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OpTaliX Optical Engineering Software:

Praxis Optics is the only authorized distributor of OpTaliX® in the Americas. OpTaliX is the standard for value and performance in optical engineering software. It is a highly versatile optical design package used for demanding design work around the globe.
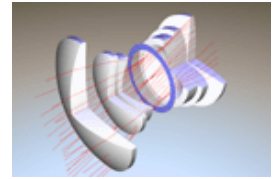
OpTaliX is available in three versions:

OpTaliX-PRO contains all features.

OpTaliX-EDU is functionally equivalent to the Pro-version and is offered to students and universities at a substantially reduced price.

OpTaliX-LT is shareware. It is a functionally reduced version of OpTaliX®-Pro/Edu. It is limited to geometrical analysis, however, it uses the same unrestricted raytrace engine as OpTaliX®-Pro/Edu. You may use the software 30 days for free.

10 reasons to use OpTaliX:

1. **Efficient Productivity:** The logical structure of OpTaliX®, its easy to use graphical interface (GUI) and its consistent command interface mean you get better results quickly and easily.
2. **Speed:** OpTaliX® is an optical design program designed for optimal computational efficiency of software codes. It uses the latest and fastest compilers and software techniques available.
3. **Analysis:** Get the most information of your designs from a comprehensive suite of analysis capabilities such as geometrical and diffraction analysis, multiple tolerance analysis, transmission analysis, polarization analysis and many more.
4. **Accuracy:** OpTaliX® uses double precision (64bit) internal arithmetic representation throughout the program. It has the most accurate state-of-the-art algorithms implemented without compromizing generality.
5. **Optimization:** OpTaliX® provides several optimization algorithms to obtain superiour designs. Extremely flexible methods for building custom error functions allow you to solve virtually any optimization problem.
6. **Example Designs:** Get easily started with with more than 500 designs from publications and patent literature and more than 8000 catalog lenses.
7. **Compatibility:** OpTaliX® interfaces easily in both ways (import and export) with other optical design and thin film packages so that you can collaborate with others or examine designs regardless of the program used.
8. **Quality:** Count on stability and accuracy. OpTaliX® is thoroughly tested as we routinely use it in our daily design work. Test cases are developed in parallel with code and beta tests are held at selected customer sites.
9. **Support:** Expect prompt to your problem within 24 hours. Reported bugs will be immediately fixed and made available for download. Support subscriptions are very affordable.
10. **Experience:** OpTaliX® is written by optical designers and it incorporates 25 years of experience in practical lens design, optical engineering and software development.

Contact us to discuss how Praxis practical expertise can benefit you.

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