

Beam Splitter Wholesale Manufacturer



Overview

A beamsplitter can separate two beams by reflecting some of the light through a dielectric multilayer film. There are two types of beamsplitters: cube-type and plate-type, and the principle differs depending on the shape. Beamsplitters are mainly used in optical instruments, such as cameras and microscopes. There are two types of beamsplitters: the cube type, which consists of two right-angle prisms laminated together, and the plate type, which consists of thin glass with a special coating. Plate-type beamsplitters are often used in fluorescence optical microscopes. There are two types of beamsplitters, depending on the polarization characteristics of the reflected beam.

Difference Between a Beamsplitter and a Prism

The difference between a beamsplitter and a prism is the application. A cube-type beamsplitter consists of two right-angle prisms. On the other hand, a cube-shaped prism is created by forming an thin optical film on the slope of one prism to function as a beam splitter and joining it with the other prism. Since two prisms are utilized, the optical thin film is not in direct contact with the air, and no degradation of the thin film occurs. Prisms are used for applications that actively utilize.



Article Content

Aug 13, 2025

Custom Beamsplitters

ZYGO high precision beam splitters are custom made for critical applications including commercial space, medical, research, semiconductor, & photonics.

Jun 02, 2026

Beam splitter, Beamsplitter

Find your beam splitter easily amongst the 62 products from the leading brands (Avantes, Zygo, DAHENG OPTICS, ...) on DirectIndustry, the industry specialist for your professional purchases.

May 04, 2026

Custom Beamsplitters

Excelitas offers a wide array of beamsplitters in plate, cube and custom multi-port configurations. Utilizing our proprietary adhesive-free Activated Covalent Bonding (ACB) technology, we produce ...

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Beamsplitters Made by Edmund Optics for OEM

Our beamsplitters are manufactured from a wide variety of SCHOTT, Ohara, and CDGM materials. Whether you require several beamsplitters for prototyping, a few dozen for pre-production, or large ...

Mar 04, 2026

Beam Splitter Manufacturers

A Beam Splitter is an optical device that splits a beam of light into two or more beams. The leading manufacturers of Beam Splitters are listed below. Narrow down on the list of companies based on ...

Jun 14, 2026

Beam Splitters - Buying Guide & Supplier List | RP ...

This beam splitters buying guide provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

May 02, 2026

Beamsplitter

Andover Corporation manufactures precision beamsplitters (standard, polarizing, non-polarizing, dichroic, cube, plate) for various applications. 1 Custom coatings & high-precision manufacturing.

Apr 01, 2026

Beamsplitters | Suppliers | Photonics Buyers' Guide | Photonics ...

Manufacturer of thin-film pellicles for use as beamsplitters, beam combiners, attenuators, filters, and optical windows. Standard items, uncoated and coated, are available from inventory; special frames, ...

Jun 19, 2026

42 Beamsplitter Manufacturers in 2026

This section provides an overview for beamsplitters as well as their applications and principles. Also, please take a look at the list of 42 beamsplitter manufacturers and their company rankings.

May 16, 2026

// Polarizing Beam Splitter Optics, Custom Optical Beamsplitters ★ PFG

PFG offers different types of beam splitters such as an extensive variety of plate beamsplitters from UV to MWIR in a wide selection of sizes, glass types, surface quality, and a polarization state. We use ...

Contact Us

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