

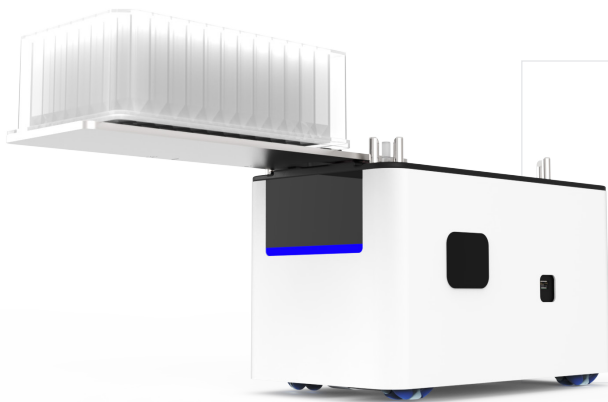
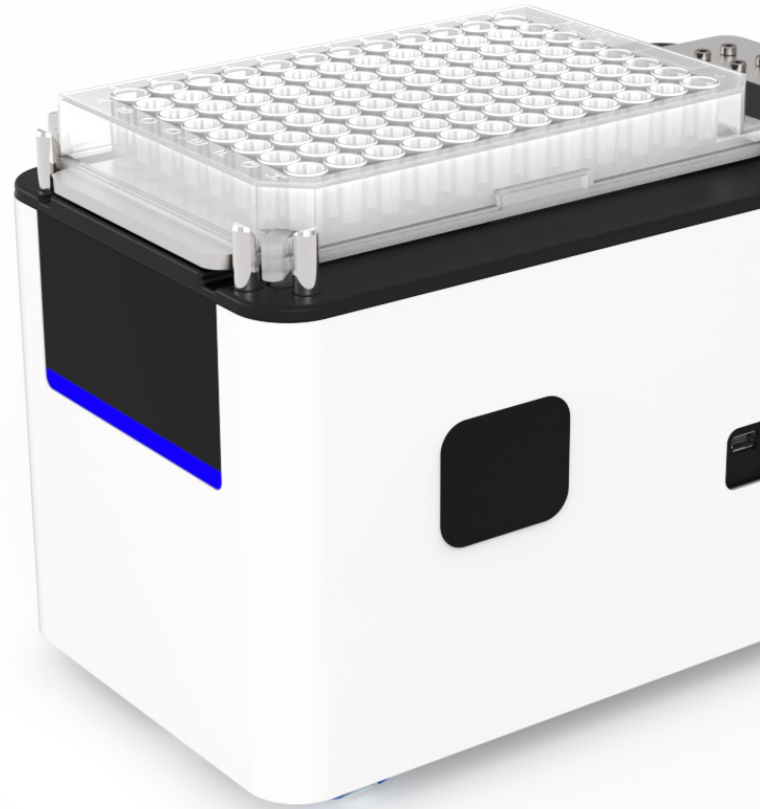
# ROVER™

## Autonomous Plate Handling for Lab Automation

The ROVER™ Laboratory Automation Platform from FORMULATRIX utilizes autonomous “cars” to move microplates and other labware from instrument to instrument in your research lab. The machine vision equipped Rovers navigate throughout virtual maps providing researchers with an infinitely scalable integration solution.

The Rover automation platform allows for efficient use of lab space, and is easily expandable as needs change and grow. Rovers can drive on tracks suspended from the ceiling, coupled with elevators, allowing plates to be transferred between instrumentation without occupying floor space. The adaptive and dynamic traffic management software enables easy integration over a simple API.

Rovers self-navigate within a defined laboratory space, utilizing downward facing cameras and barcode encoded mats. The need for precise calibration is eliminated by utilizing real time visual alignment when a Rover interfaces with an instrument during plate transfers.



### Specifications

- Size: 186 mm x 105 mm x 116 mm
- Weight: 2 kg
- Battery Life: 3 hours
- Average Travel speed: 300 mm/s
- Load weight: up to 0.650 kg

**Preliminary Product Specifications - Subject to Change**

For more information about the ROVER, visit us at [www.formulatrix.com](http://www.formulatrix.com) or email [info@formulatrix.com](mailto:info@formulatrix.com)