Raicol Crystals Ltd.

Line of Business
Electro Optic

Established
1995

Leading Executives
David Gonen
CEO

Dr. Alex Skliar
CTO

Dr. Nahum Angert
VP of Crystal Science & Technologies

Raicol Crystals Ltd., a privately owned hi-tech company based in Israel, is a leading manufacturer of nonlinear optical materials and devices. Raicol's flux-grown KTP and RTP crystal products are world renowned for their high quality and reliability.
Raicol's dynamic and energetic team, including specialists in crystal growth technologies, technicians, production workers and members of the marketing and managerial team, ensures excellent technical support to its clients.
The company's state-of-the-art facilities in Israel house its cutting and polishing machinery, X-ray measurements systems, clean room and optical workshop, and these are integrated to ensure world-class quality and reliability for clients and OEMs.

In a separate laboratory, Raicol conducts intensive research in the development of new materials and devices as well as the improvement of existing products and technologies.

RTP Electro-Optic

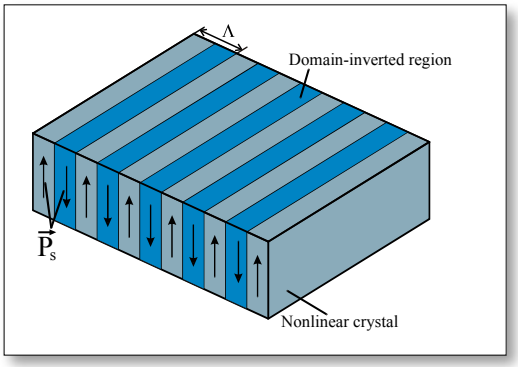
The RTP Electro-optic cell is built using two RTP elements in a temperature compensating design. The unique properties of RTP , including high electrical resistivity (~10^{11}:$10^{12}\Omega$*cm) and a high damage threshold, result in a Q-switch application with outstanding properties. These Q-switches have been tested at 100 kHz, with no sign of piezoelectric ringing.

Gray Track Resistant KTP Elements

The company's unique crystal growth technology ensures that its customers receive highest quality robust Gray Track Resistant KTP elements for intra-cavity CW and high average power SHG@1064 nm.
Raicol's patented technology for the fabrication of periodically poled KTP (PPKTP) enables the production of nonlinear elements for applications in diverse wavelenghths, ranging from visible to infra-red.

Periodically Poled Magnesium Doped Lithium Niobate (PPMgLN)

Periodically Poled Magnesium doped Lithium Niobate (PPMgLN) is an efficient non linear optical material for frequency conversion applications in the visible and mid IR wavelength range. PPMgLN high nonlinear coefficient allowing high conversion efficiency makes it very suitable for compact low power solid state laser systems.



Periodically Poled Stoichiometric Lithium Tantalate (PPSLT)

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Raicol is ISO 9001:2008 certified due to its meticulous supervision and comprehensive quality control over all stages of the crystal growth and fabrication process.

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