



# Optical Prisms & Beamsplitters

## Optical Prisms & Beamsplitters

The Codex International Beamsplitters allow beam splitting in percentage of intensity and according to wavelength and/or polarization. The Codex International range of prisms and beamsplitters includes standard, dichroic, non-polarizing and polarizing splitters. The proposed beamsplitters can be supplemented with UV, Visible or IR anti-reflective treatments.

### I – Beamsplitters

| Type of Beamsplitters                                  | Material available               | Other  |
|--|----------------------------------|--|
| Broadband Non-Polarizing Cube Beamsplitters            | BK7, SF 2, UV Grade Fused Silica | From 5x5x5mm to 50.8x50.8x50.8mm. 45% reflected incoming beams. s- and p-polarized components matched to within 10%. |
| Broadband Polarizing Cube Beamsplitters                | BK7, SF 2, UV Grade Fused Silica | From 5x5x5mm to 50.8x50.8x50.8mm. Extinction ratio >500:1, 1000:1 average  |
| Laser Line Non-Polarizing Cube Beamsplitters           | BK7, SF 2, UV Grade Fused Silica | From 5x5x5mm to 50.8x50.8x50.8mm   |
| Laser Line Polarizing Cube Beamsplitters               | BK7, SF 2, UV Grade Fused Silica | From 5x5x5mm to 50.8x50.8x50.8mm   |
| High Energy Nd:YAG Laser Polarizing Cube Beamsplitters | BK7, SF 2, UV Grade Fused Silica | From 5x5x5mm to 50.8x50.8x50.8mm   |



II- Prisms

| Type of Prisms                    | Material available                         | Other                       |
|-----------------------------------|--|-----------------------------|
| Wedge prism                       | B270 / N-BK7/ H-K9L                        | Scratch & dig 60/40, 20 rms |
| Conic prism                       | quartz / UV fused silica                   |                             |
| Coated prism                      | N-BK7 / H-K9L                              | coated with AR coating      |
| Light scattering Optical Cone     | N-BK7 / H-K9L                              |                             |
| Optical glass prism               | Optical glass                              | 2 faces polished            |
| Equilateral Borosilicate prism    | Borosilicate                               |                             |
| Prism optical Switches            | OD0.2 to OD6 attenuator                    |                             |
| Anti-Reflect coated optical prism | optical glass schott, CDGM, Ohara, Corning |                             |
| Plano-convex Axicon               | B270                                       | Dia. 10mm, L 15mm.          |



For other technical specifications, please contact us :

[www.Codex-international.com](http://www.Codex-international.com)  
 Contact@codex-international.com  
 Tel : +33 146359657