INO COMET FAQ

WHAT IS COMET?

Comet is a collaborative software for optomechanical tolerance analysis enabling realistic modelling of the mechanical mounting of optical elements.

WHO IS COMET FOR?

Comet is designed for optical designers and optomechanical engineers.

WHAT BENEFITS DOES COMET BRING?

Comet brings the following benefits:

- *Improve your optical performance predictions using realistic optomechanical models for tolerance analysis.*
- *Explore various assembly scenarios within minutes to find the best solution for your project.*
- *Better control your production yield while avoiding making unnecessary costly decisions.*
- *Gain efficiency in the communication between optical designers and optomechanical engineers, reducing risks of errors and misunderstanding.*

WHAT FEATURES DOES COMET OFFER?

Comet offers features such as:

- *Compatibility with OpticsStudio.*
- *Integrated model linking the optomechanical tolerance analysis to the optical model.*
- *Providing a common information sharing tool to facilitate communication between optical designers and optomechanical engineers and guiding both, step by step, to prepare tolerance analysis.*

WHAT ARE THE SYSTEM REQUIREMENTS FOR COMET?

The minimum system requirements are:

- **OS**
  - *Windows 10 version 1909 or higher*
  - *Windows 11*
- **Processor**
  - *Minimum: any Intel or AMD processor 64-bits*
  - *Recommended: any Intel or AMD processor 64-bits with four logicals cores*
- **Disk**
  - *Minimum: 5 GB*
  - *Recommended: An SSD*
- **RAM**
  - *Minimum: 4 GB*
  - *Recommended: 8 GB*
- **Ansys Zemax OpticStudio 2023 R1.03**
- **Matlab Runtime 2025a**
- **Internet connection for licence activation**

WHERE CAN I LEARN MORE ABOUT INO'S WORK ON TOLERANCE ANALYSIS AND THE COMET SOFTWARE?

You can read more in our technical paper, Powerful standalone application for realistic optical tolerancing, available in the Resources section of our website.

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