SOLO™
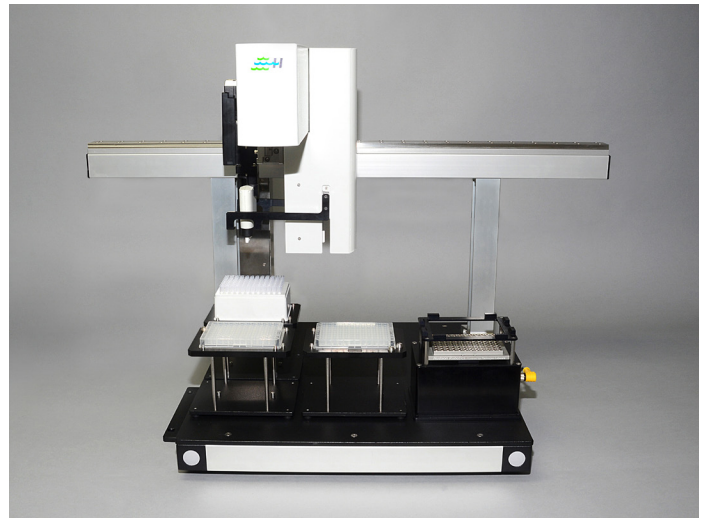# Robotic Pipettor

The SOLO™ Automated Pipettor and SOLOSoft™ control software offer unsurpassed ease-of-operation, precision & integration with 3rd party instruments.

Hudson's SOLO is a low cost, flexible and easy-to-use automated pipettor. Available options include 4, 6, 8, 10, or 12 nests on the deck and single, 8- or 12- channel pipettors. The SOLO can be programmed to perform the tedious task of pipetting for better repeatability than manual methods. Equipped with a broad dynamic volume range, the SOLO can be loaded and operated manually. It can be integrated with the Hudson PlateCrane EX and SciClops robotic arms or arms from 3rd party manufacturers. The open access to the deck of the SOLO allows 3rd party instruments to be placed on top of the deck or to either side of the deck of the SOLO. An optional Microplate Gripper can be added to move microplates among nests or instruments. The SOLO provides researchers with walk-away freedom.

The SOLO includes SoftLinx lab automation software for building simple or complex application-based workcells and for data tracking, traceability, and auditability. SoftLinx lab automation software has software integrations to over 200 3rd party lab instruments. Hudson's software team can write custom integrations as needed.

The SOLO™ easily fits on the lab bench and in standard fume hoods, anaerobic chambers and biosafety cabinets. It can automate large and small volume experiments, and is adaptable to SBS footprint microplates as well as flasks, tubes, and bottles. The SOLO will save valuable time and reduce errors inherent in complex, repetitive pipetting. Optional deck accessories, stackers and bulk reagent dispensing give the SOLO all the features users demand in an automated pipettor. The SoftLinx Player software with Guided Operations (GO) technology provides technicians with pictures and a task list to easily run protocols they may never have seen before.
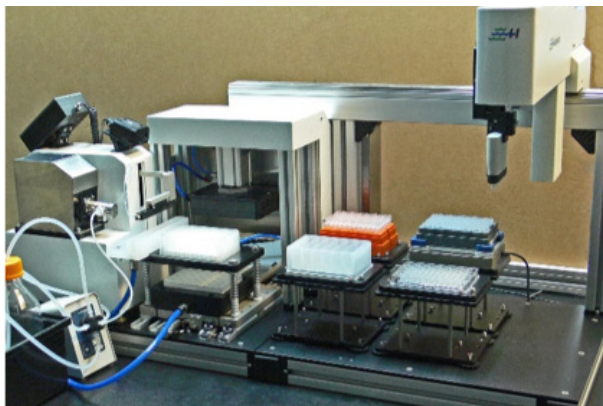

SOLO Robotic Pipettor

- 8-, 24-, 96- & 384- well microplate compatible
- Compatible with a wide variety of plates, vials and reagent reservoirs
- Dispense above the well, tip touch or set mix protocol
- Broad volume range: 1uL to 1,000uL for the multi-tip heads
- Easily fits in a standard hood, and anaerobic chambers
- Fully compatible with robot loading systems or can be used manually as a stand alone unit
- Plate stacker upgrade available anytime for unparalleled flexibility and high throughput
- Easy to use SOLOSoft control software for simple programming of pipetting steps
- Seamless integration to SoftLinx and the SoftLinx Player with GO technology

Applications

The SOLO™ is the ideal benchtop pipettor for a variety of applications.
The SOLO offers the following fully-developed applications, including:

- Serial Dilutions
- Hit Picking
- Kinase assays
- ELISAs
- DNA Extraction
- DNA Normalization
- Next Gen Sequencing Prep
- Gene assembly

DNA Extraction Workstation

Synthetic Biology Workstation

Specifications

Dispensing	Single channel: 1uL to 10 mL; optional pump assembly for bulk dispensing 8 & 12 channel: 50 uL, 100 uL, 200 uL, 300 uL and 1,000 uL pipette heads
Plate Capacity	4 to 12 on-deck positions; up to 4 additional positions off deck
Plate Format	SLAS footprint; 8-, 24-, 96-, 384- shallow well and deep well; inquire for custom nests
Housing Material	Powder-coated aluminum main deck; painted steel upper arm covers; machined aluminum structural components
Spill Protection	No electronic components subject to spillage
Base Size	21"W x 21"D x 22"H (Standard 6-position deck model)
Weight	60lbs.
Computer Interface	RS-232
Accessories	• Plate stacker and/or robotic arm • Shaker nest • Liquid level detection • Integrated bulk reagent dispensing • Thermal cycler • Filtration station • Heating/Cooling nests • Magnetic nest

Hudson
ROBOTICS