

What brand of mobile beam splitter



AI Overview

Leading brands for beam splitters include Thorlabs, Zygo, DAHENG OPTICS, Avantes, ORAFOL Fresnel Optics, Newport Thin Film Laboratory, and Haas Laser Technologies.

Key Brands and Manufacturers
Thorlabs: Offers a wide range of plate and cube beam splitters, including polarizing, non-polarizing, and dichroic types suitable for UV to IR applications. They provide solutions for microscopy, laser systems, and interferometry.
ZYGO: Specializes in large-format and complex beam splitters for aerospace, defense, and research applications. Their products are often custom-made to meet specific optical requirements.
DAHENG OPTICS: Provides precision optical components including beam splitters for scientific and industrial use.

Avantes: Known for spectroscopic and optical instrumentation, including beam splitters for fiber optic and laboratory setups.
ORAFOL Fresnel Optics GmbH: Produces Fresnel-type beam splitters, often used in imaging and optical instruments.

Newport Thin Film Laboratory: Offers high-quality thin-film coated beam splitters for precise optical applications.
Haas Laser Technologies, Inc.: Supplies custom and standard beam splitters for laser and photonics systems.

Types of Beam Splitters
Cube Beam Splitters: Two right-angle prisms glued or optically contacted; ideal for compact setups and precise 90° reflection angles.
Plate Beam Splitters: Thin glass plates with coatings; lightweight and suitable for space-constrained setups, often used in fluorescence microscopy.
Polarizing vs Non-Polarizing: Polarizing splitters separate light by polarization, while non-polarizing splitters divide light by intensity ratio.
Dichroic Splitters: Separate beams based on wavelength, useful for multi-spectral detection.
Considerations for Mobile Use
When selecting a mobile beam splitter, consider size, weight, mounting options, and robustness. Plate beam splitters are generally lighter and easier to integrate into portable systems, while cube types offer more ruggedness and alignment stability. Custom solutions from brands like Z...

Article Content

Beam Splitter Selection Guide

Our beam splitters are made from high grade glass material with laser grade surface flatness & surface quality for tighter tolerance on the splitting ratio.

Beam Splitters

When working with lasers, it is often necessary to split a laser beam into two or more defined partial beams. There are a variety of beam splitters for these applications, with different advantages and

Beamsplitters: Divide, combine & conquer

Beamsplitters: Divide, combine & conquer When you need to separate or overlap two beams on the optical bench or in a product design, the solution is most often

Beam Splitters: Types and Applications

Beam splitters find their application in a diverse array of fields, from teleprompters to robotics, impacting various technologies we rely on daily. These unassuming

Modular Beam Splitting System MBSS

The new Modular Beam Splitting System MBSS from Jenoptik enables the efficient and flexible production of high-performance solar cells with a compact, high-precision optical solution that

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

Beam Splitters – Buyer's Guide & Supplier List | RP

This buyer's guide for beam splitters provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

What are Beamsplitters?

Beamsplitter Construction | Types of Beamsplitters Beamsplitters are optical components used to split incident light at a designated ratio into two separate

Beamsplitters

Application Spotlight: Quad-Channel Beam-Split Imaging Optical System At Avantier, we don't just manufacture premium beamsplitters—we engineer

Photonics 101

As the name suggests, a beam splitter refers to an optical device which is used to split or divide a beam of light into two. A beam splitter is usually the cornerstone of most interferometers.

Optical Beamsplitters | Beamsplitter Selection | Edmund

Find top-quality Beamsplitters for laser systems & more. Shop a variety of beamsplitters at Edmund Optics for precision light splitting needs. [Click Here!](#)

beamsplitters selection guide

Beamsplitters Selection Guide Beamsplitters selection Guide A beamsplitter is an optic that splits light into 2 directions. The split ratio of light transmittance and reflectance is 1:1 and is called a half mirror.

How to Select a Beamsplitter

What is a Beamsplitter? A beamsplitter is an optical device that divides an incident beam of light into two parts: one part is transmitted through the splitter, while the

Beam Splitters

Beam Splitters from the leading manufacturers are listed below. Use the filters to narrow down on products based on your requirement. Download datasheets and request quotes for products that you

Beamsplitters | Optics | DigiKey

Shop DigiKey's large in-stock selection of Beamsplitters. View inventory, pricing and order now for same day shipping!

How Does a Beam Splitter Work? Types, Principles & Applications

Learn how beam splitters work, compare cube and plate designs, and explore applications in lasers, microscopy, and interferometry.

Selecting the Right Beamsplitter

Selecting the Right Beamsplitter Beamsplitters are optical components that split light into two directions, and are available in many different designs. Are you interested in learning about the benefits and differences of the multiple types of beamsplitters offered by Edmund Optics, including plate, cube, pellicle, and

Beam splitter

To reduce loss of light due to absorption by the reflective coating, so-called "Swiss-cheese" beam-splitter mirrors have been used. Originally, these were sheets of

Exploring Beam Splitters: Types and Applications

What Is a Beam Splitter? Working Principles, Types, and Applications Beam splitters play a critical role in modern optical technology, powering devices from

Diffractive Beam Splitter Solutions

Beam splitter elements are diffractive optical elements used to split a single laser beam into several beams, each with the characteristics of the original beam

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Beam splitter, Beamsplitter

Find your beam splitter easily amongst the 62 products from the leading brands (DAHENG OPTICS, COHERENT, EDMUND, ...) on DirectIndustry, the industry

Diffractive beam splitter

A diffractive beam splitter can generate either a 1-dimensional beam array (1xN) or a 2-dimensional beam matrix (MxN), depending on the diffractive pattern on the element. The diffractive beam splitter

42 Beamsplitter Manufacturers in 2026

Applications of Beamsplitters Principle of Beamsplitters Types of Beamsplitters Other Information on Beamsplitters 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 differ depending on the shape. See more on us.metoree Missing: brand Must include: brand AHF analysentechnik AG

Beamsplitters Product Overview - ahf

How to Specify the Flatness of Beam Splitters? Unfortunately, the specification of the flatness of beam splitters is not uniform, which is why you have to look

Beam Splitters, Separators & Combiners | Other Items

In addition to standardized, stocked separators, we primarily develop and produce unusual beam splitters, which are created, for example, by joining structured

Covering the Basics of Beamsplitters — Firebird Optics

Polarizing Beamsplitter While standard non-polarizing beamsplitters divide light by wavelength, a polarizing beamsplitter will split the incident beam

Optical beam splitter, Optical beamsplitter

Find your optical beam splitter easily amongst the 41 products from the leading brands (COHERENT, EDMUND, MKS NEWPORT, ...) on DirectIndustry, the

Contact Us

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