

Standard Finite Conjugate Platform

The Standard Finite Conjugate Platform can be built into a standalone, finite conjugate only test bench, or can be added to an infinite conjugate LensCheck VIS as an upgrade. When used as an upgrade for a LensCheck, the Image Analyzer, Image Analyzer Mount and Lens Mount are removed from the LensCheck and installed on the Finite Conjugate Platform, and the LensCheck computer can run both test setups with a simple OpTest 7 software upgrade.

The Standard Finite Conjugate Platform includes:

- 20X and 60X object re-projection objectives
- Motorized X axis, manual Z axis for object
- 500mm mounting rail to accommodate a wide range of test setups
- Adjustable LensCheck tower mount with manual X,Y,X stages and C-mount lens mounting plate

Small Format Finite Conjugate Platform

The Small Format Finite Conjugate Platform is configured for measuring image quality parameters for lenses designed for close conjugate imaging (object distances less than 300mm). It can be configured either as a standalone test bench, or it can be added as an upgrade to a standard LensCheck system.

This platform is suitable for testing lenses used for the following applications:

- Medical imaging and other surgical applications
- Cell imaging systems
- Low-magnification microscopy
- Finite conjugate objectives (objective/tube lens pairs)
- Inspection or short TTL machine vision optics
- Macro lenses

The Small Format Finite Conjugate Platform includes:

- 20X and 60X object re-projection objectives
- Motorized X axis, manual Z axis for object
- 500mm mounting rail to accommodate a wide range of test setups
- Adjustable LensCheck tower mount with manual X,Y,X stages and C-mount lens mounting plate

Adjustable Conjugate Upgrade

The Adjustable Conjugate Upgrade can be added to a new or existing LensCheck to allow for infinite conjugate and finite conjugate testing of small lenses with one system. Unlike the other finite conjugate platforms that Optikos offers, the Adjustable Conjugate upgrade allows for testing with both positive and negative object conjugates (real and virtual objects for the UUT), with possible object distances ranging from -1m to infinity to +1.2m.

Finite Conjugate System Specifications			
	Standard Finite Platform	Small Format Finite Platform	Adjustable Finite Upgrade
Object Distance Range	0 to 1000mm	0 to 300mm	-1m to infinity to +1.2m
Maximum Object Size	±250mm	±125mm	±105°
Footprint	82" x 30"	32" x 14"	Same as standard LensCheck VIS



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