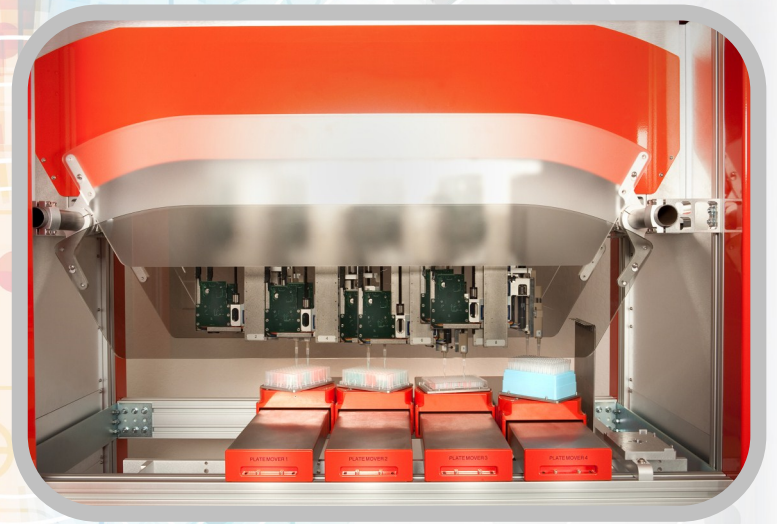


BumbleBee™ SAMPLE HANDLER

BioNex
Solutions Inc.

- *Fast transfer rates as low as 3 seconds/sample*
- *Simplifies complex sample reformatting*
- *Customizable configuration for optimal throughput*
- *Compatible with plates, tubes, vials, mixed formats*



BumbleBee Sample Handler

The BumbleBee (U.S. Patent 9,459,272) is an innovative sample handler designed to excel at the most complex sample transfer applications. Primarily designed to be integrated with BioNex Solutions' Hive™ Automation Platform, the BumbleBee's independent channels and rotating sample translators enable fast, simultaneous picking-from and placing-into any location on the sample deck.

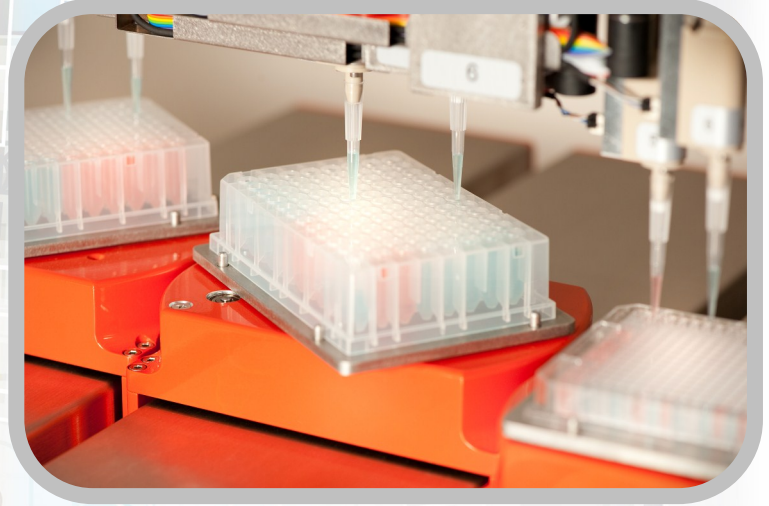
The BumbleBee configuration is customizable, allowing for application based optimization. For example, transfer of liquid samples from a source

plate to a destination plate, any well to any well, can be continuously sustained with transfer rates as low as 3 seconds/sample. Source and destination plates can be changed on the fly during pipetting. This facilitates unheard of performance in hit picking or cherry picking samples in plate based applications.

The BumbleBee is also capable of performing tube, vial and other sample format picking or reformatting.

Key Features and Benefits

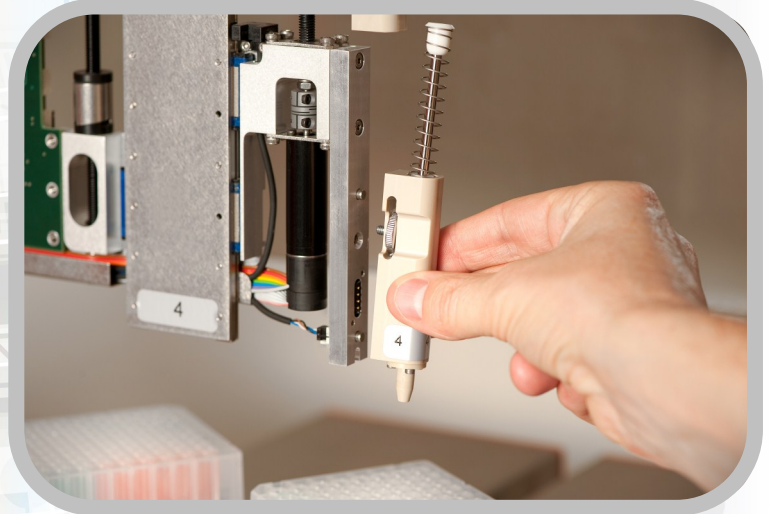
- Fully independent channel and plate movement for speed and flexibility in all dimensions
- BioNex Synapsis software optimizes workflow for optimal throughput
- Customizable deck for sample handling applications (shakers, stirrers, magnetic bead adapters)
- Compatible with 96, 384, 1536 ANSI/SBS plates, tube racks and consumables
- Adaptable to non ANSI formats



Pipette Channels

Liquid Handling

- Volume range 0.5–700 μL with <5% CV, disposable tips
- Disposable or fixed tips, tip shucking and washing
- Exchange source and destination plates whilst pipetting
- Failure tolerant, independent pipetting channels
- Unique channel identification and cycle monitoring
- Snap on and off (<60 seconds) pipet/syringe modules
- Software adaptive error recovery



Removable Syringe with Easy Thumbscrew

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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