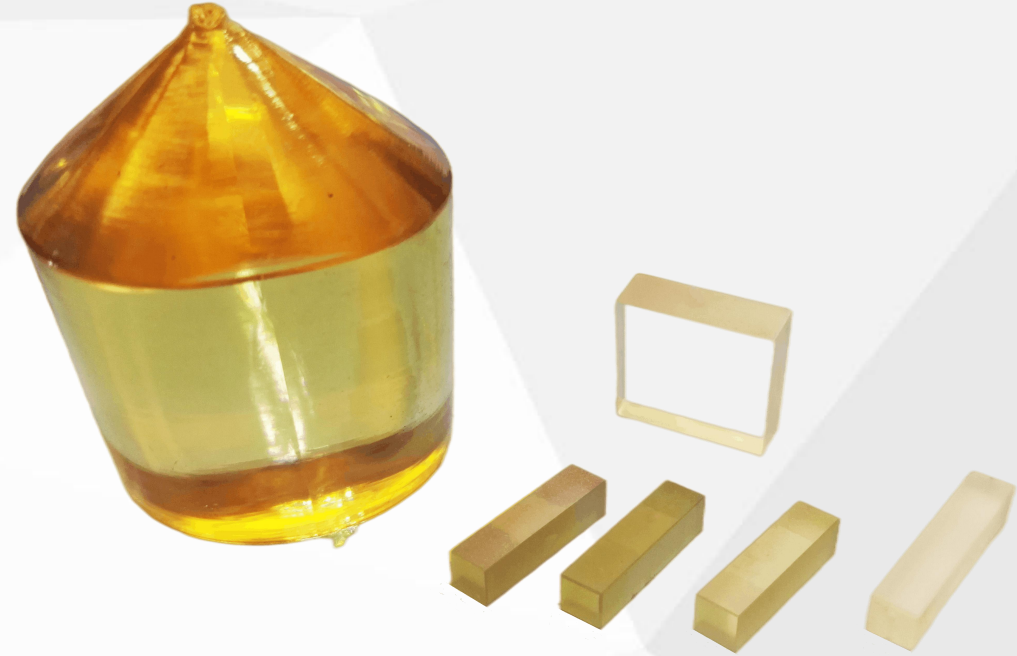


Undoped YVO₄ crystals

Undoped YVO₄ crystal is an excellent newly developed birefringence optical crystal and widely used in many beam displace online_orderings because of its large birefringence. It also has good physical and favorable mechanical properties than thers birefringent crystals, those outstanding properties make YVO₄ very important birefringence optical material and widely used in opto-electronic research, development and industry. For example, the optical communication system needs a large quantity devices of undoped YVO₄, such as fiber optical isolators, circulators, beam displacers, Glan polarizers and other polarizing devices.



Feature:

- It has very good transmission in a wide wavelength range from visible to infrared.
- It has high refractive index and birefringence difference.
- Compared with other important birefringence crystals, YVO₄ has higher hardness, better fabrication property, and water insolubility than calcite (CaCO₃ single crystal).
- Easier to make large, high quality crystal at lower cost than Rutile (TiO₂ single crystal).