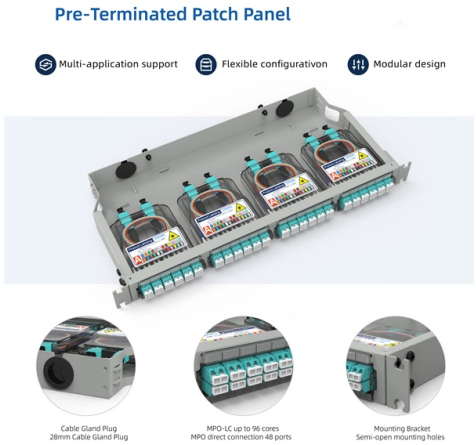
Price per unit of beam splitter



Overview

Beam Splitter Elements Market Research Report 2034Research-grade beam splitters typically command pricing of $800-$3,500 per unit depending on size, wavele.

Key Takeaways

Beam splitters typically range from $50 to over $1,000 depending on type, size, and coating. Beam splitters are optical devices that divide a light beam into two or more beams and are used in lasers, interferometers, cameras, and scientific instruments. The price varies widely based on several factors: 1.

Type of Beam Splitter

Plate beam splitters: Usually the most affordable, ranging from $50 to $200 for standard sizes and coatings. Cube beam splitters: Slightly more expensive, typically $100 to $500, depending on whether they are polarizing or non-polarizing. Pellicle beam splitters: Thin, low-distortion types can cost $200 to $800 due to delicate construction and high optical quality.

Dichroic or wavelength-specific splitters: Often $300 to $1,000+, as they require precise coatings for specific wavelengths. 2.

Material and Coating

Substrates like fused silica, calcium fluoride, or zinc selenide affect cost, especially for UV or IR applications. Anti-reflection (AR) coatings for specific wavelength ranges increase price. Multi-layer dielectric coatings are more expensive than simple metallic coatings.

3.

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Size and Customization

Larger beam splitters or custom designs for aerospace, defense, or research applications can exceed $1,000. Custom splitting ratios, polarization control, or integration into optical assemblies also increase cost. 4.

Supplier and Packaging

Suppliers like Edmund Optics, Thorlabs, and GoPhotonics offer standard catalog items with transparent pricing, while custom orders from industrial manufacturers may require a quote. In summary, standard laboratory beam splitters start around $50–$100, while specialized or custom optical beam splitters can cost several hundred to over a thousand dollars. For exact pricing, it is recommended to check supplier catalogs or request a quote based on your specific requirements.

Article Content

Beam Splitter Elements Market Research Report 2034

Research-grade beam splitters typically command pricing of $800-$3,500 per unit depending on size, wavelength specifications, and coating complexity, reflecting sophisticated manufacturing requirements.

Buy In Bulk Beam Splitter Price High-Precision Optical Quality ...

Discover beam splitters with competitive pricing, ideal for optical and fiber-optic applications. Explore AR-coated glass and ZnSe options, 50% reflectivity, 3-year warranty.

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

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

beam splitter Price

Comparing beam splitter prices. You can easily wholesale quality beam splitter at wholesale prices on Made-in-China .

Optical Beamsplitters | Beamsplitter Selection | Edmund Optics

Light can be split by percentage of overall intensity, wavelength, or polarization state. Edmund Optics offers plate, cube, pellicle, polka dot, or specialty prism Beamsplitters in a variety of anti-reflection

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Shop Beam Splitters & Passive Optical Splitters

Explore our collection of optical cable splitters and PON splitters for sale. Optical beam splitters are used to split the fiber optic light evenly into several parts at specific ratios.

fiber beamsplitter: Best 2025 Options & Prices

Find top fiber beamsplitters with 50:50 split ratio, singlemode operation, and low insertion loss. Compare verified suppliers, MOQs, and pricing. Click to explore high-quality, customizable

Beam Splitter

4.1 Beam splitters Metasurfaces are a solution to the existing problems of conventional beam splitters composed of natural materials [14, 206–212] which impose a relatively high cost, large loss and

Beam Splitters

Beam splitter cubes can be used for simple light beams, and also for beams carrying images, e.g. in various types of cameras and projectors. Cube beam splitters cannot tolerate high optical powers as

Optical Glass Cube Dichroic Beam Splitter Prism Ratio 50:50

1.Material: Optical Glass 2.Size: 15*15*15mm 3.Splitting Ratio:50:50 4. Application: optical equipment or education, experiment 5. The beam splitter is an optical component used to split the incident light

Thorlabs · Optical Beamsplitters

Thorlabs offers a wide range of optical beamsplitters. Our plate beamsplitters have a coated front surface that determines the beam splitting ratio while the back surface is wedged and AR coated in

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Beamsplitters

We understand that high laser damage threshold and beam displacement are important considerations when incorporating a beam splitter into a new optical design, and will work with you to navigate our

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.

Optical Beamsplitter

A beamsplitter is an optical component used to split a beam of incident light into two parts in a laser or illumination system. Cube beamsplitters consist of a pair of precision right-angle prisms carefully

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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