

**Aurora**  
ILLUMINATING SOLUTIONS

# VERSA Series

Automated Liquid Handling Workstations



**SOLUTIONS FOR LIFE SCIENCE & ENVIRONMENTAL SCIENCE**

# VERSA™ Series

## Automated Liquid Handling Workstations

Aurora provides comprehensive lab automation solutions and accompanying reagent kits supporting life science research. The VERSA Series of automated liquid handling workstations facilitate higher sample throughput while improving quality, accuracy and precision. The inherent versatility and flexibility of the liquid handling modules, volume range, deck modules and labware adapters, as well as a wide range of platform sizes ensure that there is a VERSA system suitable for almost every application.

### Liquid Handling Modules

#### SyringePipettor

Three optional syringe sizes (25  $\mu$ L, 250  $\mu$ L or 1000  $\mu$ L) enables accurate aspiration and dispensing of liquids ranging from 1- 1000  $\mu$ L.



8 Channel SyringePipettor

#### NanoPipettor

The NanoPipettor module dispenses and aspirates nL to  $\mu$ L volumes, and is ideal for generating parallel dilution series and array printing applications.



8 Channel NanoPipettor

#### ReagentDrop

The ReagentDrop module delivers fast and reliable bulk dispensing of liquids in the  $\mu$ L to mL range.



5- 8 Cluster Reagent Drop

#### 96 Channel Aspirator

The 96-channel aspirator is used to remove waste/supernatant during process such as nucleic acid extraction protocols. It can be used in any plate wash steps.



96 Channel Aspirator

### Customization & Integration

Aurora's liquid handling workstations, liquid handling modules, deck modules and OEM solutions including SyringePipettors, peristaltic pumps and XYZ autosamplers may be customized and/or integrated with your research workflow according to your specifications.

### Deck Modules

To easily automate different applications, the VERSA 1100 workstation can be equipped with a variety of deck modules, including:



Reagent Cooler /  
Heater Block



Plate Cooler /  
Heater Block



Heater-Shaker



Plate Transporter



Plate Gripper



Magnetic Block



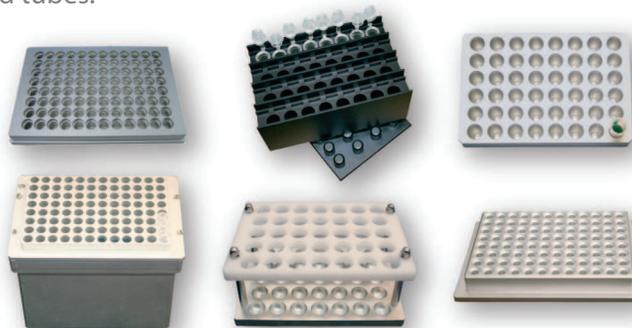
Vacuum Manifold



Barcode Reader

### LabWare Adapters

VERSA workstations are compatible with almost any type of labware. Available options include 96 and 384-well plates, PCR tubes and strips, as well as a variety of vials and tubes.



VERSA workstations are compatible with validated automation-style disposable tips, which are available in non-sterile, sterile and sterile-filtered formats and sizes (ie. 10 $\mu$ L, 20 $\mu$ L, 50 $\mu$ L, 100 $\mu$ L, 200 $\mu$ L and 1000 $\mu$ L).



GENOMICS



IMMUNOLOGY



DIAGNOSTICS



PROTEOMICS



AGRICULTURE



FOOD SAFETY



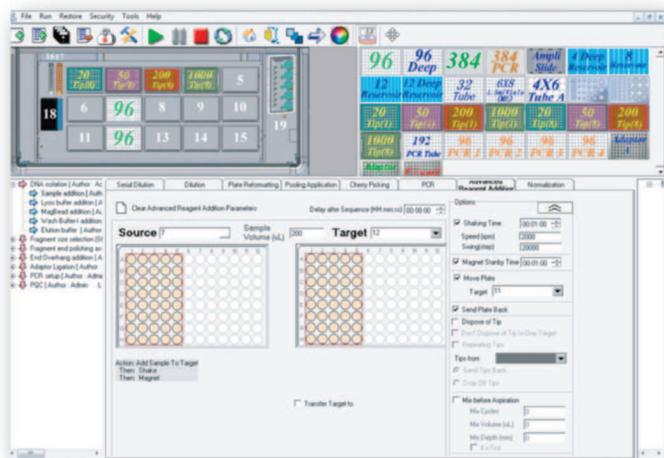
EDUCATION

# Representative Application Areas

	VERSA 10	VERSA 110	VERSA 600	VERSA 1100	VERSA 2000
Reaction Setup:	•	•	•	•	•
PCR	•	•	•	•	•
Sequencing	•	•	•	•	•
DNA/RNA Restriction	•	•	•	•	•
DNA/RNA Digestion	•	•	•	•	•
Ligase Reaction	•	•	•	•	•
Reverse Transcription	•	•	•	•	•
Enzymatic Reactions	•	•	•	•	•
Nucleic Acid Purification & Extraction		•	•	•	•
Next Generation Sequencing Prep		•	•	•	•
ELISA		•	•	•	•
Solid Phase Extraction (SPE)		•	•	•	•
Liquid-Liquid Extraction (LLE)		•	•	•	•
Solid Phase Reversible Immobilization		•	•	•	•
Post PCR purification	•	•	•	•	•
Cell Based Assays		•	•	•	•
Microarray Printing and Spot Printing		•	•	•	•
Peptide Synthesis		•	•	•	•
Crystallization		•	•	•	•
Vial Filling		•	•	•	•
Gellified Medium Dispensing		•	•	•	•
Plate Reformatting	•	•	•	•	•
Cherry/Hit Picking	•	•	•	•	•
Serial Dilution	•	•	•	•	•
Compound Dilution	•	•	•	•	•
Plate Replication	•	•	•	•	•
Sample Concentration Normalization	•	•	•	•	•

## Software & Deck

Various tabs within the VERSAware software window enhance the underlying versatility of the workstation by allowing the user to perform diverse liquid handling functions. Customized methodologies are easy to create, save, edit, rearrange and load into the library of stored protocols using import and export functions within the software. In addition, general liquid handling protocols including reagent addition, dilution, plate reformatting and cherry picking are also available. These features allow complete customization of protocols and push-button operation.



ENVIRONMENTAL



MINING



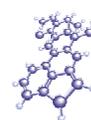
OEM



BIOMEDICAL



REAGENTS



DRUG DISCOVERY

# VERSA™ Series

## General Specifications

	VERSA 10	VERSA 110	VERSA 600	VERSA 1100	VERSA 2000
Deck Capacity	6	8	9	15	28
Number of Arms	1	1	1	1	2
Channels/Arm	8+1	1	8+1	8+1	8+1
Weight (kg) *(w/o hood)	31	70	80	150	180
Weight (kg) *(incl hood)	41	80	90	190	220
Length (cm)	57	60	66	93	120
Width (cm)	45	60	62	62	84
Height (cm)	54	45	62	62	85
Communication	USB	USB	USB	USB	USB
Computer	Desktop PC running Windows XP, 250 MB hard drive, 2 GB RAM, 1.6 Ghz single core CPU (or better)				

## Technical Specifications

	VERSA 10	VERSA 110	VERSA 600	VERSA 1100	VERSA 2000
Liquid Displacement Technology		•	•	•	•
Air Displacement Technology	•		•	•	•
ReagentDrop (dispensing only)		•	•	•	•
SyringePipettor (fixed tips)	•	•	•	•	•
SyringePipettor (disposable tips)	•	•	•	•	•
Nanopipettor	•	•	•	•	•
Syringe Sizes	25 or 250 or 1000 µL	25 and 250 or 1000 µL	25 or 1000 µL (single channel module) 250 or 1000 µL (multi-channel module)		
Disposable Tip Sizes	20, 50, 200 or 1000 µL automation certified disposable tips				
Total Volume Range *(depends on choice of pump)	1 - 1000 µL				
Plate Transporter		•			
96 Channel Aspirator		•	•	•	•
Liquid-Level Sensing	•	•	•	•	•
Plate Gripper			•	•	•
Reagent Cooler Block	•	•	•	•	•
Plate Shaker / Bead Mixer	•	•	•	•	•
Plate Shaker with Heater	•	•	•	•	•
Plate Heater / Cooler Block	•	•	•	•	•
Magnetic Block (moveable)	•	•	•	•	•
Positive Pressure Port (SPE)		•		•	•
Vacuum Manifold (Negative Pressure)	•	•	•	•	•
Nitrogen Manifold		•	•	•	•
HEPA / UV / Fluorescent Light Enclosure	•	•	•	•	•

The VERSA Series of workstations is customizable to support a wide variety of requirements & applications. Options include, but are not limited to: larger deck sizes, multiple pipetting heads and arms, below deck access to plates and samples, integration of refrigeration and/or freezer units, qPCR instrumentation, plate readers, barcode readers, plate sealers, and DNA/RNA quantifiers, as well as a variety of other integration options.

*PLEASE NOTE: Instrument specifications may change without notice as an ongoing effort of product improvement.*

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