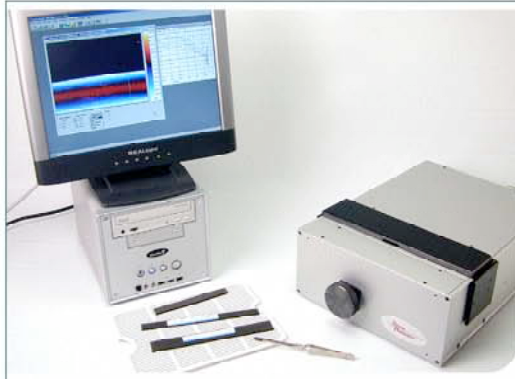


# Lam | Master™

**Laminar Stress** Measurement System  
for annealed glass by Stress Photonics Inc.



LAM2000

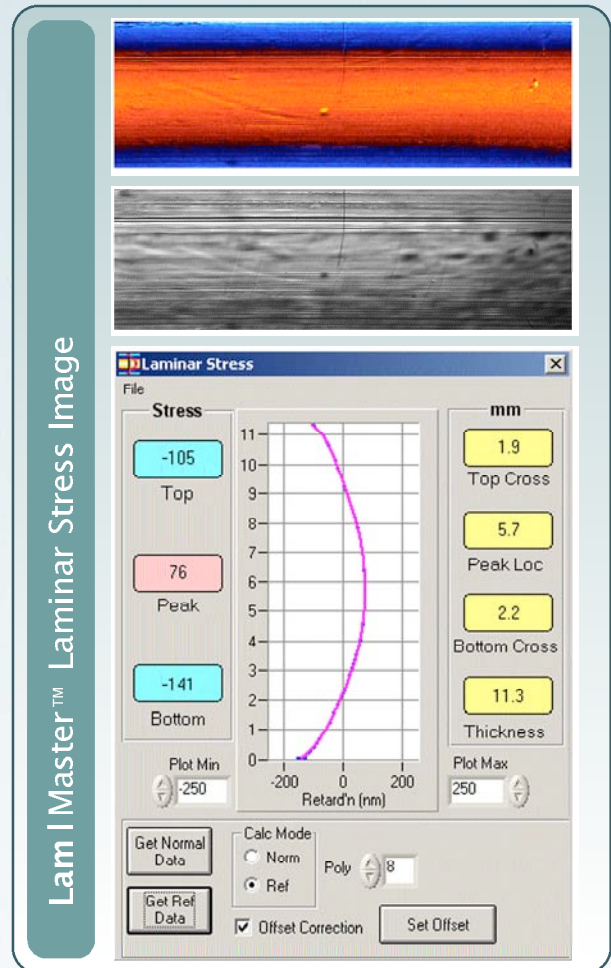
The **LamMaster** can solve cuttability problems by assessing the annealing level of the glass. The system provides a 2D image of the through-thickness stresses including surface compressions and center tension. A summary form provides the parabolic stress profile as well as key measurements all directly linked to a spreadsheet style database for long term cataloging of data.

**Setup is a snap.** Simply insert your specimen into the **LamMaster** cartridge-style loader and close the lid. The coupon is automatically lowered into a matched index fluid bath in proper alignment. The matching index fluid minimizes effects of burrs and chips common to snapped glass, so no specimen preparation is needed.

The **LamMaster** 2000 also provides a striae map that indicates density layers in the glass, often useful in making decisions in float line transition periods.

## Features of the Lam | Master™

- Simple Turn-key System
- Easy Specimen Loading
- No Specimen Preparation Necessary
- Integrated Data Base
- Integral Calibration Standard
- Thickness stress profile reporting:
  - Surface Compression
  - Center Tension Maximum and Location
  - Zero Stress Points
  - Striae Maps



Lam | Master™ Laminar Stress Image

The answer is clear™

glass | photonics™

# Lam | Master™

Laminar Stress Measurement System by Stress Photonics, Inc.

SPECIFICATION	VALUE
<b>SPECIMEN</b>	
Maximum Length	240 mm
Maximum Width	25 mm
Minimum Thickness	2 mm
Maximum Thickness	10 mm
Glass Tint	Clear, Solar, Privacy
Edge Finish	As cut, within reason
<b>CALIBRATION</b>	
	Sharples 137 nm waveplate
<b>MEASUREMENT</b>	
Stress	
Range	275 nm / 4.3 MPa @25 mm specimen width
Resolution	3 nm / 0.05 MPa @ 25 mm specimen width
Spatial Resolution	0.15 mm resolution
Pixel Density	40 pix / mm
Striae Map Resolution	40 pix / mm
<b>INSTRUMENT</b>	
Size (H x W x D)	135 x 310 x 450 mm
Weight	7 kg
Power	100-240 VAC, 3 A 50-60 Hz
<b>INCLUDES</b>	
Computer, display, keyboard, and mouse	
Software	
One click data collection	
Data export via text, Excel, or Database formats	
Index matching fluid	
Reference specimens	

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