Automated laboratory solutions
e-catalogue 2022

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KBIOSYSTEMS

Welcome to the Finneran Kbiosystems automated laboratory solutions e-catalog. Kbiosystems has been providing automation to the life science, plant and animal science, biofuel, diagnostic automation, optical lens manufacturing and automotive sectors since 1991.

This catalog demonstrates our range of blowdown evaporators, plate sealers, plate handlers, barcode applicators, colony pickers and PCR automated thermal cyclers. All products are fully designed, engineered and manufactured by Kbiosystems.

For further information on any of our products, please call us at (856) 696-3605 or email sales@jgfinneran.com

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Minivap® Manually Conrolled Nitrogen Blowdown Evaporator

The Minivap is designed for low usage research and development departments where low numbers of individual plates or vials need drying. The Minivap is simple to operate and maintain. Installation requires only connection to a gas supply and standard power supply. With manual control of the needle depth, gas temperature and flow rate, it allows fine control and quicker drying times than other standard methods.

- Quicker dry down times than standard methods such as vacuum oven.
- Tests have shown that the Minivap can evaporate 500µL of methanol in less than 6 minutes.
- Designed for any ANSI/SLAS 96-well plate.
- Available in 24-, 48- and 96-needle configuration.
- Simple to install and operate.
- Easy adjustments of temperature, gas flow rates and needle depth.
- Compact footprint – fits all standard fume hoods.

Width	180mm, 241mm including adjustment knobs
Depth	380mm
Height	382mm
Power requirement	110-220 VAC
Product No.	250-10013

Minivap® Gemini® Manually Conrolled Nitrogen Blowdown Evaporator

A two-position nitrogen blowdown evaporator for the budget-conscious laboratory. The robust design of the Minivap Gemini brings together two individually temperature-regulated evaporation positions with a wide choice of head styles and configurations. This means you can dry down a 96-well deep well plate at the same time as 48 HPLC vials. This breakthrough in productivity will speed up the evaporation bottleneck in your laboratory, increase the sensitivity of your analyses and quicken sample processing times.

- Ability to drydown two microplates at the same time.
- Increase workflow by having two different drydown set-ups on one unit.
- Quicker dry down times than standard methods such as vacuum oven.
- Tests have shown that the Minivap can evaporate 500µL of methanol in less than 6 minutes.
- Designed for any ANSI/SLAS 96-well plate.
- Available in 24-, 48- and 96-needle configuration.
- Simple to install and operate.
- Easy adjustments of temperature, gas flow rates and needle depth.
- Compact footprint – fits all standard fume hoods.

Width	321mm, 381mm including adjustment knobs
Depth	365mm
Height	381mm
Power requirement	110-220 VAC
Product No.	250-10051

Ultravap® Levante® Automation-ready Blowdown Evaporator

The Ultravap Levante is the entry-level into the automation of nitrogen blow-down sample concentrators and evaporators. The Levante series of robot-ready, integration compatible evaporators meet the needs of the modern laboratory. Now you get full-color touch screen graphic display and optional fume venting with plug-in fan module. Combined with real-time run displays, showing actual gas temperature, gas flow rate and stage height, the Levante puts you more in control of the evaporation process.

The Levante uses a standard ANSI/SLAS plate "nest" to accept most microplate formats and tube racks. It can accommodate tubes up to 80mm in height in a variety of configurations, 2 Dram vials, 1.5mL HPLC vials, bar-coded tubes in racks and many other common formats. Evaporator heads are made to match these formats in 12-, 24-, 48-, 96- and 384-well configurations. A built-in fume duct and optional fan unit is available to speed solvent vapor removal away from the plate, thus increasing the evaporation rate further.

- Robot-compatible dry down station for LCMS applications.
- Intuitive graphical color touch-screen display.
- Up to 5 stored evaporation programs.
- Up to 3 programmable steps per method.
- On-board gas management.
- Remote control from PC option.
- RS232 connection with full remote control command set.
- Reversible screen for integration at side of robot.
- Built-in fume management and optional duct connector.
- Choice of 12-, 24-, 48-, 96- and 384-well heads.
- Small footprint to fit in your hood.
- Eco-mode extends the life of the heater and fan, if fitted.

Width	196mm
Depth	435mm
Height	455mm
Power requirement	110-220 VAC
Product No.	250-10049

Ultravap® Mistral® Fully Automation-ready Blowdown Evaporator

The Ultravap Mistral is the most sophisticated automation-friendly model yet, giving significant throughput advantages to laboratories looking to optimize microplate sample preparation. Significant increases in sample throughput are achieved through advanced head technology and innovative manifold, which directly injects heated nitrogen into each microplate well simultaneously. This CE-marked compact unit fits into all fume hoods and boasts full integral fume management within the unit. It has been designed in close co-operation with the leading suppliers of laboratory liquid handling robots and is suitable for integration directly with manufacturers' robots, such as: Hamilton Robotics, Tecan, Perkin Elmer, and Beckman Coulter.

The Mistral offers a plate shuttle which can serve and retrieve plates from the deck of most liquid handlers. The unit is usually located on the right-hand side of the robot deck. Control commands are sent directly from the robot controller to the Mistral. These standard commands are listed in the manual, but most robot manufacturers have drivers available to control the Mistral, making integration a seamless process.

- Fully liquid handling robot-compatible dry down station.
- Plate shuttle sends/retrieves plates from robot deck.
- Adjustable shuttle position and height.
- Intuitive graphical color touch screen display.
- Up to 15 stored evaporation programs.
- Up to 5 programmable steps per method.
- Primary & multiple secondary configuration supported.
- Remote control from PC option.
- Reversible screen for integration at side of robot.
- Built-in fume management and duct connector.
- Choice of 12-, 24-, 48-, 96- and 384-well heads.

Width	182mm
Depth	435mm, 674mm with shuttle fully extended
Height	4551mm
Power requirement	110-220 VAC
Product No.	250-10045

Ultravap® Mistral® XT150 Fully Automation-ready Blowdown Evaporator

The Ultravap Mistral XT was designed specifcally for handling tubes requiring the blowdown evaporator process. Similar to it's "little sister", the Mistral XT comes with all of the features of the Mistral. This includes the plate shuttle, to better access tube racks with laboratory robotic systems, the ability to "daisy-chain" multiple units together in order to increase laboratory efficiency, storage of multiple drydown methods, an easy-to-read and understand control touchscreen, and many more sophisticated automation-friendly features.

- Fully liquid handling robot-compatible dry down station.
- Tube holder shuttle sends/retrieves holders from robot deck.
- Adjustable x- and y-axis shuttle position and height.
- Intuitive color touch-screen display.
- Up to 15 stored evaporation programs.
- Up to 5 programmable steps per method.
- On-board gas management system.
- Evaporation temperatures up to 80°C.
- Primary and secondary configuration supported.
- Remote PC control option.
- Reversible screen for integration with robotic systems.
- Built-in fume management and duct connector.
- Custom needle heads to support a multitude of tubes.
- Small footprint to fi t in your hood.
- Energy-saving ECO mode extends heater and fan life.
- LED lights for visibility of samples.
- PAUSE mode option.

Width	182mm
Depth	450mm, 674mm with shuttle fully extended
Height	740mm
Power requirement	110-220 VAC
Product No.	250-10045-XT

Ultraseal™ PRO Automated heat-applied microplate and tube rack sealer

The Ultraseal PRO is an automated heat-applied microplate and tube rack sealer. The unit uses a roll of surface modified aluminum or plastic film, approximately 78mm wide and 610mm long. The roll is positioned to the rear of the sealing section via a removable stand. Using a total in-line method, the film is pulled through the main unit, cut to between 125mm and 130mm lengths, and applied to the plate top surface to create a seal between plate and film.

- Automated heat-applied microplate and tube rack sealer.
- Uses a roll of surface modified aluminum or plastic film.
- Works with a wide range of plates, tube racks and custom applications.
- Seals support polystyrene, polypropylene and CoC & CoP plate formats.
- Both pneumatically and electrically operated.
- Gas Purge option available.
- Automatic plate shuttle ejection when timed seal is completed.
- Combined temperature and seal time display.
- Compressed air required.
- Sealing operation: Approximately 6 plates per minute.

Width	195mm
Depth	630mm
Height	450mm
Power requirement	110-220 VAC
Product No.	250-10069

Ultraseal™ ePRO Totally electrical operation plate sealer

Featuring all-electric operation, the Ultraseal ePro removes the risk of cross-contamination inherent in compressed air powered sealers. The use of force-sensors allows dynamic feedback during the entire sealing process to ensure a complete homogenous seal. All operations are controlled through an intuitive touchscreen interface. Capable of handling foil lengths between 116mm and 128mm, the ePro automatically compensates for variations in plate heights.

- All electric operation, removing the risk of cross-contamination inherent in compressed air powered sealers.
- No need for expensive compressed air supply.
- Intuitive touchscreen user interface.
- Variable foil length capability: 116mm to 128mm lengths.
- Closed-loop seal force monitoring and control system.
- Sealing force tolerance allows the force applied to be defined.
- Closed-loop controlled sealing temperature.
- Tool-free sealing foil loading.
- Gas permeable films can be processed.
- Automatically compensates for plate heights.
- User-defined variable seal time and pressures via screen or comm.
- Quieter than conventional pneumatically driven units.

Width	234mm
Depth	845mm (shuttle out, including film roll)
Height	530mm
Power requirement	110-220 VAC
Product No.	250-10039

Ultraseal™ xtPRO Fully electric, heat applied, microplate and tube rack sealer

The Ultraseal xtPro is an automated heat-applied microplate and tube rack sealer. The unit uses a roll of surface modified aluminum or plastic film, approximately 78mm wide and 600m long. The roll is positioned to the rear of the sealing section via a removable stand, using a total in-line method. The film is pulled through the main unit, cut to between 125mm and 130mm lengths, and then applied to the plate top surface to create a seal between the plate and film. Offering complete versatility, the sealer will work with a wide range of microplates, tube racks, custom applications, shallow and deep well microplate formats, and custom moldings. Our latest range of seals support polystyrene, polypropylene, and Coc & CoP plate formats.

- Able to use multiple manufacturer's plates across applications.
- Supports polystyrene, polypropylene, and Coc & CoP plate formats.
- Easy to program.
- Operator and integrator friendly.

Width	175mm
Depth	625mm
Height	440mm
Power requirement	110-220 VAC
Product No.	250-10011XT

Ultraseal™ coldPRO Automated adhesive plate sealer

The Ultraseal coldPro automates the application of adhesive film to microplates and tube racks. The unit uses a roll of surface modified aluminum or plastic film, approximately 80 to 85mm wide and 200m long. The roll is positioned to the rear of the sealing section via a removable stand, using a total in-line method. The film is pulled through the main unit, cut to between 124mm and 130mm lengths and applied to the plate top surface to create a seal between plate and film.

- Automated adhesive pressure applied microplate and tube rack sealer.
- Uses a roll of surface modified aluminum or plastic film.
- Works with a wide range of plates, tube racks and custom applications.
- Seals support polystyrene, polypropylene and CoC & CoP plate formats.
- Complete solution to application of adhesive and pressure based films.
- Both pneumatically and electrically operated.
- Easy to program.
- Operator and integrator friendly.

Width	125mm
Depth	390mm
Height	270mm
Power requirement	110-220 VAC
Product No.	250-10081

Ultraseal™ LITE Semi-automated heat-applied microplate and tube rack sealer

The Ultraseal LITE is a semi-automated heat-applied microplate and tube rack sealer. The unit uses pre-cut sheets of surface modified aluminum or plastic film, approximately 78mm wide and 130mm in length, applied to the plate top surface to create a seal between plate and film.

- Desktop semi-automated heat-applied plate sealing system.
- Seals SBS format microwell plates.
- Automatic seal plate height adjustment from 9mm to 48mm high.
- Temperature range from ambient to 200˚C.
- User-defined seal time from 0.1 to 9.9 seconds.
- Simple slide operation.
- Automatically ejects plate when timed seal is completed.
- Combined temperature and seal time display.
- 110/220 VAC power compatible.
- No compressed air required.

Width	180mm
Depth	285mm
Height	280mm
Power requirement	110-220 VAC
Product No.	250-10071

Ultraseal™ Autocap PRO
Automated heat-applied microplate and tube rack sealer

The Ultraseal Autocap PRO has been designed to take the strain out of applying friction-fit sealing mats or septum sealing caps to SBS format microplates or tube racks. Simply place your rack or microplate with its associated friction mat or septum cap together in the drawer and push it firmly shut. Select the degree of force to be used and the Autocap PRO takes over by applying the appropriate amount of force to properly seal the mat or caps to the plate or rack. Small enough to fit on most lab benchtops.

- Works with most commercially available septum cap mats.
- Works with 2D-coded and uncoded tubes in SBS format racks.
- Handles friction fit and septum seals for 96-, 48- and 24-tube plates.
- Supplied with 4.5mm and 14mm rack adaptors for PCR plates.
- Alternative rack adaptors available.

Width	130mm
Depth	380mm
Height	280mm
Power requirement	110-220 VAC
Product No.	250-10080

Scorpion   SBS plate handler

The Scorpion series of plate handlers offers the user the ability to step up to automated plate handling with a number of OEM liquid handling systems.

Offering complete versatility, the Scorpion units work with a wide range of plates, tube racks, shallow and deep well microplates.

- Easy to program.
- Operator and integrator friendly.
- Able to use multiple plasticware manufacturers' microplates.
- Robustly engineered.
- Handles plates with or without lids (lid lift optional).
- Direct integration via RS232 link.
- Proprietary firmware and application driver.
- Handles all SBS footprint applications and range of racks.

Width	773mm
Depth	665mm
Height	650mm (full height stack plate range) 325mm (half height)
Power requirement	110-220 VAC
Product No.	250-10024

FINNERAN PORVAIR - ADHESIVE SEALING FILM - For coldPRO

Part No.	Film Type	Roll Size	Material	Solvent Resistance	Temp. Range °C	Application
SF20080LR	Strong Transparent Peelable, Non-Pierceable Film for PCR	100M x 80mm	Polyester	Good	-20 to +110	PCR, low temp. storage and transportation.
SF20080SR	Sterile - Strong Transparent Peelable, Non-Pierceable Film for PCR					
SF21080LR	Optically Clear, Non-Tacky, Pressure Sensitive, Non-Pierceable, Peelabe Film for qPCR	100M x 80mm	Polyester/SIL	Good, DMSO	-40 to +110	qPCR, fluorescence, crystallography, genotyping
SF21080SR	Sterile - Optically Clear, Non-Tacky, Pressure Sensitive, Non-Pierceable, Peelabe Film for qPCR					
SF30080LR	Crystal Clear, Non-Tacky, Pressure Sensitive, Non-Pierceable, Peelabe Film for qPCR	100M x 80mm	Polyester/SIL	Good, DMSO	-40 to +120	qPCR, fluorescence, crystallography, genotyping
SF30080SR	Sterile - Optically Clear, Non-Tacky, Pressure Sensitive, Non-Pierceable, Peelabe Film for qPCR					
SF22080LR	Transparent with Die-Cut Windows, Non-Pierceable, Peelable Film for qPCR	100M x 80mm	Polyester	Good	-20 to +80	qPCR, fluorescence, crystallography, genotyping
SF22080SR	Sterile - Transparent with Die-Cut Windows, Non-Pierceable, Peelable Film for qPCR					
SF24080LR	Transparent, Perforated Gas Permeable, Peelable, Pierceable Film	100M x 80mm	Polyolefin	Good	-20 to +80	Bacterial Culture, eukayotic, suitable for imaging
SF24080SR	Sterile - Transparent, Perforated Gas Permeable, Peelable, Pierceable Film					
SF25080LR	Transparent, Peelable Film for Storage	110M x 80mm	Polypropylene	None	-20 to +80	Sample storage (aqueous). Not recommended for PCR or low temps.
SF25080SR	Sterile - Transparent, Peelable Film for Storage					
SF31080LR	Transparent, Non-Tacky Pressure Sensitive, Peelable, Non-Pierceable Film	100M x 80mm	Polypropylene	Good, DMSO	-40 to 80	Compound storage, DMSO resistant
SF31080SR	Sterile - Transparent, Non-Tacky Pressure Sensitive, Peelable, Non-Pierceable Film					
SF27080LR	Pierceable, Peelable, Barrier Foil Film for PCR	200M x 80mm	Aluminum Foil	Good	-40 to 120	PCR, microplate storage at low temperatures
SF27080SR	Sterile - Pierceable, Peelable, Barrier Foil Film for PCR					
SF29080LR	Strong Adhesive, Pierceable, Peelable, Barrier Foil Film for PCR	150M x 80mm	Aluminum Foil	Good	-40 to 120	PCR, microplate storage at low temperatures
SF29080SR	Sterile - Strong Adhesive, Pierceable, Peelable, Barrier Foil Film for PCR					
SF32080LR	Non-woven Gas Permeable Peelable Film for Cell & Tissue Culture	150M x 80mm	Non-Woven Tape	None	-20 to 80	Short term incubation, agriculture and seed storage, insect storage and cell culture
SF10078SR	Sterile - Non-woven Gas Permeable Peelable Film for Cell & Tissue Culture					

FINNERAN PORVAIR - HEAT SEALING FILM (SHEETS)

Part No.	Description	Sheets/Pack	Sheet Size	Solvent Resistance	Temp. Range °C	Plate Type	Application
SF01078LS	Transparent Peelable Film	100	125mm x 78mm	Moderate	-80 to 80	PP, PE, PS, COC	For All Plate Types, qPCR, Short term Compund Storage
SF01078SS	Sterile Transparent Peelable Film	100					
SF01078TS	Trial Roll - Transparent Peelable Film	5					
SF03078LS	Transparent Pierceable Film for Abi 3730	100	125mm x 78mm	Moderate	Pressurized PCR	PP, PE, PS, COC	For All Plate Tyoes, Use with Abi 3730 PCR sequencer
SF03078SS	Sterile - Transparent Pierceable Film for Abi 3730	100					
SF03078TS	Trial Roll - Transparent Pierceable Film for Abi 3730	5					
SF02078LS	Optically Clear Strong Bond Heat Seal	100	125mm x 78mm	Good, DMSO	-80 to 110	PP	For All PP Plates, For Water Bath PCR, Use with DMSO & Harzadous Materials
SF02078SS	Sterile - Optically Clear Strong Bond Heat Seal	100					
SF02078TS	Trial Roll - Optically Clear Strong Bond Heat Seal	5					
SF04078LS	Peelable Foil (White Laminate) Film	100	125mm x 78mm	Moderate	-80 to 110	PP	For All PP Plates, PCR, good liquid barrier, low temp short term compund storage, can be resealed
SF04078SS	Sterile - Peelable Foil (White Laminate) Film	100					
SF04078TS	Trial Roll - Peelable Foil (White Laminate) Film	5					
SF14078LS	Peelable Foil (White Laminate) Film	100	125mm x 78mm	High Resistance to Solvents, DMSO	-80 to 110	PP, PE, PS, COC	For All Plate Tyoes, PCR, low temperature, short term compound storage, short term room temp compound storage
SF14078SS	Sterile - Peelable Foil (White Laminate) Film	100					
SF14078TS	Trial Roll - Peelable Foil (White Laminate) Film	5					
SF05078LS	Peelable Foil Film, DMSO Resistant	100	125mm x 78mm	Excellent	-80 to 80	PP	For All PP Plates, Compound storage at low & ambient temps, with DMSO & other solvents
SF05078SS	Sterile - Peelable Foil Film, DMSO Resistant	100					
SF05078TS	Trial Roll - Peelable Foil Film, DMSO Resistant	5					
SF06078LS	Easily Pierced Foil Heat Sealing Film	100	125mm x 78mm	Good, DMSO	-20 to 120	PP, PS	For Polypropylene or Polystyrenen Plates, PCR, compund storage, sample shipping
SF06078SS	Sterile - Easily Pierced Foil Heat Sealing Film	100					
SF06078TS	Trial Roll - Easily Pierced Foil Heat Sealing Film	5					
SF15078LS	Pierceable and Peelable Foil Heat Seal	100	125mm x 78mm	Moderate	-80 to 80	PP, PE, PS, COC	For All Plate Tyoes, PCR, compund storage, sample shipping
SF15078SS	Sterile - Pierceable and Peelable Foil Heat Seal	100					
SF15078TS	Trial Roll - Pierceable and Peelable Foil Heat Seal	5					

Heat Sealing Film (Sheets)

Part No.	Description	Sheets/Pack	Sheet Size	Solvent Resistance	Temp. Range °C	Plate Type	Application
SF07078LS	Pierceable, Peelable Foil Film	100					
SF07078SS	Sterile - Pierceable, Peelable Foil Film	100	125mm x 78mm	Good, DMSO	-20 to 110	PS	For Polystyrene Plates, PCR, low temp compound storage, short term ambient temp storage, can be re-applied
SF07078TS	Trial Roll - Pierceable, Peelable Foil Film	5					
SF08078LS	Strong Bonding Peelable Foil Film	100					
SF08078SS	Sterile - Strong Bonding Peelable Foil Film	100	125mm x 78mm	Good, DMSO	-200 to 110	PP	For PP Plates, PCR, thermal cyclers, storage of solvents, and other organics, long term storage, transportation at low temperature
SF08078TS	Trial Roll - Strong Bonding Peelable Foil Film	5					
SF10078LS	Non-woven Gas Permeable Peelable Film	100					
SF10078SS	Sterile - Non-woven Gas Permeable Peelable Film	100	125mm x 78mm	None	-20 to 80	PP, PS	For PP or PS Plates, Short-term incubation, agriculture and seed storage, insect storage and cell culture, for use in autoclaves
SF10078TS	Trial Roll - Non-woven Gas Permeable Peelable Film	5					
SF13078LS	60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film	100					
SF13078SS	Sterile - 60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film	100	125mm x 78mm	None	-20 to 80	PP, PS	For PP or PS Plates, Short-term incubation, agriculture and seed storage, insect storage and cell culture
SF13078TS	Trial Roll - 60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film	5					
SF11078LS	Clear Perforated Gas Permeable Peelable Film	100					
SF11078SS	Sterile - Clear Perforated Gas Permeable Peelable Film	100	125mm x 78mm	Moderate	-80 to 80	PP, PE, PS, COC	For All Plate Types, Short-term incubation, agriculture and seed storage, insect storage and cell culture
SF11078TS	Trial Roll - Clear Perforated Gas Permeable Peelable Film	5					
229571	Peelable 70um EVA/aluminium laminate sealing foil- color coded red	100	125mm x 78mm	Excellent, DMSO	-80 to 80	PP, PE, COC	Compound storage at low & ambient temps, with DMSO & other solvents
229572	Easily pierced 20um PP/PS lacquered aluminium foil - color coded green	100	125mm x 78mm	Good, DMSO	-20 to 120	PP, PS	PCR, compund storage, sample shipping, can be sealed over existing seal
229573	Pierceable/Peelable 38um lacquered aluminium foil - color coded blue	100	125mm x 78mm	Good, DMSO	-20 to 110	PP, PS	PCR, low temp compound storage, short term ambient temp storage, can be sealed over existing seal
229574	Strong 85um thick aluminium foil for long term storage - color coded black	100	125mm x 78mm	Good, DMSO	-20 to 110	PP, PS	PCR, long-term compound storage for hazardous materials

FINNERAN PORVAIR - HEAT SEALING FILM (ROLLS)

Part No.	Film Type	Roll Size	Solvent Resistance	Temp. Range °C	Plate Type	Application
SF01078LR	Transparent Peelable Film	500M x 78mm	Moderate	-80 to 80	PP, PE, PS, COC	qPCR, Short term compound storage
SF01078SR	Sterile - Transparent Peelable Film	500M x 78mm				
SF01078TR	Transparent Peelable Film - Trial Roll	5M x 78mm				
SF01115LR	Transparent Peelable Film	350M x 115mm				
SF01115SR	Sterile - Transparent Peelable Film	350M x 115mm				
SF01115TR	Transparent Peelable Film - Trial Roll	5M x 115mm				
SF03078LR	Transparent Pierceable Film for Abi 3730	610M x 78mm	Moderate	-80 to 80 or 110 with pressurized PCR heated lids	PP, PE, PS, COC	Use withBi 3730 PCR sequencer
SF03078SR	Sterile - Transparent Pierceable Film for Abi 3730	610M x 78mm				
SF03078TR	Transparent Pierceable Film for Abi 3730 - Trial Roll	5M x 78mm				
SF03115LR	Transparent Pierceable Film for Abi 3730	500M x 115mm				
SF03115SR	Sterile - Transparent Pierceable Film for Abi 3730	500M x 115mm				
SF03115TR	Transparent Pierceable Film for Abi 3730 - Trial Roll	5M x 115mm				
SF02078LR	Optically Clear Strong Bond Heat Seal	610M x 78mm	Good, DMSO	-80 to 110	PP	For water bath PCR, use with DMSO & hazardous materials
SF02078SR	Sterile - Optically Clear Strong Bond Heat Seal	610M x 78mm				
SF02078TR	Optically Clear Strong Bond Heat Seal - Trial Roll	5M x 78mm				
SF02115LR	Optically Clear Strong Bond Heat Seal	500M x 115mm				
SF02115SR	Sterile - Optically Clear Strong Bond Heat Seal	500M x 115mm				
SF02115TR	Optically Clear Strong Bond Heat Seal - Trial Roll	5M x 115mm				
SF04078LR	Peelable Foil (White Laminate) Film	610M x78mm	Moderate	-80 to 110	PP	For PP Plates, PCR, good liquid barrier, low temp short term compound storage, can be re-sealed
SF04078SR	Sterile - Peelable Foil (White Laminate) Film	610M x 78mm				
SF04078TR	Peelable Foil (White Laminate) Film - Trial Roll	5M x 78mm				
SF04115LR	Peelable Foil (White Laminate) Film	500M x115mm				
SF04115SR	Sterile - Peelable Foil (White Laminate) Film	500M x 115mm				
SF04115TR	Peelable Foil (White Laminate) Film - Trial Roll	5M x 115mm				

Heat Sealing Film (Rolls)

Part No.	Film Type	Roll Size	Solvent Resistance	Temp. Range °C	Plate Type	Application
SF14078LR	Peelable Foil (White Laminate) Film	610M x78mm	High Resistance to Solvents, DMSO	-80 to 110	PP, PE, PS, COC	For All Plate Types, PCR, low temperature, short term compound storage, short term room temp compound storage
SF14078SR	Sterile - Peelable Foil (White Laminate) Film	610M x 78mm				
SF14078TR	Peelable Foil (White Laminate) Film - Trial Roll	5M x 78mm				
SF14115LR	Peelable Foil (White Laminate) Film	500M x115mm				
SF14115SR	Sterile - Peelable Foil (White Laminate) Film	500M x 115mm				
SF14115TR	Peelable Foil (White Laminate) Film - Trial Roll	5M x 115mm				
SF05078LR	Peelable Foil Film, DMSO Resistant	500M x 78mm	Excellent	-80 to 80	PP	For Polypropylene Plates, Compound storage at low & ambient temps, with DMSO & other solvents
SF05078SR	Sterile - Peelable Foil Film, DMSO Resistant	500M x 78mm				
SF05078TR	Peelable Foil Film, DMSO Resistant - Trial Roll	5M x 78mm				
SF05115LR	Peelable Foil Film, DMSO Resistant	500M x 115mm				
SF05115SR	Sterile - Peelable Foil Film, DMSO Resistant	500M x 115mm				
SF05115TR	Peelable Foil Film, DMSO Resistant - Trial Roll	5M x 115mm				
SF06078LR	Easily Pierced Foil Heat Sealing Film	610M x 78mm	Good, DMSO	-20 to 120	PP, PS	PCR, compound storage, sample shipping
SF06078SR	Sterile - Easily Pierced Foil Heat Sealing Film	610M x 78mm				
SF06078TR	Easily Pierced Foil Heat Sealing Film - Trial Roll	5M x 78mm				
SF06115LR	Easily Pierced Foil Heat Sealing Film	500M x 115mm				
SF06115SR	Sterile - Easily Pierced Foil Heat Sealing Film	500M x 115mm				
SF06115TR	Easily Pierced Foil Heat Sealing Film - Trial Roll	5M x 115mm				
SF07078LR	Pierceable, Peelable Foil Film	610M x 78mm	Good, DMSO	-20 to 110	PS	For Polystyrene Plates, PCR, low temp compound storage, short term ambient temp storage, can be re-applied
SF07078SR	Sterile - Pierceable, Peelable Foil Film	610M x 78mm				
SF07078TR	Pierceable, Peelable Foil Film- Trial Roll	5M x 78mm				
SF07115LR	Pierceable, Peelable Foil Film	500M x 115mm				
SF07115SR	Sterile - Pierceable, Peelable Foil Film	500M x 115mm				
SF07115TR	Pierceable, Peelable Foil Film - Trial Roll	5M x 115mm				

Heat Sealing Film (Rolls)

Part No.	Film Type	Roll Size	Solvent Resistance	Temp. Range °C	Plate Type	Application
SF08078LR	Strong Bonding Peelable Foil Film	500M x 78mm	Good, DMSO	-200 to 110	PP	For PP Plates, PCR, thermal cyclers, storage of solvents and other organics, long term storage, transportation at low temps
SF08078SR	Sterile - Strong Bonding Peelable Foil Film	500M x 78mm				
SF08078TR	Strong Bonding Peelable Foil Film - Trial Roll	5M x 78mm				
SF08115LR	Strong Bonding Peelable Foil Film	350M x 115mm				
SF08115SR	Sterile - Strong Bonding Peelable Foil Film	350M x 115mm				
SF08115TR	Strong Bonding Peelable Foil Film - Trial Roll	5M x 115mm				
SF10078LR	Non-woven Gas Permeable Peelable Film	200M x 78mm	None	-20 to 80	PP, PS	Short term Incubation, agriculture and seed storage, Insect storage and Cell Culture, for use in autoclaves
SF10078SR	Sterile - Non-woven Gas Permeable Peelable Film	200M x 78mm				
SF10078TR	Non-woven Gas Permeable Peelable Film - Trial Roll	5M x 78mm				
SF10115LR	Non-woven Gas Permeable Peelable Film	200M x 115mm				
SF10115SR	Sterile - Non-woven Gas Permeable Peelable Film	200M x 115mm				
SF10115TR	Non-woven Gas Permeable Peelable Film - Trial Roll	5M x 115mm				
SF13078LR	60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film	610M x 78mm	None	-20 to 80	PP, PS	Short term Incubation, agriculture and seed storage, Insect storage and Cell Culture
SF13078SR	Sterile - 60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film	610M x 78mm				
SF13078TR	60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film - Trial Roll	5M x 78mm				
SF13115LR	60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film	500M x 115mm				
SF13115SR	Sterile - 60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film	500M x 115mm				
SF13115TR	60gsm Paper with Grid Lacquer Coating, Breathable, Peelable Film - Trial Roll	5M x 115mm				
SF11078LR	Clear Perforated Gas Permeable Peelable Film	610M x 78mm	Moderate	-80 to 80	PP, PE, PS, COC	Short term Incubation, agriculture and seed storage, Insect storage and Cell Culture
SF11078SR	Sterile - Clear Perforated Gas Permeable Peelable Film	610M x 78mm				
SF11078TR	Clear Perforated Gas Permeable Peelable Film - Trial Roll	5M x 78mm				
SF11115LR	Clear Perforated Gas Permeable Peelable Film	500M x 115mm				
SF11115SR	Sterile - Clear Perforated Gas Permeable Peelable Film	500M x 115mm				
SF11115TR	Clear Perforated Gas Permeable Peelable Film - Trial Roll	5M x 115mm				

eGecko^2 Automated barcode applicator

The eGecko^2 barcode applicator utilizes a custom designed label printer in association with TCS print engines. The system is a completely integrated printer and application unit in one, requiring only an electrical supply. With easy swap head operation, you can apply labels to flat and curved surfaces in one simple application.

Utilizing proprietary software enables label position and the ability to run the eGecko^2 automation simultaneously. Integrated third party software, Bartender, is used to direct drive data to the printer. Alternative data can be used upon request.

Using a fully integrated PC, eGecko^2 allows you to connect live to your network LIMS suystem to allow data transfer and validation of application labels. Using the on-board optional verification mode, you can print and verify all labels to ensure no unreadable labels enter your workflow.

- Fully automated with supplied PC control.
- Individual internal generation of labels.
- Works directly with OEM label creation software via application card.
- Individual programmable macros stored in PC.
- Uses robust and proven label print engines.
- Required electrical supply only.

Width	489mm
Depth	395mm
Height	626mm
Power requirement	110-220 VAC
Product No.	250-10066

ValiData Automated label applicator

The ValiData label applicator offers the ideal solution to labelling and re-labelling tube racks.

ValiData utilitzes a proven custom designed label printer in association with Zebra print engines. The system is a completely integrated printer and application unit in one.

Using a fully integrated PC enables you to connect live to your network LIMS systems to allow data transfer and validation of the application label. Using the on-board optional verification mode, you can print and verify all labels to ensure no unreadable labels enter your workflow.

Utilizing our rotary Z-axis motion, we offer ultimate applicator control with no need to adjust between plate types and label position. Simply call the application macro and apply the label. Both capped and open tubes can be processed. Labels are verified using he on-board CCD reader.

- Operator friendly; easy to program.
- Able to use multiple plasticware manufacturers' microplates.
- Ability to apply to SBS plate types or custom holders.
- Average label cycle: 12 seconds.

Width	1290mm
Depth	640mm
Height	844mm
Power requirement	110-220 VAC
Product No.	250-10061

K6³   Automated colony picking system

K6³ automated colony picking systems represent an ideal entry-level system for laboratories looking for reliable, consistent identification and extraction for sample recovery.

Offering complete versatility, the K6³ series will work with a wide range of plates for both source and destination; such as 96-, 384-shallow and deep well format microplates, petri dishes (from 4mm to 15cm), Omni style trays, multi-well growth plates and bio-assay trays.

Picking accuracy is in excess of 98.5%. The use of different pin types allow transfer volumes to be defined and all pins are manufactured using 316 stainless steel for ease of cleaning and longevity.

The system is available in three configurations; K6³ picker only, K6³ XT picker with automated destination plates and single or dual lane, and K6³ XL picker with automated source trays and destination plates (single or dual lane).

- Picking accuracy in excess of 98.5%.
- Full positional feedback.
- Imaging carried out via USB3 camera system.

K6³ (picker only)	1000mm x 799mm (HxW)
K6³ XT (picker with automated destination plates)	1000mm x 1215mm (HxW)
K6³ XL (picker with automated source trays and destination plates)	1000mm x 1934mm (HxW)
Product No. K6³ picker only	250-10059

K8   Automated colony picking system

K8 automated colony picking systems offer laboratories the ideal medium throughput solution for reliable, consistent identificatoin and extraction for sample recovery.

Offering complete versatility, the K8 series will work with a wide range of plates for both source and destination; such as 96-, 384- shallow and deep well format microplates, petri dishes (from 4mm to 15cm), Omni style trays, multi-well growth plates and bio-assay trays.

An increase in operational capacity is offered with the option to fit one or two destination plate automation lanes. These allow the processing of up to 220 standard destination plates and up to 60 deep well blocks. Second stage automation allows the automatic handling of 8 source tray locations.

The system is available in three configurations; K8 picker only, K8 XT picker with automated destination plates and single or dual lane, and K8 XL picker with automated source trays and destination plates (single or dual lane).

- Picking accuracy in excess of 98.5%.
- Full positional feedback.
- Imaging carried out via USB3 camera system.

K8 (picker only)	1078mm x 1666mm (HxW)
K8 XT (picker with automated destination plates	1078mm x 2276mm (HxW)
K8 XL (picker with automated source trays and destination plates	1078mm x 2990mm (HxW)
Product No. K8 picker only	250-10048

PCR   Thermal cyclers automated systems

Finneran Kbiosystems DT range uses a three tank water bath system to create the desired temperatures for all steps of the PCR process. Our patented compression basket system allows the use of 96-, 384- and even 1536-well PCR plates to be cycled without changing the basket or modifying the heater blocks as is currently required in Peltier units. We use plate holders to maintain pressure and, as a side effect of this, we have found that once cycled the plates also remain flat for improved post-PCR operations. The compression basket also allows the use of adhesive or easily removable seals for multiplex type operations.

The DT-24 and DT-108 Thermal Cycling PCR systems are an alternative way of carrying out medium and high throughput PCR protocols on DNA replication and incubation to micro well format plates.

Conventionally, Peltier heat transfer units have been used to carry out these operations. However, these can prove costly when trying to increase productivity, throughput, and do not optimize the yield potential.

- Reduced energy used by the systems.
- Cost of system change over between varying plates.
- Area footprint of system.
- Increased yield of post-PCR product.
- Decreased cycle times.
- Easy to program.
- Able to use multiple plastic ware manufacturer's plates.
  across applications.
- Robustly engineered.

DT-24

Width	700mm
Depth	1650mm
Height	1550mm
Power requirement	110-220 VAC
Product No.	250-10004

DT-108

Width	1050mm
Depth	2400mm
Height	2200mm
Power requirement	110-220 VAC
Product No.	250-10005