

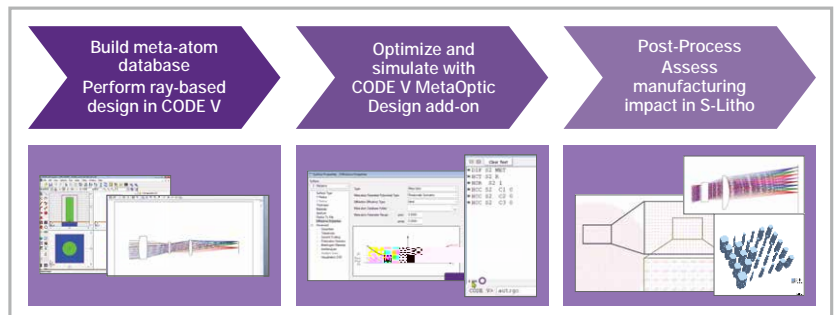
Key Features and Benefits

- Cutting-Edge Metalens Technology:**
 Utilize advanced metalens technology to enhance optical systems. Metalenses, a type of diffractive element, offer significant improvements in focusing performance, miniaturization, and efficiency, making them indispensable tools for optical engineers.
- Sophisticated Meta-Atom Modeling:**
 Use advanced modeling to apply intricate patterns of meta-atom structures to optical systems.

The CODE V MetaOptic Design add-on supports a significant advancement in optical technology by enabling the design of meta optical surfaces. These surfaces are thin, flat structures that can significantly enhance the performance and functionality of traditional lenses. Metalenses, like other diffractive elements, have the potential to become a powerful new tool in an optical engineer's toolbox.

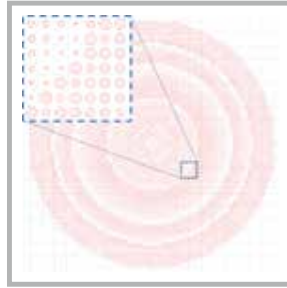
Comprehensive Metasurface Design Workflow

- 1. Build meta-atom database**
 - Can be a pre-supplied database or custom database using [DiffractMOD](#), [RCWA](#) or [FullWAVE FDTD](#)
 - 2. Perform ray-based design**
 - Set optical system in CODE V
- View results
- Perform post-processing
 - Integrate manufacturing impact in your design using [Synopsys S-Litho](#)



Manufacturing Support for Seamless Production

You can export your CODE V meta optic design to a GDSII file, which is required by manufacturers.



Licensing and Activation

This tool is an optional add-on for CODE V and is available for an additional fee. It also requires Synopsys Common Licensing for activation.

For more information, please contact the Synopsys Optical Solutions team at (626) 795-9101, visit [synopsys.com/optical-](https://www.synopsys.com/optical-)
