

Next generation sequencing (NGS) has revolutionized the ability to perform genomic analyses by providing the power to sequence an entire genome economically in a single day. Automation to support NGS technologies needs to meet the throughput required by NGS workflows and offer robustness and flexibility to fully realize the power of NGS.

The VERSA Gene 1100 workstation was developed as a complete walk-away solution for all genomic workflows. It features an 8-channel pipetting head to enable the high throughput demanded by NGS technologies, but offers the flexibility to handle other tasks such as library normalization and sample pooling via the single channel function of the head. Aurora has worked to streamline the library preparation process by offering unique features such as the magnetic bead vortex, the magnet/shaker elevator, and the 96-tip aspirator. These modules were designed with the goal of reducing library preparation time while improving sample recovery and consistency.



**VERSA Gene 1100 Liquid Handling  
Workstation**

## Features and Benefits

- Magnetic Bead Vortex – ensures homogeneous distribution of beads
- ReagentDrop – dispenses bulk reagents such as water and wash buffer without the use of pipette tips
- 96 Tip Aspirator – removes waste from entire plate at once, reducing amount of consumables
- Heater/Shaker – incubates samples up to 95 degrees Celsius and re-suspends beads in one singular module
- UV HEPA filtered hood – ensures no free floating DNA eliminating cross contamination
- Open System – compatible with diverse kit chemistry and labware

## Applications

### Genomic

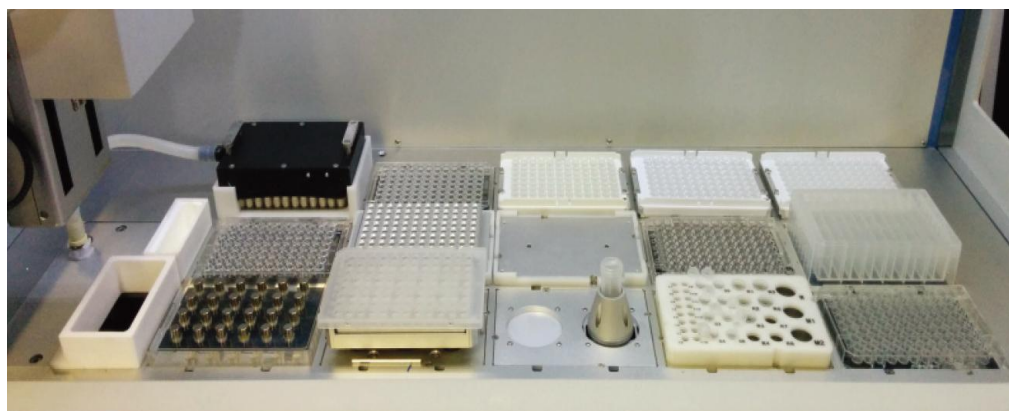
- NGS Library Preparation
- DNA/RNA purification and cleanup
- DNA/RNA fragment size selection
- Enzymatic reaction setup
- Library normalization and pooling
- Single and multiplex real-time PCR setup
- Sequencing reaction setup
- Oligo-based gene synthesis plate setup
- Magnetic bead based applications

### General Liquid Handling

- Cherry picking/reagent and sample pooling
- Plate transfer, replication and reformatting
- Serial and parallel dilution
- Mastermix Preparation and distribution

# Liquid Handling Automation for your protocols

At Aurora we believe that automation should give you the freedom to walkaway from your protocols. Our dedicated team of engineers and researchers work closely with each client to determine the best solution to fit their needs. The VERSA series are built to meet your specific requirements, and our diverse array of modular adaptors and accessories offer the flexibility to perform almost any laboratory application.



## Sample VERSA Gene 1100 Deck Layout

Modules and Adaptors include:

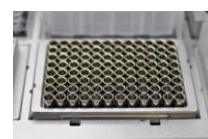
- ReagentDrop bulk dispensing system
- Reagent and plate temperature control from 4-90°C
- 96-channel pipetting head
- Dual direction orbital shaker
- Magnetic blocks
- 96-tip Aspirator
- Magnetic bead vortex



**Reagent Block**



**Shaker**



**Magnetic Block**



**Plate Cooler  
/Heater Block**



**Sample  
Tracking**



**Bead Vortex**

## Specifications

	Basic Configuration	Recommended Configuration
Syringe Pipettor (Disposable Tips)	8-Channel	8 or 96-Channel
ReagentDrop Channels (Multiple Reagents)	Up to 8	8
Liquid-Level Sensing	Optional	Optional
Plate Shaker	1	1
96-Tip Aspirator	1	1
Temperature Regulation Block	2	4
Reagent Cooling Block	1	1
Magnetic Block	Magnetic Block	Magnetic Block
Plate Gripper	Included	Included
HEPA/UV/Fluorescent Light Enclosure	Optional	Included
Length	98.5cm/38.8 in	98.5cm/38.8 in
Depth	75.2cm/29.6 in	75.2cm/29.6 in
Height	89cm/35 in	108.2cm/46.2 in
Weight	162kg/357lbs	225kg/496lbs
Deck Capacity	15	15

*Note: Instrument Specification may change without notice as an ongoing effort of product improvement*