



QUANTUM TECHNOLOGY, INC.

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AUTOCORRELATOR CRYSTAL COATINGS

GENERAL INFORMATION NOTES

- 1) ***KD*P*** - This crystal usually does not degrade in atmosphere. Humidity up to 80% is not a problem for units that are 5 years old or newer. The polished crystal remains usable unless humidity becomes very high, 90%+.
- 2) ***BBO/ LBO*** - These crystals will degrade unless (1) coated, or (2) placed in a vacuum cell with windows. The coating used is **MgF_2** , or some other Oxide or Fluoride.
- 3) ***LiIO₃*** (Lithium Iodate) - This crystal does require a protective coating. The polished face surfaces degrade rapidly due to oxidation. **MgF_2** is the standard coating for these crystals.
- 4) All hard crystals, such as ***KTP*** and ***LiNbO₃***, are **A/R** coated - **NOT PROTECTIVE COATED**. These crystals are not water soluble and their polishing does not degrade. The **A/R** coating is used for index matching, keeping the reflective losses low.

AMI PRO - PAD - (AUTOCLE.SAM)



We Make It Crystal Clear