



Pioneers in catheter laser bonder development since 2002

LBS4200 CATHETER LASER BONDER

RELIABLE, CONSISTENT, EASY TO USE, AFFORDABLE, GREAT FOR PRODUCTION



With a spacious work chamber, loading/unloading samples has never been easier

Dual direct drive spindles can be anchored anywhere along the rail

With the help of an alignment disc, laser aiming adjustment is easy

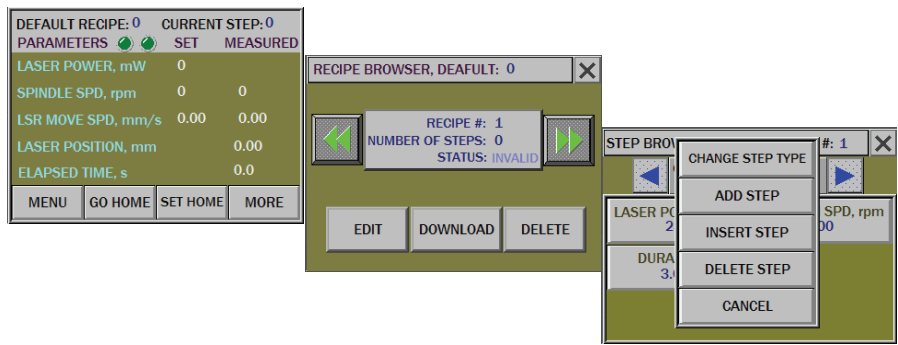
Your support mandrel is never going to get caught between the jaws of the gapless micro chuck



A laser safe viewing window allows watching the bonding process in addition to the viewing camera/monitor

User Interface:

Equipped with a clear, state of the art touch-screen controller, programming the LBS 4000 is now easier than ever.*



* These screens are highly dynamic. They work similar to a Microsoft window program

Process & Operational Features

- Closed loop laser provides power stability within 2%
- Real time laser power display
- Electronic shutter to eliminate power surge during code start
- Stackable lens system allowing precise spot size control
- Micro chuck rotates precisely to 0.002"
- 6" or larger touch screen programmable controller
- Process monitoring system with CCD camera
- Built-in red diode pointer and crosshair generator
- Optional recipe selection with barcode scanner
- Optional auto power calibration
- Optional powered chuck open/close fixture
- Plug and play
- No training required

Programming Features

- Proprietary serial multi-step bonding algorithm
- Allows 9 steps in a bonding recipe
- Allows 10 parameters in each step
- Three types of steps: Static, Dynamic, Manual
- Specify absolute laser power in milliwatts
- Up to 500 bonding recipes can be stored in the touch screen HMI
- Data acquisition to PC
- Create partial circular bond and pattern bond
- Backup recipe to USB drive and restore
- WinRecipeEditor available
- Optional advanced data acquisition

Do not forget to check our chuck options and accessories

Shrink Tubing

Shrink tubing is an essential component in laser bonding, and we provide shrink tubing in various sizes.

We're Here to help

New to laser bonding? No problem. We provide training and process development

We also offer bonding services for small quantities

Some Samples†:

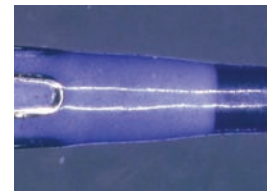
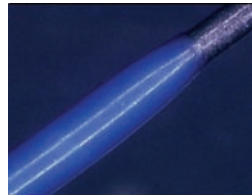


Soft Tip Attachment



PU Balloon Bond

Taper Formation



Stent Wrapping and Tip Bonding

† These represent only part of the capabilities of our laser bonder

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