

RORZE Lifescience Inc." which is a group company of RORZE has been consistently engaged in designing, developing, manufacturing, selling and supporting automated equipment and facilities that are used in the fields of regenerative medicine, cell handling, and drug discovery research. For further details, please contact RORZE Lifescience Inc.

Examples of products used in the field of regenerative medicine

■Fully automatic media exchange system, Cell Farm (L)



The system connects the incubator with automatic medium exchange function (CellKeeper) and automatic cell imaging unit (CellShot) with our proprietary high-

performance transport system to realize automated media exchange and observation in the cell culture process.

■Cell culture unit with media exchange function CellKeeper



All-In-One system for automation of cell culture process, integrating SCALE 120 equipped with a robot for loading and unloading consumable for cell with fully automatic medium exchange function and dedicated scheduler. It's also eliminate holiday work.

■Cell Imaging Unit CellShot



Cell Imaging Unit customized "Bio Studio", a phase contrast microscope manufactured by Nikon for the management of automated culture process. It can acquire the state of cells during cultivation as a microscopic picture, and it also supports automation.

■Loading and Unloading Robot mounted Incubator SCALE 48



Compact version of robotic CO₂ Incubator SCALE 120, an innovative automation solution that thoroughly resolved the weaknesses and disadvantages of

conventional products.

By combining it with other machines, including multistage stacking, we will make it more extensible as a coordination system.

■Loading and Unloading Robot mounted Incubator SCALE 120



An innovative automated friendly robotic CO₂ incubator that completely eliminated weaknesses and disadvantages of conventional products.

Minimum opening random

access slot, reliable temperature control, all electric parts out of chamber, dry heat sterilization compatible, integrate with other equipment.

■Twist Decapper



Decap / recapper that opens and closes at the same time while keeping the screw cap of 96 tubes in the rack, which is used for cell storage and transport. 48 tube rack

version is also available by selecting the head.

Examples of products used in the field of drug discovery research

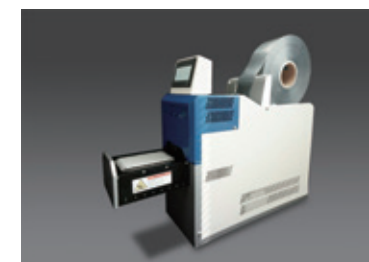
■Twist Incubator



Integrated the heating and cooling function (using Peltier device) and shaking in a compact design. The temperature setting / shaking speed can be set by RS232C

communication. It can be placed on the deck of the liquid handling unit, and the pharmacokinetics and safety test can be automated by dry environment control. Temperature control performance $\pm 0.5^{\circ}\text{C}$, with reagent temperature profile correction function.

■Heat Sealer



Auto sealer that efficiently sealing a low temperature weld seal of 110°C to the microplate. By lowering the temperature and minimizing the sealing time, sample damage in

the plate and plate damage can be suppressed. It can be used as a standalone machine, as well as stacker options and system integration.

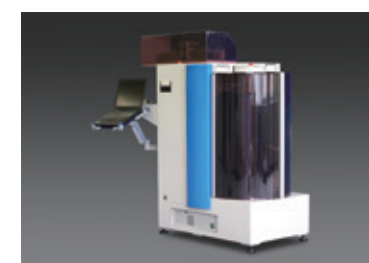
■Power Sealer



A plate sealer compatible to an adhesive seal for HTS automation, automatically cuts the seal from the long roll and pastes it on the microplate. You can process a wide variety of plates

continuously. (Automatic Thickness Measurement and Adjustment of Plate) High throughput of 15 seconds per sheet.

■VariPort / VariStock



Slot cartridges (corresponding to random access) and stack cartridges (stacked plates loaded with plates) can be mixed. Up to 8 cartridges can be mounted.

Automatically recognizes cartridges corresponding to various kinds of laboratory wares (shallow plate, deep well plate, chip box etc) and prevents mistakes. In addition, the combination of laboratory ware can be freely settable.

■AsuRa to centralize and automate all cell culture process



New culture process scheduling software package developed to manage and operate the cell culture process. All modules that make up the automated system can be controlled in an integrated manner, and the conditions and progress of the cell culture process can be managed for each cell culture plate.

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