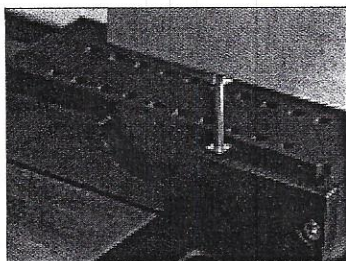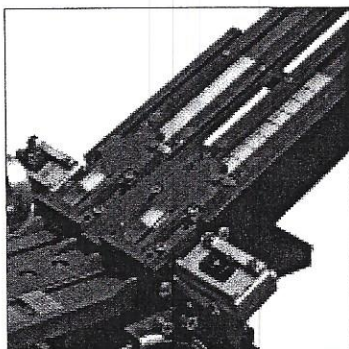# Model M2300
Designs for Production

Seal parts in matrix tooling or industry standard boats for continuous production operation.
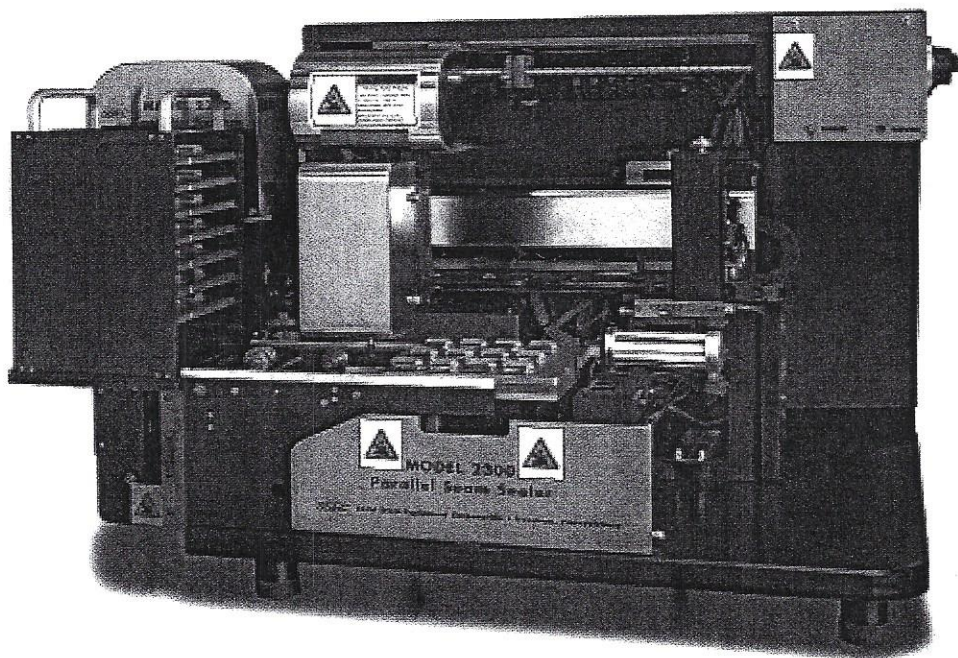
Model 2300
Full Automation Sealer

This model turns parallel seam sealing into a true production tool. It is designed for high throughput of high value, complex parts, including fiber optic transmitter/receivers. These features enhance production capability:
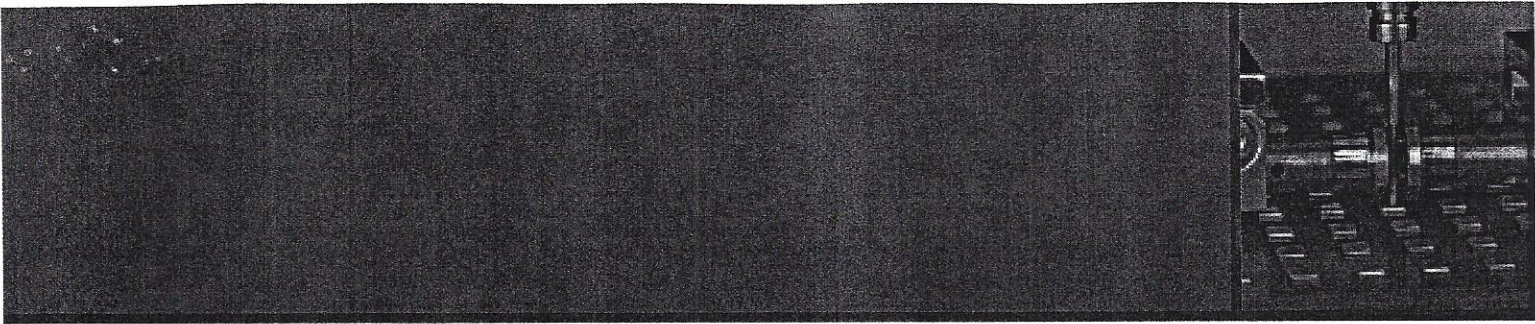
- Handle parts in matrix tooling or industry-standard boats

- Continuous batch loading and unloading from cassettes

- Hands-off, 24/7 operation

- Maximizes oven packing density for long cycle moisture removal processing

- Automatic height sensing and start adjust for arc-free operation

- Robust operation with lead screw drive

- Available stick feeder for specialty lids

Lids are supplied from lid bins, cassettes, or an optional vibratory stick feeder, depending on lid shape and structure.
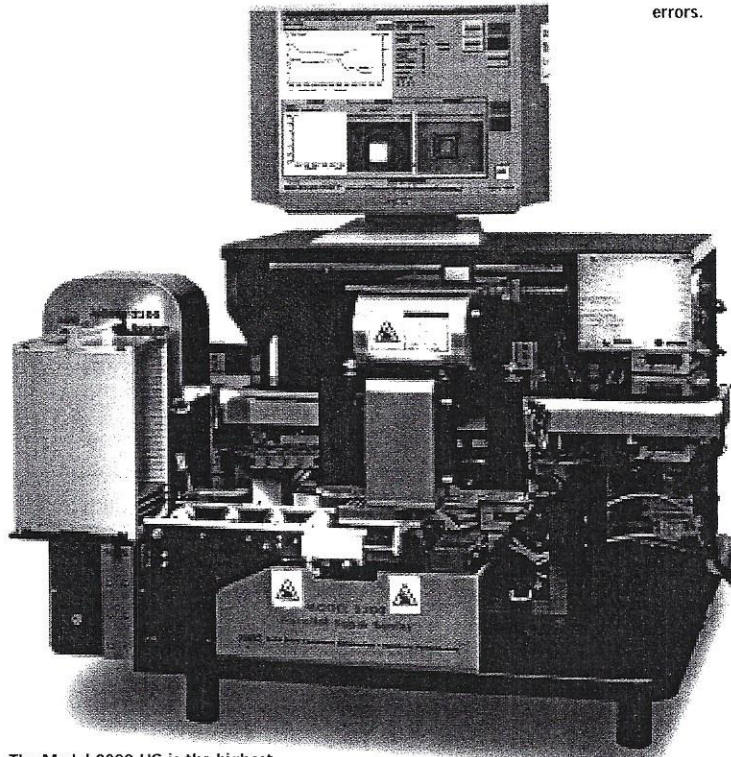
Building on the Model 2300 Parallel Seam Sealer with the addition of digital lid loading and/or cassette automation provides the level of automation—up to full walkaway—appropriate to your production requirements. Upgrades are easily implemented right at your facility.

Model 2300 HS
High Speed Sealer

For high volume, continuous production of small ceramic packages, SSEC has developed the Model 2300 HS. With field-proven performance, it is optimized for processing lids smaller than 10 mm square, down to 2 mm x 2 mm. High speed processing capability for these ceramic packages is built on Model 2300 HS features like:

- High speed lid tacking, with multi-tasking functionality

- High speed mechanics, including closed loop servo motor technology and ball screw drives

- Simultaneous vision-on-lid and vision-on-package in a multi-tasking Windows environment

- Windows-expanded memory, with software control that allows skipping over non-populated packages

- Fully automatic cassette operation, with light tower notification of operational status.

The Model 2300 HS is the highest throughput option for fully automatic sealing of a wide range of part and lid geometries.
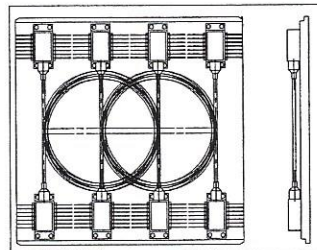
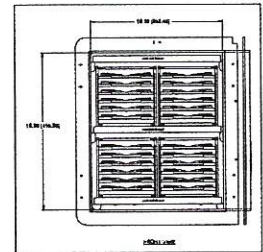## Sealing Fiber Optic Components

SSEC sealing systems are well suited to matrices of fiber optic components, with a fully automated cassette system.

Handling packages in cassettes allows maximum packing density in the bakeout oven. For example, using the 6" x 6" tray format, eight cassettes may be handled as a single batch in one oven. The exact number of trays and packages per tray depend on package height and overall size, respectively.

Advanced moisture removal processing is critical for high reliability communications modules meeting U.S. MIL-STD requirements. Most communication modules require a low temperature process, which increases processing time, even with simultaneous pressure cycling and integrated water cooling during the bakeout process in the heated shelf oven.

With vision on lid and vision on package, the Model 2300 Full Automation achieves high production volumes on sophisticated, complex parts.

The drying oven accommodates the maximum number of fiber optic parts for optimum moisture removal.

JDS Uniphase Ltd.

September 19, 2000

11:56am   From-SOLID STATE EQUIP

Model 2300e Automatic Parallel Seam Sealer .... $60,219.

Automatic Lid Feeding System .... $20,219.
- Lids will Be Fed by 12" Long Metal Tube Capable of Being Baked Out
- Includes Two Linear Vibratory Feeders with 180 Degree Orientation to Allow Placement of Two Rows of Packages Without The Need to Rotate the Lid.
- Includes Mechanical Features in Lid Feeders to Prevent Inserting Lids in the Wrong Orientation. Lids will Be Mechanically Located.
- Includes (2) Tools and (8) Lid Tubes

Automatic Matrix Tray Feeding With Cassette (100 mm x 100 mm) .... $17,291.
- Fully Automatic In/Out Single Cassette Operation
- One Input/Output Cassettes with Automatic Boat Feeding
- Precision Ball Screws with Double Slide Rail Mechanics Per Magazine Feeder
- Dedicated Microprocessor With Hewlett Packard Positional Encoders
- Networked on RS 422 Bus to PC for Highest Grade Performance
- Full Optical Sensors for Magazines, Boats, and Package Counting
- Boats are Automatically Indexed Under Seal Table
- Fully Programmable Spacing, Pitch and Speed

Automatic Matrix Tray Feeding for 6" x 6" Trays .... $ 7,500.

Front Loading Interchange System .... $ 3,201.
- 16" Wide and 16" Deep x 16" High Stainless Steel Interchange System
- Precise Numerical Fabrication
- Enables Pass In/Out of Material Without Using Oven Capacity
- Interior and Exterior Precision Doors with Electronic Interlock
- Digital Display for Interior and Exterior Door with Open / Close Condition
- Automatic Gas Purge With Dry Alarm with Visual Alarm
- Independent Gas Flow Meter with Programmable Solenoid

One Pair   **Software Controlled Door Locks** @ $1,000/each .... $ 2,000.
- Two Units Provided for Inner and Outer Interchange Door
- Will Not Allow Simultaneous Door Opening with Interlock
- Will Not Allow Inner Door Openings Until Purge Cycle Completed
- Will Not Allow Door Opening if Environmental Conditions Not Within Programmed Threshold
- Overriding Requires Supervisor Password With Security On