

Robotic Tube & Vial Handling System

Sorts, scans and weighs test tubes



XL100 Vial Handling System

Robotic test tube handling system

- Automated vial weighing
- Work list based operation
- Flexible robotic integration
- Scans and decodes both 1D and 2D barcoded vials and tubes
- Easy-to-use LIMS integration

Sample Management System Applications

- Compound Sample Management
- Genomic Biobanks
- Drug Discovery Laboratories
- Combinatorial Chemistry Labs

Features

- 20 SBS rack capacity
- 1D/2D scan from side of vial
- 2D scan from bottom of vial

Balance Options

- 4-Place balance (0.1mg)
- 5-Place balance (0.01mg)

Special Features

- Intelligent pick head adjusts to tube size
- Encoder based robotics

Test Tube & Vial Compatibility

- Standard 96 tube rack (1mL to 1.4mL)
- Vials up to 18mm in diameter
- Tubes/Vials up to 100mm in overall height

Future Options

- Screw cap de-capping station
- Liquid handling capability
- Thermal blocks for frozen samples

www.biomicrolab.com

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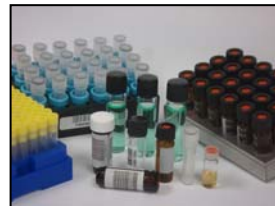
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XL100 Vial Handling Instrument

XL Series Comparison Chart

	XL100	XL20	XL9
Speed Tubes/Hour	300	900	900
Capacity (SBS Plates)	20	18-20	7-9
Compatible vials	1mL - 16mL (please inquire)	300uL - 1.4mL	300uL - 1.4mL
2D Barcode	Yes	Yes	Yes
1D Barcode	Yes	No	No
4-Place Balance	Yes	Yes	Yes
5-Place Balance	Yes	No	No
Cold Room (+4°C to -4°C)	TBD	Yes	Yes
Cold Blocks	Yes	Yes	No
Price Range	\$50K+	\$25K+	\$20K+
Dimensions	40" x 26.5" x 28"	28.5" x 21" x 16"	18" x 17" x 16"

XL100 Automation Options



Vial & Tube Racks



4 or 5-Place Balance

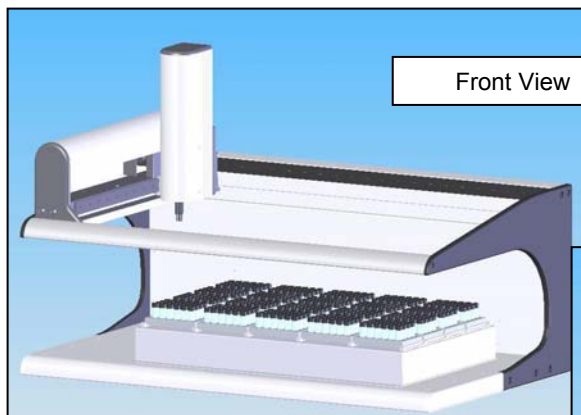


2D Barcoded Tubes



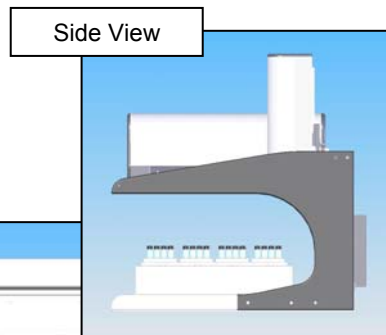
1D Barcoded Vials

XL100 Vial Handling Instrument

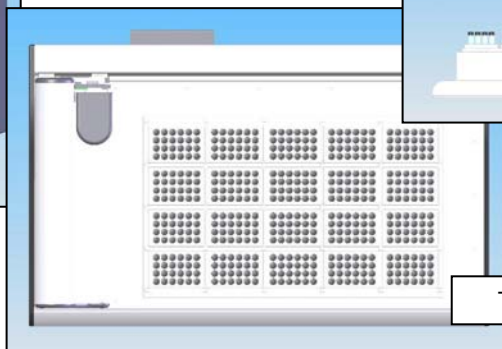


Front View

Dim: 40"W x 26.5"D x 28"H



Side View



Top View

XL100 Configurations

- XL100 Vial Sorter - 1D barcode reader
- XL100 Vial Sorter - 2D barcode reader
- XL100 Vial Sorter - 1D barcode reader and balance

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