

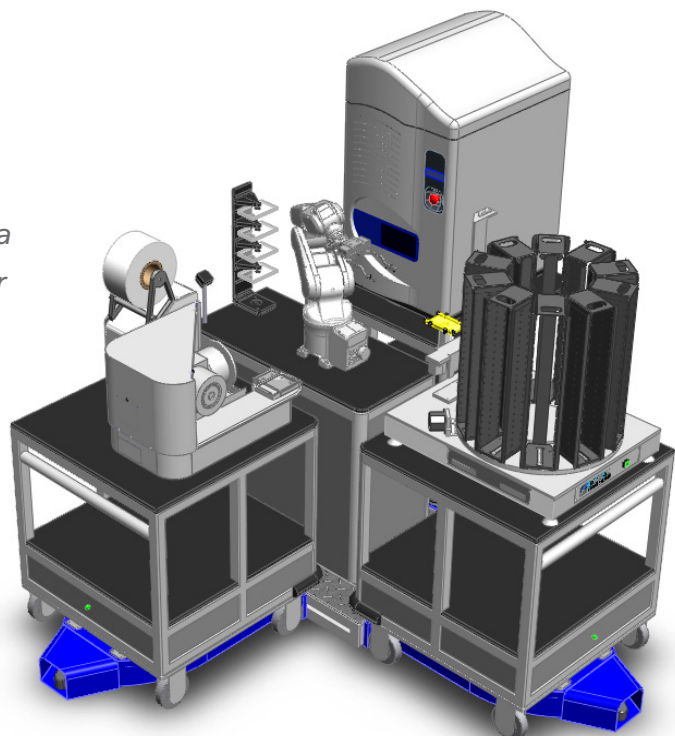
A Compact, Modular System for Compound Delivery

Acoustic dispensing technology has emerged as the best practice for transferring compounds in DMSO directly to assay plates without risk of compromise to them. Loading and unloading plates from these units by hand, however, is a repetitive and time consuming task that limits overall lab productivity. Use of an automated robotic cell is the optimal way to increase productivity and provide hours of unattended operation.

HighRes' NanoCell offers a unique solution: on top of being a highly reliable, industry-grade robotic cell, NanoCell also uses the HighRes MicroDock to offer researchers a high level of operational flexibility. The system is ideal for researchers seeking a flexible and sustainable return on their hardware investment.

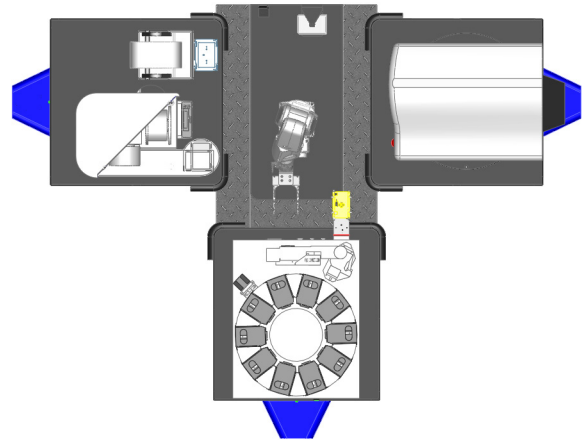
Key Components:

- **A random access plate hotel** feeds master compound and destination plates in and out of the system
- **An acoustic dispensing unit** allows for direct transfer of compounds, cherry picking, or dose-response creation
- **An automated heat sealer** seals prepared destination plates
- **An automated heat seal remover** prepares master compound plates for use
- **A barcode reader** tracks master compound and destination plates as they move through the system



**Compound Delivery –
NanoCell Inventory List:**

- 1 x Denso Robot
- 1 x Random Access Plate Hotel
- 1 x Acoustic Dispensing Device
- 1 x Automated Heat Sealer
- 1 x Automated Heat Seal Remover
- 1 x Barcode Reader
- 1 x Lid Hotel



NanoCell with HighRes MicroTeach – Automated Robot Teaching

System Advantages:

Flexible and Compatible – Since NanoCells are compatible with larger HighRes systems, simply use HighRes’ modular docking technology to transfer materials and equipment from a NanoCell to a separate HighRes system – smoothly, quickly, and intact.

Reliable — and yet Compact – Rely on industry-grade lab automation, over a very small footprint. The maximum dimensions for this system are 8 feet 2 inches long by 6 feet 3 inches wide.

Expandable – Link one NanoCell to a second one at a later date to expand your system. Relying on Cellario (HighRes’ scheduling software), used in conjunction with plate exchange stations, pass plates from one NanoCell to the other as part of one integrated process.

Sustainable – As requirements change and technology evolves, simply undock obsolete instruments from the system and swap them for new ones. The old instruments can always be docked into the system again if needed.

The Building Blocks for Discovery.

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