BIOSERO

Laboratory Automation & Robotics

Biosero, Inc. is a premiere resource for integrated solutions to automate laboratory workflows for the life sciences. We participate in projects of all sizes, from small WorkCells to large multi-system WorkCells for academic, biotechnology and pharmaceutical organizations. Green Button Go, our automation and scheduling software, has the widest set of peripheral device drivers and is the backbone of all our WorkCells. Biosero has it's own line of instruments and consumables and has strategically partnered with businesses that specialize in automation so we can provide you a complete workflow solution.

AUTOMATED WORKCELLS

Custom WorkCells

Whether your workflow challenges are simple or complex, Biosero can develop a robust automated solution for you. By using Green Button Go Automation Scheduling Software as a foundation, our WorkCells are flexible and customizable. Our hardware agnostic approach ensures our WorkCells incorporate the best devices to meet your needs. With over 60 man-years experience of integrating life science instrumentation, Biosero has a track record of designing automated solutions that work the way our customers do.

Standard WorkCells

Biosero has a variety of standard WorkCells to automate laboratory workflows. Examples are assay ready plate preparation, microplate loading/unloading from instruments (e.g., microplate readers, PCR systems, etc), plate labeling and other common laboratory bottlenecks. Additional capability can be easily added to these WorkCells as your needs grow.

Green Button Go Software

Automation and scheduling software for integrating laboratory workflows. Green Button Go is designed to be simple and intuitive to use. It features superior usability, error recovery, and has a wide portfolio of peripheral device drivers to accommodate a wide range of instrumentation

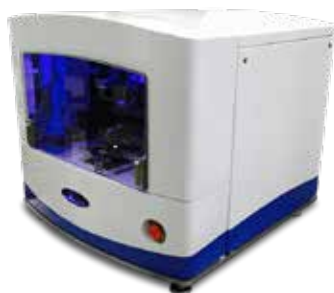# TUBE HANDLING & SAMPLE IDENTIFICATION

BioCap - 96

Automated capping and decapping solution for 96 screw cap tubes using SBS format racks. Available to integrate or use as stand-alone unit.

Handheld Decapper/ Recapper

Semi-automated, handheld single-row decapper/recapper. Compatible with SBS format racks of 96 tubes.

LIQUID HANDLING

Transfer Track software is configurable to work with the ATS and other automated liquid handlers including acoustic dispensers.

ATS

Non-Contact Acoustic Dispensing. Capable of 1 nl to 10 µl+ transfer volumes. Dispense into 384, 1536 and 3456 well plates or produce arrays.

Transfer Track

Liquid Mapping Software. Used for cherry picking, plate to plate transfers, serial dilution, and other custom applications.

Tube Dowser

Provides a non-invasive method of measuring hydration to within 1% accuracy.

MICROPLATE SEALING

Wasp & Chameleon

Automated Thermal Microplate Sealers. Integrate into automated WorkCells or use as stand-alone units.

E-Fly2 & eSeal

All-Electric, Automated and Semi-Automated Microplate Sealers. Integrate or use as stand alone units. (E-Fly 2 is for desktop use only).

KAPS-500

Automated Adhesive Plate Sealer. Provides ambient temperature sealing of SBS format plates.

Samples

Intuitive sample management software. Integrates with BioRead 2D barcode scanners and DataPaq™ identification software.

DataPaq™

Sample identification control software for BioRead rack scanners. Designed specifically for 2D barcoded tubes.

Handheld Scanner

The DataPaq Handheld Scanner is an intelligent and fully portable 2D barcode reader for single tubes.

BioRead - Express

High Speed Rack Reader. 1 Second capture time. The footprint is only marginally larger than SBS racks, making it ideal for robotic integration.

BioRead - Cube Scanner

2D barcode scanner capable of scanning all formats of tube racks. Handles SBS format racks and liquid nitrogen storage boxes.

BioRead - S2

Single Tube Scanner. Available with Cryoprotection™ option to prevent condensation from cryogenically stored samples.

BioRead - A6

High Speed Single Rack Scanner. Available with Cryoprotection™ and optional 1D barcode rack scanner.

BioRead - A4

Multirack Reader. Scans up to 4 racks at once. Available with Cryoprotection™ and optional 1D barcode rack scanners.

BioRead - AV6

Deep Focus Single Rack Scanner. Reads tubes at varying focal lengths. Available with Cryoprotection™ and optional 1D barcode rack scanner.
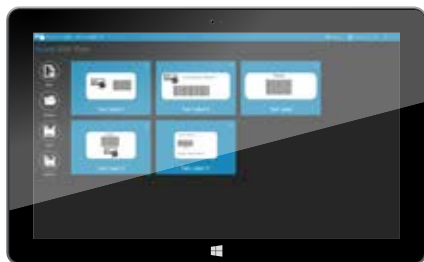
CryzoTraq

2D barcoded cryovials. Automation friendly. Available with internal or external cap threads. 2 ml and 5ml volumes available.

Labels & Ribbons

Specialty microplate and tube labels for biomedical, biotech and biopharmaceutical laboratories.

Ready Label

Design and print custom labels using our simple but flexible, touch optimized label design software.

Gecko & eGecko

Microplate & Petri-Dish Labeler. Electric & pneumatic versions available. Capable of printing and applying labels to all 4 sides of a microplate.

Automation Enclosures

Enclosures designed to Class II Biological Safety Cabinet Standards. They provide optimum personnel and environmental protection from aerosols and particulates associated with the use of automated WorkCells.

SEAL AND DESEAL TAPE

Thermal/Heat Seals

Airtight, chemical resistant seals. Prevents, evaporation, condensation, oxidation and cross-contamination.

Adhesive/Pressure Seals

Seals that adhere to all types of plastics. Easily peel away each seal without compromising the contents in each well.

DeSeal Tape

Seal removal tape that is compatible with all desealing devices.