

MH Optical
Pelican Optical
New Hampshire Optical



PRODUCT CATALOG

WELCOME TO MH OPTICAL LABS

With 80 years behind us, MH Optical Labs has focused our passion for optics on creating the best products and services for the independent eyecare professionals.

We believe that private eyecare practices are the backbone to this industry, giving their patients the most customized experiences and offerings. Through this model, MH Optical Labs has pushed itself to continue to grow, explore, and implement the most cutting edge technologies and products. We offer an expansive range of products, providing name brands and affordable in-house options, to give your patients an optimal visual experience.

We hope you take the time to look at all of our exciting offerings, which show current trends and a glimpse of what our labs and people are capable of. See how MH Optical Labs can benefit your business.

Together let's keep this industry one that we can be proud of!

Sincerely,

Your Friends at MH Optical Labs

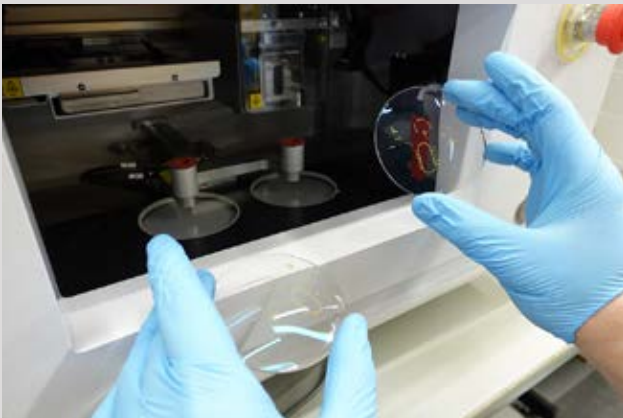


Check out our YouTube Channel featuring Jeff Hirsch, showing different aspects of the lab, production, and great information about products.



What's new?

MH Optical Labs has not stopped exploring new technologies to make our labs efficient and produce the highest quality products we can. Take a peek at some of the newest additions to our labs.



Teco X-Cube Lens Digi-Speed Printer

This machine allows us to print on edged and non-edged lenses with solid ink that is instant drying, easy to remove, no ghost images, and leaves no residues.



MEI EasyFit Trend

The EasyFit Trend features an innovative tracing system that further increases the overall productivity, and a new modern and compact design. It will allow for faster turnaround times on project jobs and custom engravings in our Edging Department.



Bühler Syrus 1100

This is the most productive and cost-efficient ophthalmic coating plant to be found on the market today. Designed for large batches, allowing quick turnaround time for our AR lenses.



Engraving samples. The MEI EasyFit can engrave logos, drawings, initials, names, and icons.

PROGRESSIVES

VARILUX
an Essilor Lens

FLEX OPTIM™ TECHNOLOGY

A DESIGN THAT ADJUSTS TO YOUR PATIENT'S
VISION PROFILE.



Keeping the wearer at heart, Essilor's design calculator automatically determines the optimal vision profile based on the RX and ADD of the wearer.

Varilux® Comfort Max: a lens that maximizes the area of useful vision ©Varilux®

Varilux

We have a large variety progressive lenses by Varilux® ready for your patients. Whether you're dispensing the tried-and-true Comfort® 2, or upgrading your patients to digital with DRx™ or Varilux X Series™, MH can complete your order right here in-house to give you high-quality fast service.

Varilux X Series™ offers the crispest, cleanest vision in all light conditions, the "Xtend" technology in these lenses actually allows wearers to change from their near, intermediate, and distance zones without even moving their heads!

Comfort Max features FlexOptim™ technology to provide the largest area of useful vision and gives patients a more natural posture.



shamir

Shamir

We surface all Shamir lenses in our labs, including their high quality progressives. Available lenses include: Autograph® II, Autograph® III, Spectrum +™, Intelligence™, Intouch™, Office™, WorkSpace™, Computer™, SV Autograph®

Shamir Featured Lenses:

Shamir Computer™ is ideal for computer or any close up task, providing a wide field of near viewing with clear vision up to 5ft.

Shamir WorkSpace™ provides a greater depth of field, allows sharp vision for work at the desk or communicating with a colleague across the room.

Shamir Autograph Intelligence™ has been specifically designed to match the physiological age of the eye, generally correlated with the patient's chronological visual age.

Depth of Field: Shamir Computer™



Depth of Field: Shamir WorkSpace™



Illustration of the DOF of Shamir Computer™ & Shamir WorkSpace™ ©Shamir

iForm

iForm™ is our impressive in house IOT digital lens designed for sharp vision, a large reading area, and smooth progression from distance to reading available in both Basic and Advanced designs.

The **Digital Ray-Path®** technology allows for backside customizable digital lenses providing better vision in all zones for the lens and is completely customizable with parameters for each patient. These lenses offer personalized prescriptions and additions, monocular pupillary distance, pupil height, our Advanced design also offers position of wear measurements for complete customization (pantoscopic angle, wrap tilt, back vertex distance, and near working distance). They are also available in most materials and colors!

Camber Steady Plus lenses provide the wearer with an unbeatable visual experience: wide reading zones, improved peripheral vision, extended power range, more aesthetically pleasing lenses, and unbeatable near vision performance. iForm™ doesn't stop at a progressive, be sure to try our other digital designs:

- Digital Bifocals
- Digital Executive
- MH Thinning (+/-)
- Task specific iForm™ DOC (Desk, Office, Conference)

Big minus Rx and big wrap frame? No big deal with iForm™! Checkout www.digitalray-path.com to see more of the science in an iForm™ design.

Exceed Deluxe

Exceed™ Deluxe is a full back-surface digital progressive and although it is a more modern design, it is still at a very affordable price. It's an excellent way to introduce patients to FreeForm when price is an issue.

KODAK

KODAK Progressive Lenses utilize advanced proprietary technologies to offer sharp, clear vision for distance, intermediate and near vision.

Featured KODAK Lenses:

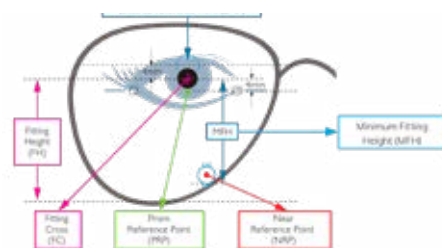
KODAK Unique™ Lens helps with the increasing use of digital devices in our daily lives, which has prompted the need for lens designs that focus on the intermediate and reading areas.

KODAK Precise® PB Lens is a digitally-created full backside progressive lens offering easy adaptation, along with smooth transition between near, mid and far distances. Also available in short-corridor for smaller frames.

iForm™



Digital Ray-Path®, advanced technology free-form fully personalized digital lenses with back surfacing. ©IOT



Personalized parameters to create personalized lenses. ©IOT

Digital Ray-Path is a registered trademark of Indizen Optical Technologies S.L.U.

Camber is a trademark of Younger Mfg. Co.



KODAK Lens
See the Colors of Life



SINGLE VISION

Eyezen

Eyezen+ single vision lenses offer 4 levels of relief for patients that suffer digital eye strain, contains up to 20% Harmful Blue Light protection, and comes with W.A.V.E. technology for sharper vision.

Eyezen Start brings you the prescription you need for all angles and all activities, adapted for wearers who suffer low to moderate levels of eyestrain.

Eyezen Kids uniquely designed for how children see the world, with a larger area of optimization compared to standard single vision lenses to provide a better all-around visual experience. Plus, they filter Harmful Blue Light.

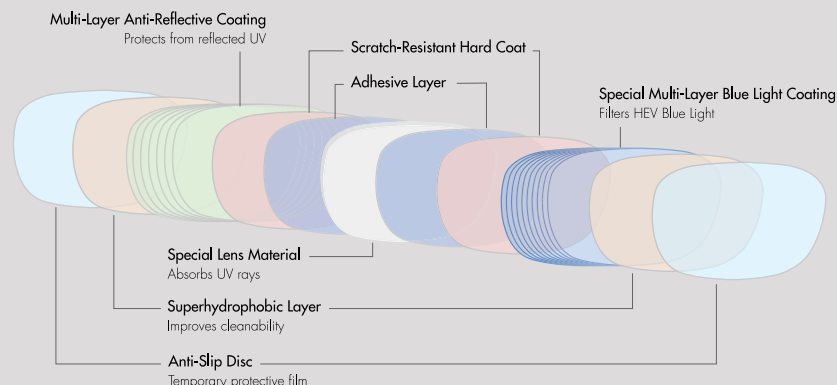
iForm

SV The best digital SV lens that offers fully customizable lens, is great for reading on digital devices, and offers sharp vision in all gaze directions.

BLUE LIGHT DEFENSE

Patients have become more aware of the dangers of blue light and its effects on our health. We have a range of options to help you help your patients.

- **KODAK Total Blue®** lenses offer 100% protection from UV rays and filters Harmful Blue Light, reducing the risk of long term exposure up to 80%. These clear lenses help with eye strain and eye fatigue and show true color perception that will make prolonged digital device usage more comfortable.
- Our house brand, **Blue Fit**, has virtually no noticeable coloration and is at a great price. Try it as single vision (stock available) or iForm™ digital progressive.
- **Crizal® Previncia®** defense is through a specially designed AR coating that will reflect the harmful range of light. This gives it a distinct purple-violet coloration and it will also have the benefits of a premium AR, such as smudge and scratch resistance and a 2 year warranty.
- **BluTech®**, available in 1.56 index is excellent for patients who put their health above all else, as it offers superior protection with a distinct coloration. Try it as surfaced single vision or iForm™ digital progressive, it even works with a polarized lens.



Kodak Total Blue® hybrid lenses offer UV and Blue Light Management

©Kodak

POLARIZED AND PHOTOCROMICS



Comes marked for easy edging.

MH makes it easy for you to dispense a pair of sunglasses that your patients will absolutely love and provide protection from sun in all seasons.

Polarized

- Gradient polarized come in Polycarbonate and in 3 colors: Grey-Grey, Brown-Brown, and Brown-Grey.

Photochromic

- Transitions™
 - **XTRActive®** for extra darkness and even changing behind the windshield
 - **XTRActive® Polarized™**, the polarized Transitions™
 - **Drivewear®**, changes color behind a windshield
- Low-cost, high-quality **Sunsations** in thinner Mid-Index, and now 1.67 Index

All polarized and photochromic lenses are done at MH and can be ordered as a variety of lens designs, including iForm™ Digital Progressives.



STYLE COLORS:



Transitions® Signature® Style Color Options ©Transitions®
XTRActive® lenses come in both Iconic Colors and Style Mirror Colors.

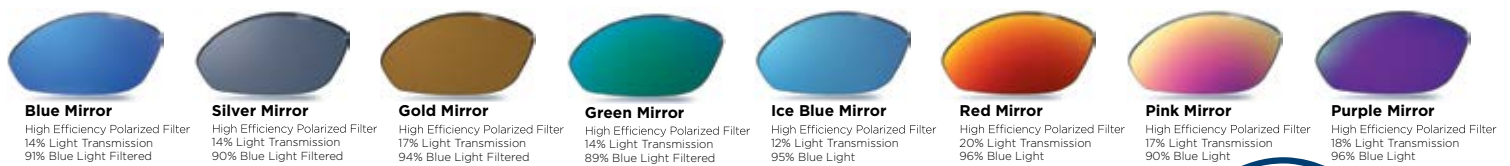
ICONIC COLORS:



MIRRORS

We apply a large variety of mirror coats here in our lab, all coming with complementary back-side AR. You can also save time by asking for one of our Pre-Coated Mirrors, which are semi-finished blanks made by Essilor's KBco™ that have the mirror already applied on the front of a polarized lens so all we need to do is surface and put on a back-side AR. Make sure to ask the new Matte Mirror colors!

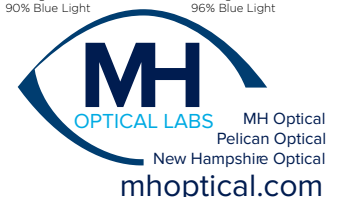
They can be made as Single Vision and iForm Digital Progressives in either Polycarb or 1.67. Some of our pre-coated colors are:



KBco™ Select Mirror Color Options

©KBco™





All MH mirrors are warranty for 1 year and include a back-side AR in the price.



AR COATINGS

Crizal

Our in-house Crizal® Coating Facility makes your turn around time quicker. See options below.

CORE RANGE						
	REDUCTION OF REFLECTIONS	BACKSIDE UV PROTECTION 	EASINESS TO CLEAN 	DUST REPELLENCE Anti-Particulate Layer	DURABLE RESISTANCE 	OPTIMAL TRANSPARENCY 
NEW Crizal® Sapphire ^{HR}						
Crizal® Rock TM						
NEW Crizal® Easy ^{Pro}						
NEW Crizal® Easy [®]						
	REDUCTION OF REFLECTIONS	BACKSIDE UV PROTECTION	EASINESS TO CLEAN	DUST REPELLENCE	HARMFUL BLUE LIGHT ⁽⁴⁾ FILTRATION	
Crizal® Previncia [®]						

Crizal coating options ©Crizal

In-House Premium and Standard Coatings

If there's no AR on a lens, it will not be as good as it can be. Today's w also can help resist smudges and scratches that make patients dislike wearing eyewear.



Premium Coatings

Granite Package: Our house brand high-end coating gives patients everything they expect from an AR – durability, smudge and dirt resistance, and a dipped scratch-resistant foundation, backed with a 2-year warranty. Granite comes with a classic green reflex color.

Carat Advantage: An upgrade to the popular Super ET, Advantage offers a superior scratch, smudge, and dirt resistant topcoat. It has a 2-year warranty and a blue reflex color.

Standard Coatings

ARP: Our house brand standard AR. Affordable and effective, ARP has a classic green reflex color.

Super ET: Big name with a little price tag, Zeiss SET has a blue reflex color.



STOCK LENSES

We have a large variety of stock lenses available at MH Optical Labs. These lenses will ship out next day and offer other great conveniences, including surfacing and stock shipping bundles, no minimum orders, and some high index options. We have highlighted some of our most popular options below. Contact customer service to find out more.

	Clear	AR	Premium AR	Easy	Alize	Rock	Sapphire	Previncia	Kodak Blue	House Blue
CR39	✓	✓	✓	✓	✓	✓	✓	✓		
House Photo	✓	✓								
Trans 8	✓		✓		✓		✓			
Poly	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
House Photo	✓		✓							
Trans 8	✓		✓		✓		✓			
1.67	✓	✓	✓	✓	✓	✓			✓	
Trans 8			✓		✓		✓			
1.74			✓							
1.60	✓	✓	✓		✓				✓	
Trivex	✓		✓		✓					

STOCK FRAMES AND ACCESSORIES

We keep frames in stock for convenience and fast turnaround. Vendors include the following:

Eight to Eighty

Serafina Eyewear®

Affordable Designs®

Modern Eyewear®

Capri Eyewear®

Value and Vivid Eyewear

Geek Eyewear®

Hilco Vision

Milo & Me



Hilco: C2 Leader Frames are industry leading sports goggles that we keep all sizes and colors in-house. Pair with our iForm for a complete pair of sports goggles.

Cleaning Cloths, Frame Cases: We have an assortment! Call for bulk pricing.

ORDERING OPTIONS

We offer an online ordering program that will place your job into our Lab Management System (LMS) right away, 24/7. Of course, we're still here to take orders or answer any questions by phone.

Jobs to be done complete (i.e. edged with a frame) can be sent in with UPS, USPS, FedEx, or local messenger service.

Online ordering features include:

- Order Form
- Order History
- Job Status
- Lens Lookup
- Stock Ordering
- Redo Request



The Enhanced Ordering System on
mhoptical.com

MH OPTICAL PSY/STOCK ORDER FORM

Account Number:

Account Name:

Email:

Lens Type	SPH	CYL	ADD	R/L Eye	QNTY (pieces)	Patient's Name
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
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None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
None	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

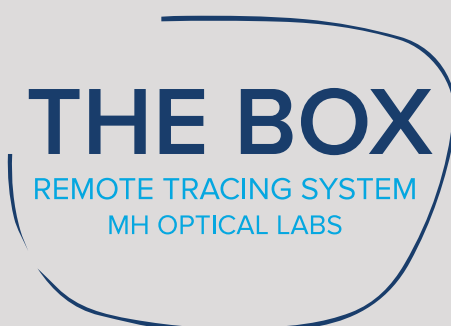
Instructions:

Submit:

Stock Ordering System on mhoptical.com

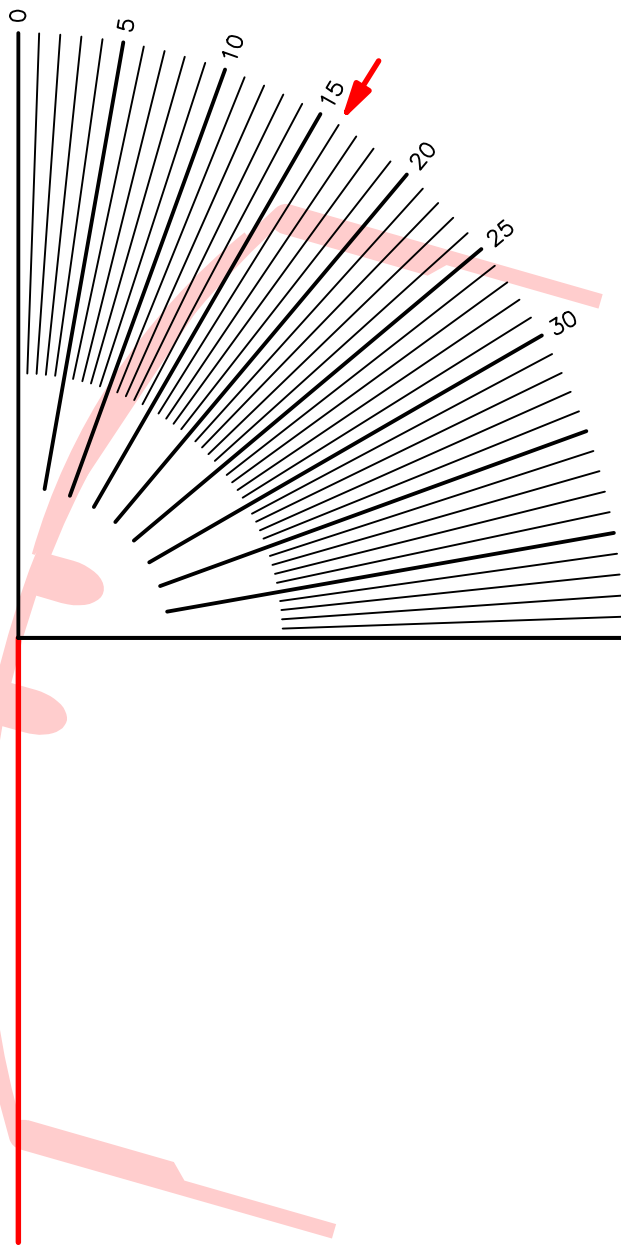
REMOTE TRACING SYSTEM

THE BOX is a great addition, giving you the ability to trace frames in your office! Set up to eliminate loss and damage of frames, as well as speeding up each job. The box comes with a brand new tracer, computer, all needed software and cables, as well as tutorials and a manual. Call to find out how to lease and for available offers.



CUTOUT CHART

FRAME WRAP ANGLE



HOW TO MEASURE FRAME WRAP / ZTILT
Place the frame, top side down, over the hi-lited red frame image. Ensure the center of the frame's front is directly over the "T". Record the angle of frame wrap from the extreme right side of where the lens ends, not where the frame ends.

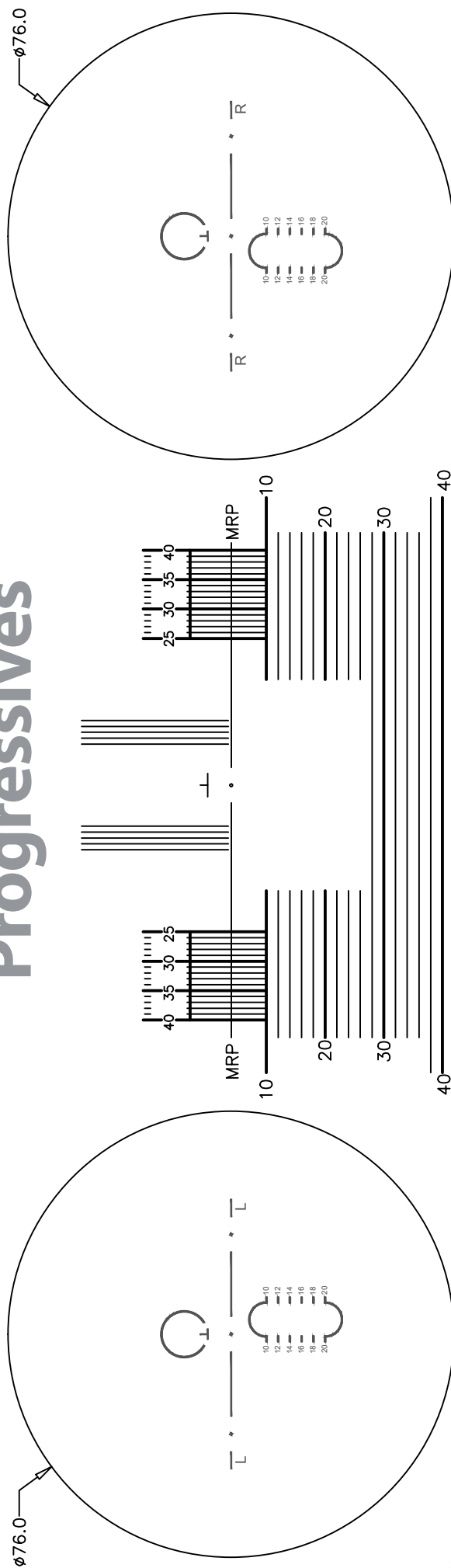
PLEASE NOTE:

This chart will not work as a measurement tool unless printed at exactly 1 to 1 scale. Be sure that your print options are set to Page Scaling: None
DO NOT select "Fit to Printable Area"

1 inch



Progressives





www.mhoptical.com   
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