

NEWS **Release**



ABRISA Technologies

200 S. Hallock Drive
Santa Paula, CA 93060
Contact: John Schmeling
Phone: (805) 421-5414
E-mail: jschmeling@abrisatechnologies.com - Web Site: www.abrisatechnologies.com

Media Contact: Lori Appel
Viewfinders Visual Communications
3401 West 5th St. #110,
Oxnard, CA 93030
Phone: (805) 984-3117 ext. 104
Cell: (805) 312-5873
loriappel@viewfindersvisual.com

Non-Polarizing Beam Splitter's from Abrisatechnologies Reflect and Transmit Mirror Images

Santa Paula, CA – Abrisatechnologies designs and manufactures durable, light weight, non-polarizing plate [beam splitters](#) or optical mirrors for those applications where image polarization must be maintained across multiple optical paths. Beam splitter plates from Abrisatechnologies are available in various levels of transmittance and reflectance. Non-polarizing beam splitters greatly reduce the polarizing effect; in fact, they typically have less than half the polarizing effect of a standard beam splitter.



Typical applications include:

- Broadcasting equipment (teleprompters)
- 3D camera rigs
- Photographic equipment
- Laser equipment
- Measuring instruments
- Flight simulators
- Information displays and screens

The color neutral non-polarizing beam splitter plates from Abrisatechnologies have one surface coated with a hybrid multi-layer film for transmittance/reflectance values and the second surface has a [thin film anti-reflective coating](#) applied to reduce ghost or double images. They exhibit superior flatness and are more tolerant of large field angles. The manufacturing process used by Abrisatechnologies insures a low absorption rate of 5% typical.

Non-Polarizing Plate Beam Splitter Specifications:

1-side Anti-Reflective Coated

- Angle of Incidence: 45°
- Reflectance: <1.25% at 450-650nm (typical)

- more -

200 S. Hallock Drive • Santa Paula, CA 93060 • Tel: (877) 622-7472 Fax: (805) 525-8604
Web: www.abrisatechnologies.com • E-Mail: info@abrisatechnologies.com

Opposite side coated with a hybrid multi-layer film beam splitter

- Angle of Incidence: 45°
- Reflectance/Transmittance: 48% ±10.0% at 450-650nm (typical)

Substrate Material: Soda Lime, Borofloat®, Fused Silica and host of other optical glasses
Thicknesses: As thin as 0.1mm up to 5" or more
Size: As small as ¼" square up to 24" standard – consult factory for larger size requirements.

About Abrisa Technologies: [Abrisa Technologies](http://www.abrisatechnologies.com) is headquartered in Santa Paula, California and is comprised of three divisions that provide precision optical products and services. The divisions include; Abrisa Industrial Glass, Inc., Sycamore Glass Components, and ZC&R Coatings for Optics. As a market leader in optical coatings and high quality precision glass fabrication, Abrisa Technologies is dedicated to providing premier customer service and cost-effective products that fit each customer's exacting requirements. www.abrisatechnologies.com

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