes maximum advantage of your instrument configuration. Individual steps can be added, customized or removed, and series of independent or interdependent methods can be defined.

Flexible: SoftLinx turns any large, integrated system into a combination of small virtual workcells, incorporating only the instrumentation that the user needs! SoftLinx allows users to start and run additional methods, even while others are already running, even using the same instruments, whether pre-planned or not!

Scheduling: SoftLinx's opportunistic scheduling finds the most efficient way to perform complex protocols, running different stages of the process simultaneously, and deploying individual robots differently depending on the current state of the system.



Custom and OEM Services

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Let our lab instruments be your lab instruments!

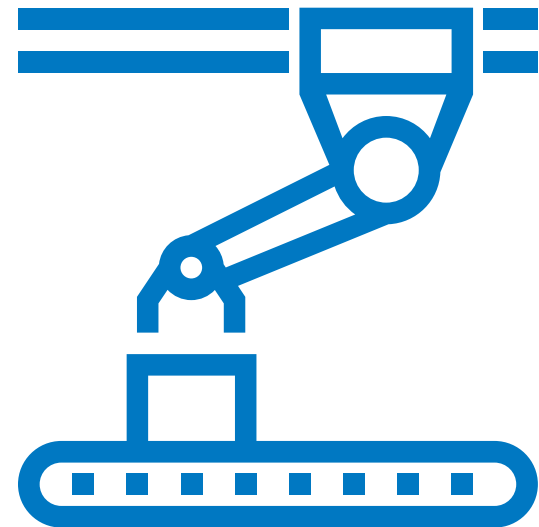
Hudson Robotics is an OEM Laboratory Equipment Manufacturer. We will design and manufacture your custom lab instruments using your logo, colors or other branding. All of our standard laboratory products are available for OEM or private-label contracts to meet your customer's needs.

Hudson's entire product line is designed to work with third party instruments including microplate readers, liquid handlers, thermocyclers and sealers.

If we don't have exactly what your product line needs, please ask, as we routinely design OEM products.

We offer attractive discount and support plans. Even if you are new to integrated instrument automation, we'll make it easy for you to get started as well as provide long-term support if desired.

[Get a Quote on Custom and OEM Services](#)



Solutions for COVID-19 Research

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To address the COVID-19 epidemic Hudson Robotics has grouped some of our products together to highlight their benefits for COVID-19 research.

All of our automation products come ready to use and are powered by our easy and intuitive Hudson SoftLinx™ Lab Automation Software. Hudson has you covered with system architecture that can change, grow or evolve with you.

Tube to Microplate Transfers with the SOLO Liquid Handler

Often overlooked, getting patient samples into microplates, deep wells or 96 tubes is time-consuming. See how this can be automated with the SOLO.

ELISA Workcell – COVID-19 Package

Hudson has combined all required ELISA assay functions into one compact ELISA Workcell, based on our SOLO™ Liquid Handling platform. This automated ELISA system features walk-away processing of your samples with minimal hands-on time.

The workcell comes ready to use, powered by our easy and intuitive Hudson SoftLinx Lab Automation Software. This workcell can be expanded at any time by adding microplate-based instruments, including those from other manufacturers, and controlled using the same SoftLinx interface.



PLUS:

Pre-configured COVID-19 Compatible Workcells for RT-PCR Diagnostic Panels

Turn-Key PlateCrane Microplate-Handling Robots for Flow Cytometry Instrumentation

Automated DNA, RNA and Protein Extraction/Purification for COVID-19 Research

[Learn more about our COVID-19 Solutions](#)



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Hudson Robotics, founded in 1983, has a long-standing history in laboratory automation. Located in Springfield, New Jersey, Hudson Robotics is a leader in microplate automation, laboratory robotics, liquid handling and customized software-driven laboratory automation solutions for life-science research. The company provides tools that can be used in areas such as drug discovery, clinical research and pharmaceutical development, including high throughput screening, proteomics and genomics.

We work with our clients to develop strategies that best meet their unique needs, whether for a large integrated system of automated laboratory equipment, or a single solution product that solves a specific problem.

Hudson has global representation through a dealer/distributor network that includes Europe, Asia, Australia and South America.

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