



Fluent<sup>®</sup> Laboratory

Automation Workstation for  
compound management.

STREAMLINE YOUR WORKFLOW WITH IMPRESSIVE SPEED AND FLEXIBILITY



# Designed specifically for compound management.

Tecan's innovative Fluent platform brings exceptional speed and flexibility to plate formatting and copying. Throughput and accuracy are paramount, so we've engineered a compact automation solution with three arms that work in parallel across a Dynamic Deck™ offering extensive plate capacity.





### 1 MAXIMIZE PRODUCTIVITY IN A COMPACT FOOTPRINT

- High-capacity Stacker or random access Carousel for plates and nested disposable tips
- **Dynamic Deck** is easily configured and reconfigured for plate reformatting, hit picking, tube-to-plate transfers, plate stamping and more

### 2 HIGH PIPETTING PRECISION AND ACCURACY

- Plate replication and serial dilutions below 0.5  $\mu$ l
- Flexible Channel Arm works with fixed or disposable tips, **Liquid or Air displacement pipetting** and dual arm ability offers combinations of all abilities in a single process
- Fixed tips allow sample integrity through piercing
- System priming with DMSO for fast dispensing

### 3 OPTIMUM SPEED AND EFFICIENCY FOR EVERY ARM MOVEMENT

- Patented **Path Finder™ technology** automatically calculates the shortest and fastest path for all arms and adjusts to changing deck conditions, such as plate or tip stack heights
- Teach free for most common plate formats e.g. 96 or 384 well plates
- **Zero-G** one-touch teaching for third party devices

### 4 SMART AND SIMPLE OPERATION WITH FLUENTCONTROL™ SOFTWARE

- **Touchscreen** for daily operation
- Worklisting and barcode reading to define hit picking protocols for the Flexible Channel Arm
- Simple, single line **Smart Commands** take care of common activities, making it faster and easier to generate basic protocols such as filling a plate, or series of plates, with a reagent from a tube or trough

### WORKING IN A REGULATED ENVIRONMENT?

Fluent Gx Assurance software offers a logical extension of essential features that enables the use of the Fluent in regulated laboratories. Features include user management, method approval, audit trail, sample tracking & compliance checker. For more information refer to the FluentControl Software brochure.

- **3D simulation** enables safe runs without risk or waste of valuable compounds
- **Method Recovery** ensures piece of mind by re-instating an interrupted process e.g. caused by power outage

### 5 PERFORMANCE-OPTIMIZING MULTIPLE CHANNEL ARM

- Automatic head adapters exchange between **96- and 384-channel** fixed and disposable tip formats
- Row- and column-wise pipetting and multiple tip arrays to suit any application

### 6 VERSATILE PLATE AND TUBE HANDLING

- **Robotic Gripper Arm** provides rapid, smooth movement of plates between the workdeck, storage modules and third party devices, e.g. flatbed 2D readers or sealer
- Tube fingers allow efficient tube, vial or bottle handling
- Unique **Finger Exchange System™** swiftly changes gripper fingers automatically to allow increased walkaway automation with simultaneous use of a wider range of devices

### 7 ENHANCE PROCESS SECURITY, AUDIT TRAILS AND RELIABILITY

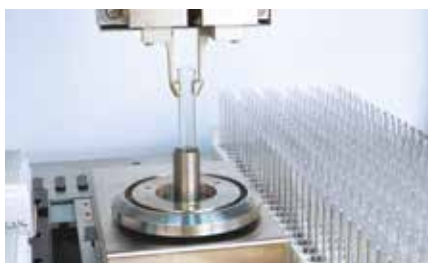
- 1D and 2D barcode reading capabilities
- Fully integrated and automated scanning of microplates and 2D bottom-coded tubes for simple sample tracking

# Optimal capacity. Optimal throughput. Optimal results.

## The optimal way to manage compound management

### Compound dissolution

Weighing and  
DMSO addition



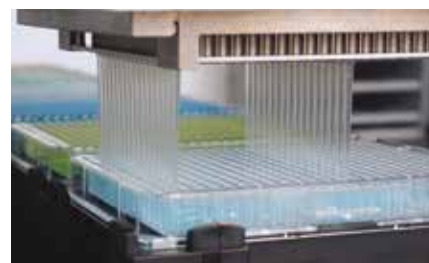
### Library maintenance

Reformatting  
Tube-to-plate transfers



### Assay plate preparation

Daughter plate generation  
Hit picking  
Serial dilutions for IC<sub>50</sub>/EC<sub>50</sub>



## DISCOVER THE FLUENT LABORATORY AUTOMATION WORKSTATION FOR COMPOUND MANAGEMENT

To see Fluent in action and learn how it speaks the language of your laboratory,  
contact your nearest Tecan office or visit [www.tecan.com/fluent](http://www.tecan.com/fluent)

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