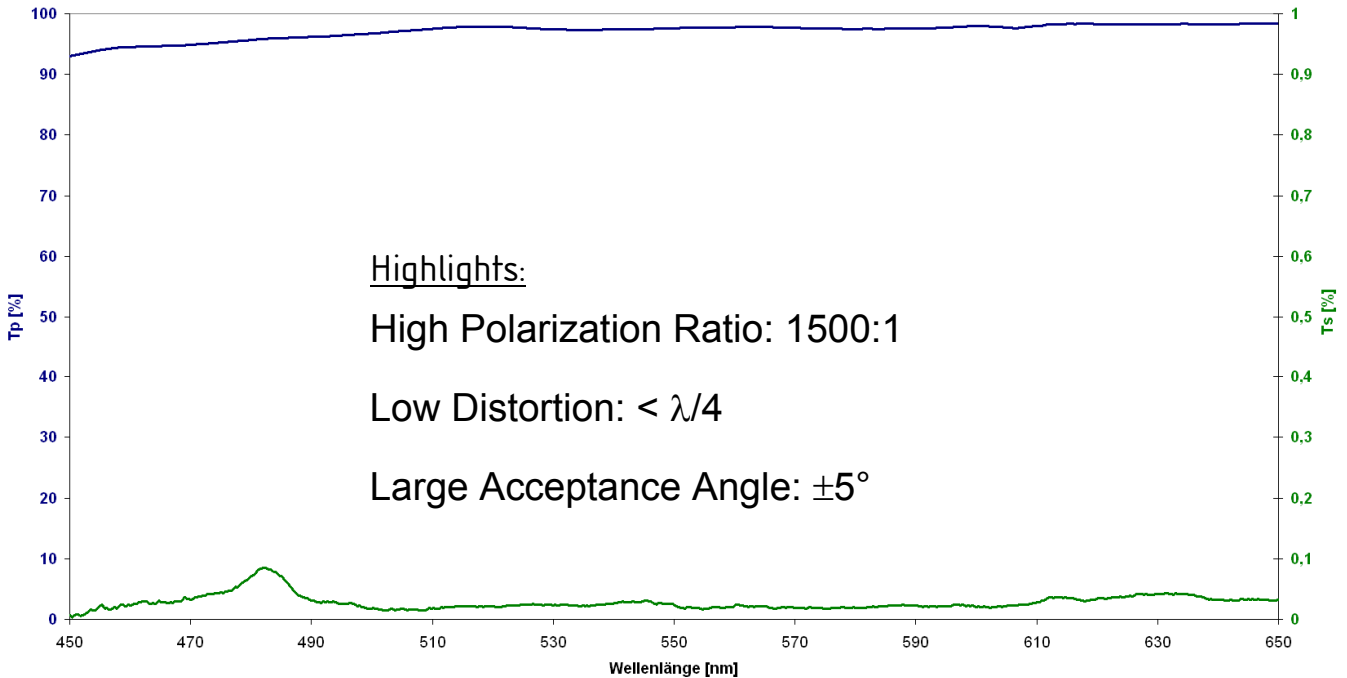
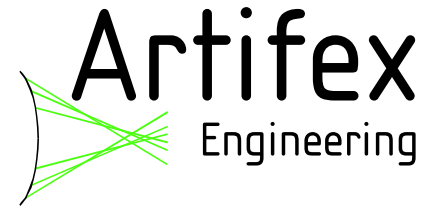


The Separatists!

Polarizing Beamsplitter Cubes



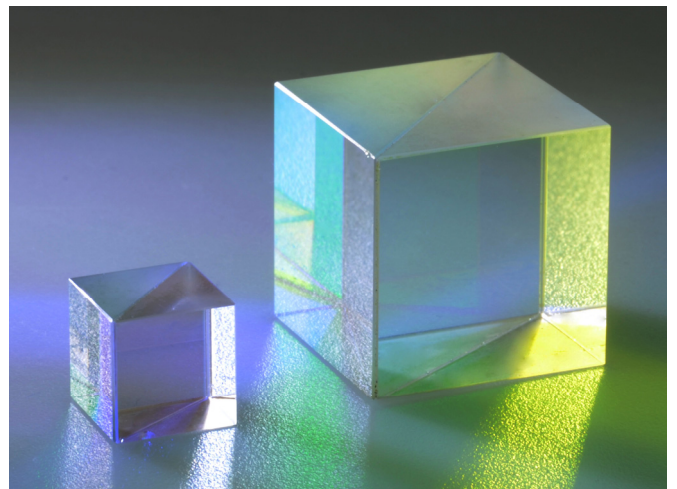
Our Offer in Detail:

The polarizing beamsplitter cubes from Artifex Engineering are manufactured with state-of-the-art coating processes to produce the results you require. And thanks to our unusually large acceptance angle, these beamsplitters will meet these requirements in the field without undue design effort or adjustment in your setup. Specifications can be misleading!

Whether in the lab, in metrological or in display applications, the very high polarization ratio of these cubes will hit the spot.

Specifications

- $T_p:T_s > 1500:1$ ($R_s:R_p > 100:1$)
- $T_p > 90\%$
- $R_s > 99.5\%$
- Acceptance angle: $\pm 5^\circ$
- Beam deviation < 5 arcmin
- Clear aperture $> 80\%$
- Wave front distortion $< \lambda/4$ at 633nm
- Surface quality: 40-20 S/D
- Coating: AR; $R_{avg} < 0.5\%$ at 0° AOI
- Damage threshold $> 0.2\text{J}/\text{cm}^2$ with 10ns Pulse (10Hz)
- Dimensional tolerance: $\pm 0.2\text{mm}$



Your Problem is our challenge - flexibility is our standard:

We will gladly adapt, for example the wavelength, size or shape to suit your application. Let us know your requirements.