

Polished Prisms

Product Information

Polished Prisms are semi-finished products made of optical glass. Various prism types are produced: Dichroic Prisms, Cross Dichroic Prisms (X-cube), RGB Prisms for 3CCD Video Camcorder, Total Internal Reflection Prisms (TIR), Triangle Prisms, Right Angle Prisms, Equilateral Triangle Prisms, Porro Prisms.

Our specific Advantages

- Pressing of prisms with highest degree of precision
- Long lasting experience with mass production
- Able to produce and handle big volumes with highest quality
- Highest ability to supply

Materials

Different types of optical glass, such as NBK7, NSK4, SF57HHT, SF6HT, SF2, SF11.

Quality Assurance

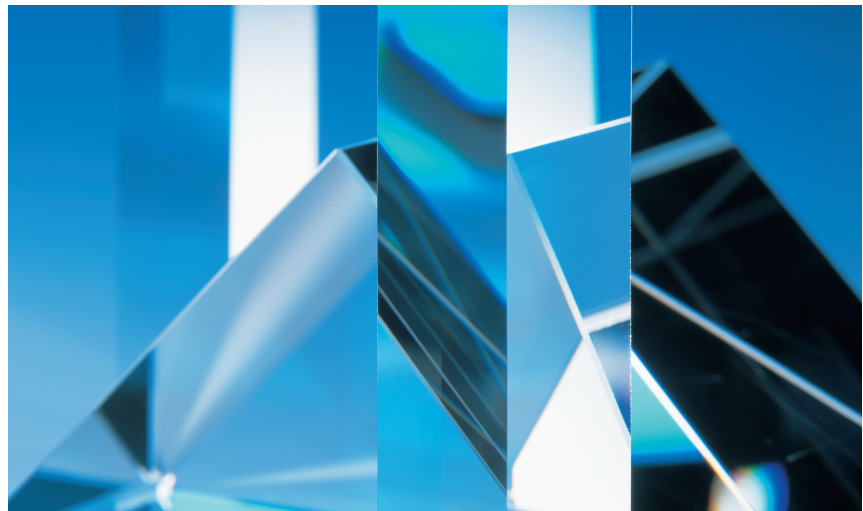
The following Quality Assurance Equipment is used:

- Zygo GPI Interferometer with I/10 accuracy for measuring surface flatness
- White Light Interferometer for surface quality measurement
- Zeiss Vista CMM machine for 3D measurement

For more information please contact:

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Specifications

Dimensional Tolerance	+/- 0.08 mm
Angular Accuracy down to	+/-1' depending on size
Flatness	5(3) (Special Request 3(2)), 0.25 – 0.5 fringes based on size
Surface Quality	Scratch/Dig down to 40/10 (Special Request 20/10)

Forms of Supply

Pressing => Milling => Polishing => Coating
Special configurations are available upon request.

Applications

Polished prisms can be used in a variety of applications, such as:

- PBS/TIR Prism for Digital Projection
- Optical instruments
- Microscopes
- Binoculars