

TMS Series

Thickness Metrology Station

Product Features

Non-contact thickness metrology to save scrap and rework

Provides physical thickness, optical thickness

Provides group index to identify material and eliminate mix-ups

Measures thicknesses up to 75 mm (optical) without adjustments

Achieves <500 nm precision and accuracy on polished optics

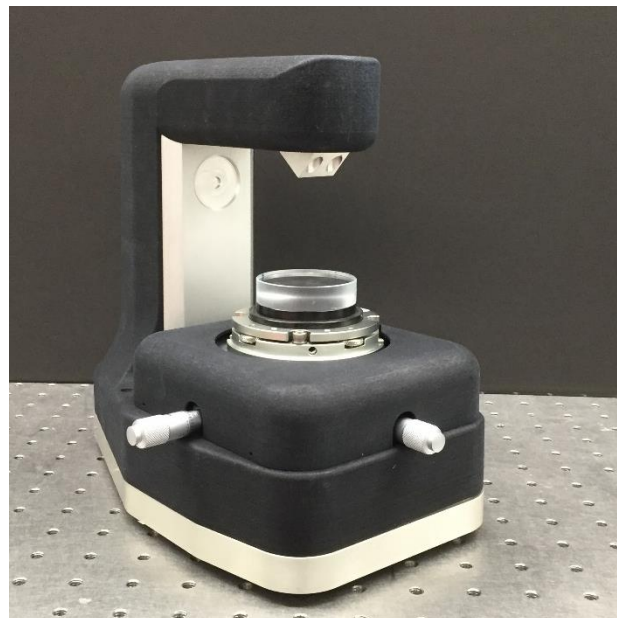
Accommodates up to 6" diameter optics (more custom)

Enables standardized, repeatable measurements regardless of the user

Automated specification pdfs

The last place an optics manufacturer wants to contact an optic is usually in the very center. But that's precisely what optics manufacturers are currently forced to do because no non-contact physical thickness metrology option exists. The result can be scrapped or reworked parts, tedious and mistake-prone manual measurements that are transcribed by hand, and insufficient accuracy to meet the increasing demands of today's premium optics customers.

To fill this technology gap, Bridger Photonics' Thickness Metrology Station provides the only non-contact thickness measurement solution capable of measuring up to 75 mm optical thickness with accuracy better than 500 nm. The system automatically performs three measurements: physical thickness, optical thickness, and group refractive index. The index information can be used to identify the optical material, and thereby eliminate the chance of sending the wrong material to your customers. Consistent and simple optics mounting enables repeatable, standardized measurements regardless of the users. The measurements are automatically displayed on a provided Surface Pro interface and prepared customer reports if desired.



406-585-2774
www.bridgerphotonics.com

2310 University Way
Building 4-4
Bozeman, MT 59715