

# Micro10x™

## Robotic Reagent Dispenser

*Ahead of the Curve.*

### *Compact 8- and 12-Channel High-Throughput, Accurate Bulk Reagent Dispenser for Microplates*

The **Micro10x** provides a combination of fast filling speeds, high accuracy and extreme flexibility not found in other benchtop reagent dispensers. The **Micro10x** accurately dispenses volumes down to 2uL per channel, and provides features like tip-touchoff to ensure a clean, full dispense of even high surface-tension liquids. Its positive-displacement pump head is adjustable in 10nL increments, and never requires calibration.

The **Micro10x** can be loaded and operated manually, but is also fully-compatible with robot loading systems, such as Hudson's PlateCrane™, or track-based microplate delivery systems, such as Hudson's LabLinx, for unparalleled throughput and ease of setup.

### Micro10x™ Fast, Compact, Accurate Benchtop Instrument for Reliable, Automated Reagent Dispensing into all Microplates

The **Micro10x** brings many advantages to lab applications:

- Conserves bench space with its small, 7"x10" footprint
- Graphical Image Row Selection to control the dispensing pattern
- 96-, 384-, 1536- filling, standard and deep-well
- Tip Touch to control droplets
- Autoclavable fluid path assures sterility



#### Corporate Headquarters:

10 Stern Avenue | Springfield, NJ 07081-2905 | +1.973.376.7400 | [info@hudsonrobotics.com](mailto:info@hudsonrobotics.com) | [www.hudsonrobotics.com](http://www.hudsonrobotics.com)

## The SOLO Plus: A Micro10x integrated with the SOLO



The Micro10x is a small, dependable tool for quickly adding all types of liquids evenly across standard microplates. When connected to the Hudson SOLO robotic pipettor, which can add different test compounds into each well, virtually any assay can be prepared.

It is well-suited to use in ELISA applications as a dispenser of conjugate and stop solutions. Its high speed and robot compatibility make it ideal for ELISAs that require consistent processing of many hundreds of plates. Its self-priming feature allows it to maintain consistently clear dispense nozzles even during long plate-incubation times.

### Specifications

**Dispense Volumes:** 5 $\mu$ L and up - below 2% CV; 2-5 $\mu$ L - below 5% CV

**Electrical:** 115/220 VAC, 0.5 Amps

**Calibration:** Holds factory calibration for > 50 million cycles

**Sterilization:** A fully-autoclavable liquid path

**Configuration:** Available in both landscape (12-nozzle dispensing) and portrait (8-nozzle dispensing) style

**Pump Options:** Offers two different pump sizes (0.25" or 0.375" barrel)

**Size (H x W x D):** 15.8" x 7.0" x 10.1"

**Typical Dispense Times for an Entire Plate:**

- 15 seconds - 96 well plate, 100 $\mu$ L per well
- 24 seconds - 384 well plate, 25 $\mu$ L per well