

## Hummingbird™ Technology

Fast. Capillary Based. Plate Replicator and Reformatting System.



The proprietary Hummingbird technology involves sipping of sample from a source plate using narrow-bore glass capillaries followed by dispensing with a pulse of air. **Dispense volumes range from 25 nL to 1000 nL** per transfer. The interchangeable cassette holds 96 or 384 replaceable capillaries in a format to fit a SBS microtiter plate. **Hummingbird** can be controlled via PC and **easy to use software**, or integrated with a larger system through an ActiveX interface.

**Hummingbird systems provide fast, highly parallel non contact dispensing** and transfer of compounds for assay assembly. **Hummingbird** transfers compounds from master plates to daughter plates for screening. **Hummingbird** can also be used for reformatting compound libraries from low density (96/384), to high density (384/1536) microtiter plates.

### Key Benefits

- Non Contact
- No Sample Wastage
- Fast
- Easy to Use Software

## Design Specifications

**Dimensions** 22" W x 15" D x 19" H (0.56m x 0.39m x 0.49m)

**Power Requirement** 110/220 VAC; 50/60 Hz

## Dispensing Specifications

**Dispense Modes (source to destination)** Plate Duplication; Plate Replication; Plate Reformatting

**Dispense Accuracy** < 10% CV for all cassette volumes

**Air Pressure** < 20 psi

**PC Control** Easy to use PC controlled software

**Speed** < 30 seconds to transfer Source Material to Destination Plate

## Hummingbird Instruments

### Benchtop

**6HUBRDXL-96**  
**6HUBRDXL-384**



Hummingbird Benchtop System

- 2 Active Plate Positions
- Integrated Wash/Vacuum Station
- Vacuum Pump
- Air Compressor
- PC or Integrated Software Control

### Automated

**6HUBRDTXL-96**  
**6HUBRDTXL-384**



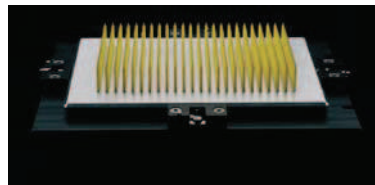
Hummingbird Benchtop System  
Integrated with a Twister II Plate Handler

- 2 Active Plate Positions
- Integrated Wash/Vacuum Station
- Vacuum Pump
- Air Compressor
- Twister II with 6 Plate Hotels
- PC or Integrated Software Control

### Instrument Options

#### Dispensing Cassettes:

- 96 Capillary Format (25, 50, 100, 250, 500, and 1000)
- 384 Capillary Format (25, 50, 100, 250, 500, and 1000)



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