



# Protective Hygienic Shield for Indirect Ophthalmoscope Lamp

TECHNOLOGY NUMBER: 2020-444



## OVERVIEW

A large shield specifically designed to fit Heine Omega ophthalmoscope lamps

- Designed to protect eye care professionals and patients
- Free, downloadable files available to enable rapid prototyping for all who need it

## BACKGROUND

University of Michigan researchers have developed a suite of hygienic shields or breath shields for use during ophthalmologic exams in order to reduce eye care professionals' risk of exposure to pathogens in breath droplets and other secretions. All designs are available for download for easy and rapid fabrication by anyone with access to a CNC machine.

This specific listing is for a hygienic shield or breath shield for use with indirect ophthalmoscope lamps. This is a custom design specifically made to fit Heine Omega ophthalmoscope lamps. The shield is designed to protect the eye professional from a patient's respiratory droplets and other secretions during the eye exam. The shield is made with a flexible and transparent material.

Technical drawings for the shield are available for download here in five different formats to facilitate dissemination and use. The files are available for anyone to download and fabricate and/or modify, as needed, to suit their needs in these perilous times.

## ADDITIONAL DETAILS

The user may modify the files as needed and/or send them directly to a CNC machine for local generation of the product. The design files for the Protective Hygienic Shield for Indirect

## Technology ID

2020-444

## Category

Medical Devices  
Life Sciences

## Inventor

Lauro Ojeda  
Lev Prasov  
Phuoc Nguyen  
Shahzad Mian

## Further information

Katherine Pollard  
[kpollar@umich.edu](mailto:kpollar@umich.edu)

## Learn more



Ophthalmoscope Lamp are available free of charge under the Creative Commons CC0 1.0 Universal (CC0 1.0) license.