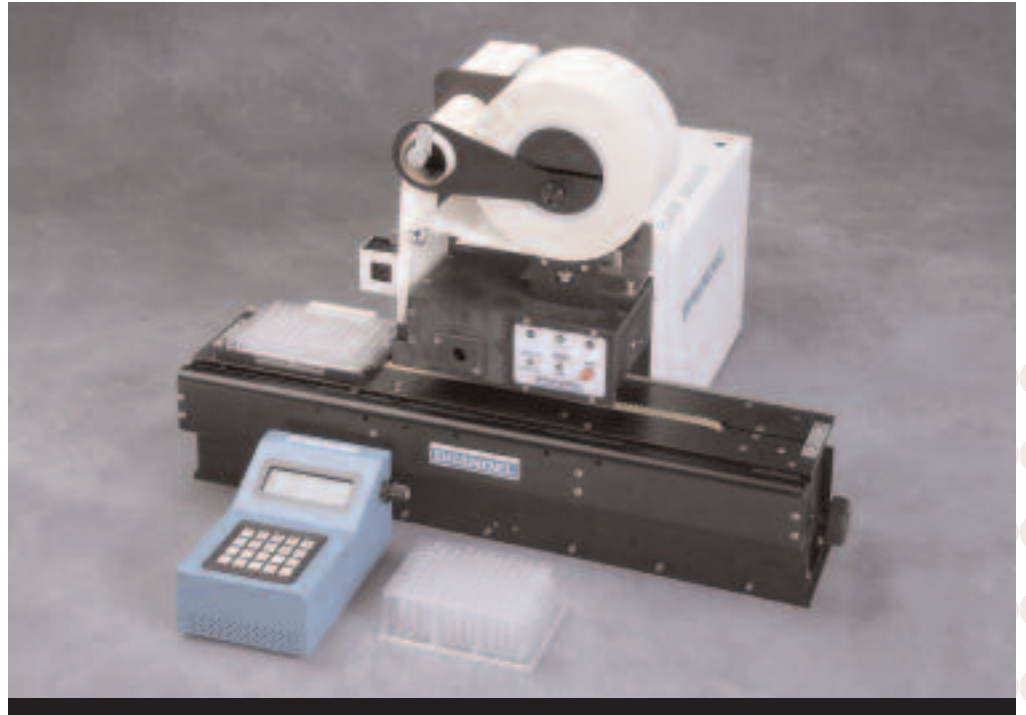


MS 2000

RS 3000



Brandel Plate Sealers offer a pressure-based solution for applying a uniform, adhesive seal to plates of most any configuration, height or composition.

Semi-Automated (MS-2000) and Fully-Automated (RS-3000) Plate Sealers can be used with a variety of sealing tapes, including transparent, translucent, foils, and gas permeable. Seals are available for use with many chemicals, including DMSO, are compatible with cells, and capable of withstanding temperatures from -70°C to 110°C .

SEMI-AUTOMATED & FULLY-AUTOMATED PLATE SEALERS

SEMI-AUTOMATED SYSTEM (MS-2000)

The Brandel Semi-Automated Plate Sealer offers an inexpensive yet simple way to seal a plate. Once the plate is properly positioned, simply depress a switch which mechanically pulls the plate through the sealer. After the sealant tape is applied, the tape is automatically cut and the plate is returned to its original position. Features of the semi-automated sealer include integrated sensors to ensure proper seal placement, height positioning and sealing pressure.

FULLY-AUTOMATED SYSTEM W/RS232 INTERFACE (RS-3000)

Our Fully-Automated Plate Sealer with RS-232 interface is an ideal component for integration into liquid handling and robotic systems and can also be used as a stand-alone unit. The system includes integrated optics and software to ensure proper seal placement, height positioning and sealing pressure. Programmable software and controller allow 10 different plate profiles to be stored and recalled from memory.

The plate is initially positioned at the optic sensor and automatically fed into the sealing apparatus. After sealing tape is applied and trimmed, the automatic slide moves the plate to the end of the unit or to its initial entry point for manual or robotic arm removal. Destination of the sealed plate is programmable. Models with plate stackers are available.

SEALER SPECIFICATIONS

Electrical

110-120V/60Hz or 208-220V/50Hz

Exterior Dimensions

25" Wide x 15" Deep x 17" High

SEALS

Breathable Microplate Sealing Tape.

This gas permeable tape has a white, rayon non-woven backing coated on one side with a pressure-sensitive acrylate adhesive. The tape is supplied on a white paper release liner. (#9791BR)

Aluminum Microplate Sealing Tape.

Single coated tape consisting of a __ mil aluminum seal coated with pressure-sensitive acrylate adhesive. Easy to pierce with a metal probe or a plastic pipette. Tape is supplied on a brown paper release liner. (#9792BR)

Polyolefin Microplate Sealing Tape.

Single-coated tape consisting of 2.0 mil opaque polyolefin film with pressure sensitive acrylate adhesive. Tape is supplied on a white paper release liner. (#9793BR)

Polyester Microplate Sealing Tape.

Single coated tape consisting of 2.0 mil translucent polyester film with pressure sensitive acrylate adhesive. Tape is supplied on a white paper release liner. (#9794BR)

Advanced Polyolefin Microplate Sealing Tape.

Transparent 2.0 mil polyolefin film with clear, pressure sensitive, low silicone adhesive. Best choice for visual microscopic analysis and crystallography studies. Supplied on a white polyester release liner. (#9795BR)

Advanced Pierceable Microplate Sealing Tape.

Pierceable 2.0 mil polyethylene translucent film with a clear pressure sensitive silicone adhesive. Low tack to touch adhesive. Suitable for repeat piercing with metal probe. Tape is supplied on a white paper release liner. (#9796BR)

Clear Sealing Tape.

Costs only pennies per seal. Ideal for crystallography. (#9700B)

Other Tapes & Foils.

Other seals are available. Please contact Brandel for pricing and information.

COMING SOON...

As this brochure went to press, three additional items were being evaluated for use with the plate sealer:

- a 96-well micro-dispensing system for dispensing liquids;
- a tape/foil piercer for individual wells;
- a plate stacker for storage and retrieval of plates.

Please contact Brandel if you would like further information on any of these items.

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