Prisms

Knight Optical offer extensive custom prism capabilities in manufacturing bespoke optics to our customer's specifications.

We offer a range of materials and designs as small as 5mm up to sizes in excess of 200mm, with prism angle tolerances as small as 3 arcseconds where required. Prisms can be AR coated for improved transmission or mirror coated dependant on type.

CUSTOM CAPABILITIES

Types of Prism	Right Angle, Equilateral, Porro, Dove, Amici, Wedge, Rhomboid, Penta, Pellin-Broca, Littrow, Anamorphic Pairs, Corner Cube, Polygon, Fresnel, Inverting
Dimensions	5mm to 300mm+
Angular Tolerance	<3 arcseconds
Surface Form	< 1/10th wave @ 633nm
Surface Quality	< 10:5
Material	BK7 (or equivalent), SF11 (or equivalent), F2 (or equivalent), UV Fused Silica, IR Crystal
Coating Options	AR Coated Mirror Coated Blackened
Mounting Options	Mounted or unmounted

To keep up with the latest scientific developments, we guarantee that our in-house Metrology and Quality Assurance departments will not only deliver premium, individually inspected and tested optical components to your business, but should there be a need, can deliver bespoke optics designed to your exact specifications.

Contact our technical sales team to learn more about how our prisms can meet your custom specifications.

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Bringing quality into focus

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