

## About Us

VCD Labs was created in a joint venture between Independent Eye Care Professionals and PFO Global to be an innovative manufacturer of advanced lens design, finished eyewear and vision technologies. It is our conviction that the Independent ECP is second to none in quality of care for their patients, and to be able to do this well they need a solution that gives them a cost advantage to other players in the market. It's for that reason that we are proud to be a company with a number one focus on meeting today's economic needs with tomorrow's technologies that enhance the quality of life and transforms business.

For more info visit [www.vcdlabs.com](http://www.vcdlabs.com)

*“DEVELOPING TECHNOLOGY  
THROUGH DISRUPTIVE INNOVATION  
THAT FINALLY ALLOWS THE  
INDEPENDENT ECP TO COMPETE.”*

- Rudolph Suter, President & CEO  
PFO Global



## What is Free-Form?

Free-Form is the state-of-the-art technology that has revolutionized the way ophthalmic lenses are made. Also known as digital, internal, and even backside technology, these terms for Free-Form can refer to the lens design, the tooling or the manufacturing-surfacing technology.

Thus, many lenses can all be called Free-Form. From a purist point of view, not all Free-Form lenses are created equal. Free-Form manufactured molds are used to make lens blanks for conventional progressive lenses. For a superior Free-Form lens, you need both a great design and a great surfacing technology.

Digital free-form lenses fall into two basic categories:

### Optimized

Designed to provide the best possible optics with a progression of add power and width of the progressive channel. Design and manufacturing of these lenses takes into consideration the following:

- a. sphere power
- b. cylinder power
- c. axis
- d. add power
- e. prism

The optical quality of these optimized lenses is far superior to traditionally fabricated lenses.

### Frametized

These lenses come with multiple corridor lengths and are adjusted according to patient need and lifestyle. Design and manufacturing of these lenses takes into consideration all of the parameters of the optimized lens plus:

- a. frame dimension (A & B)
- b. fitting height

Frametized lenses can also be developed into a fully customized lens by adding the following parameters:

- a. vertex distance
- b. pantoscopic tilt
- c. face wrap

Customized lenses are exactly what the name implies: customized to every facet of the patient's Rx and frame, and how the frame actually sits on the patient's face.



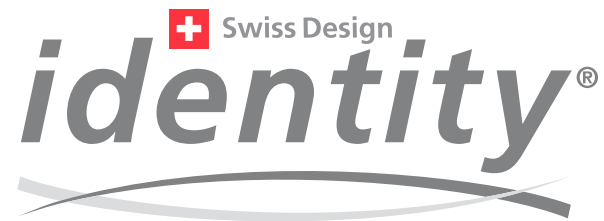
# Optimized Free-Form Lenses from VCD Labs

acuity® lenses guarantee the highest optical performance with outstanding cosmetics. Its backside progressive design with a wide vision area guarantees optimal sight in all distances to the wearer. The optimized base curve selection combined with three different corridor options offers a thinner and more optimized lens, and are proven to be 98% adaptable in user acceptance tests; even first time presbyopes. acuity® has a wide range of available Rx and materials.

## Available Materials

| Material                  | Sphere          | Cylinder       |
|---------------------------|-----------------|----------------|
| 1.50                      | +5.00 to -6.00D | -0.25 to -4.00 |
| Resolution® Polycarbonate | +5.00 to -6.00D | -0.25 to -4.00 |
| Poly Polarized            | +5.00 to -6.00D | -0.25 to -4.00 |
| Poly Transitions VII®     | +5.00 to -6.00D | -0.25 to -4.00 |
| 1.60                      | +5.00 to -6.00D | -0.25 to -4.00 |
| 1.67                      | +5.00 to -6.00D | -0.25 to -4.00 |
| 1.50 Polarized            | +5.00 to -6.00D | -0.25 to -4.00 |
| 1.50 Transitions VII®     | +5.00 to -6.00D | -0.25 to -4.00 |
| 1.60 Transitions VII®     | +5.00 to -6.00D | -0.25 to -4.00 |
| 1.67 Transitions VII®     | +5.00 to -6.00D | -0.25 to -4.00 |

| Add            | Corridor Length | Minimum Fitting Height |
|----------------|-----------------|------------------------|
| +0.50 to +3.50 | 9mm (S)         | 16mm                   |
|                | 11mm (M)        | 18mm                   |
|                | 13mm (L)        | 20mm                   |



## Frametized Free-Form Lenses from VCD Labs

identity® lenses are custom, state-of-the-art digital progressive lenses made with exacting Swiss precision to the precise specification of each individual wearer. The result is a superior visual experience with outstanding cosmetics that go far beyond standard progressive lenses. identity® fits your life and your style with designs to fit the way you live and almost any frame you choose. identity® is available in a wide variety of thin, strong, and lightweight materials.

### Available Materials

| Material         |                           | Sphere           | Add Range      |
|------------------|---------------------------|------------------|----------------|
| Clear            | 1.50                      | -11.00 to +10.50 | +0.50 to +4.00 |
|                  | Resolution® Polycarbonate | -16.00 to +12.00 | +0.50 to +4.00 |
|                  | 1.60                      | -14.00 to +9.50  | +0.50 to +4.00 |
|                  | 1.67                      | -16.00 to +12.00 | +0.50 to +4.00 |
|                  | Trivex                    | -11.50 to +8.00  | +0.50 to +4.00 |
| Polarized        | 1.74                      | -11.00 to +9.00  | +0.50 to +4.00 |
|                  | 1.50                      | -9.00 to +7.00   | +0.50 to +4.00 |
|                  | Resolution® Polycarbonate | -14.00 to +9.00  | +0.50 to +4.00 |
|                  | 1.60                      | -14.00 to +8.00  | +0.50 to +4.00 |
| Transitions VII® | 1.67                      | -15.00 to +9.50  | +0.50 to +4.00 |
|                  | 1.50                      | -11.50 to +8.00  | +0.50 to +4.00 |
|                  | 1.60                      | -16.00 to +10.50 | +0.50 to +4.00 |
|                  | 1.67                      | -13.00 to +10.00 | +0.50 to +4.00 |
|                  | Polycarbonate             | -13.00 to +10.00 | +0.50 to +4.00 |
|                  | 1.74                      | -11.00 to +9.00  | +0.50 to +4.00 |

| Corridor Length | Minimum Fitting Height |
|-----------------|------------------------|
| 9mm (S)         | 16mm                   |
| 11mm (M)        | 18mm                   |
| 13mm (L)        | 20mm                   |

# Four Custom Lens Designs to Match Any Lifestyle

Swiss Design  
**identity***smart*<sup>®</sup>

A fully aspheric design with an optimal balance between the far and near vision zones. This lens is ideal for general everyday use.

Swiss Design  
**identity***home*<sup>®</sup>

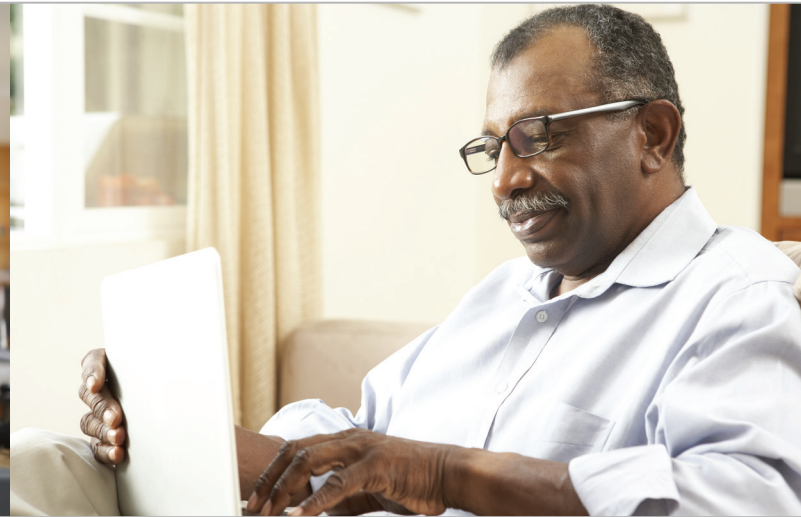
Designed with an expanded near vision zone. This lens is ideal for reading, computer and lobby use with plenty of distance area for driving and watching TV.

Swiss Design  
**identity***play*<sup>®</sup>

Ideal for sunglasses with an expanded distance zone that offers a wide view for various outdoor activities yet has enough near area for comfortable reading.

Swiss Design  
**identity***pro*<sup>®</sup>

This degressive lens is dedicated for computer/office work without occurrences of eye strain. These lenses should not be worn while driving.





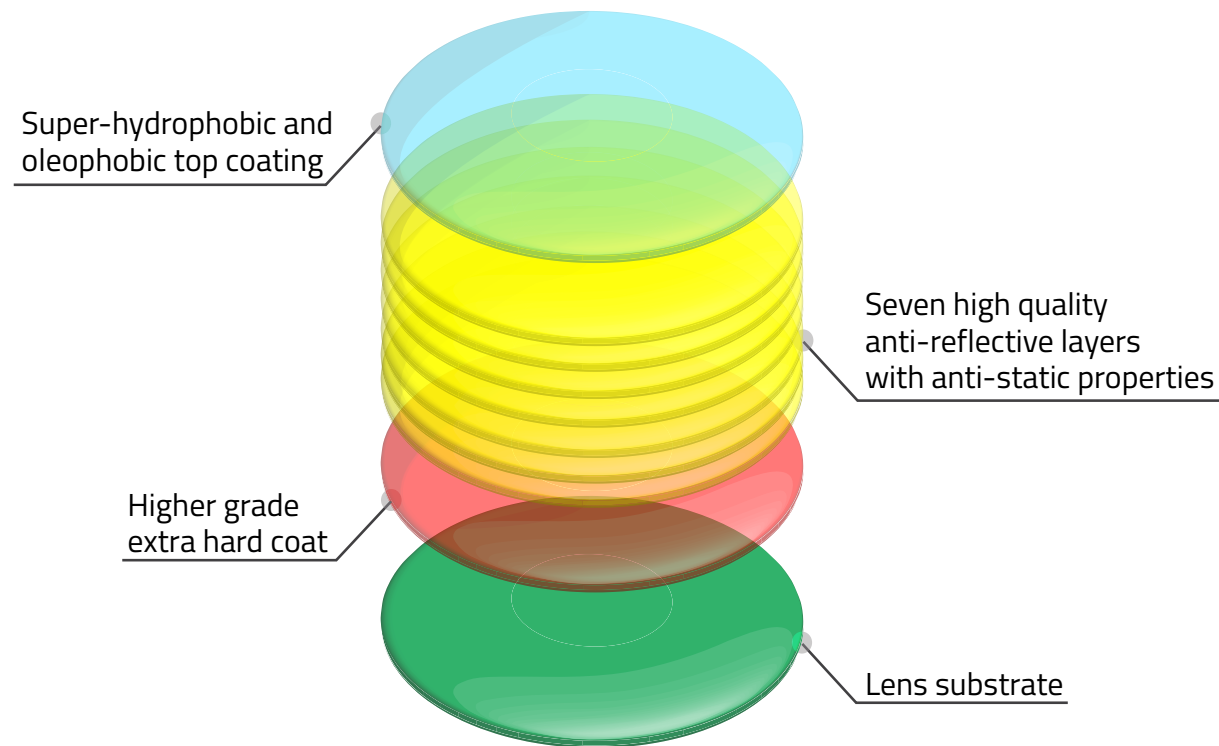
# The World's Preeminent Anti-Reflection Coating

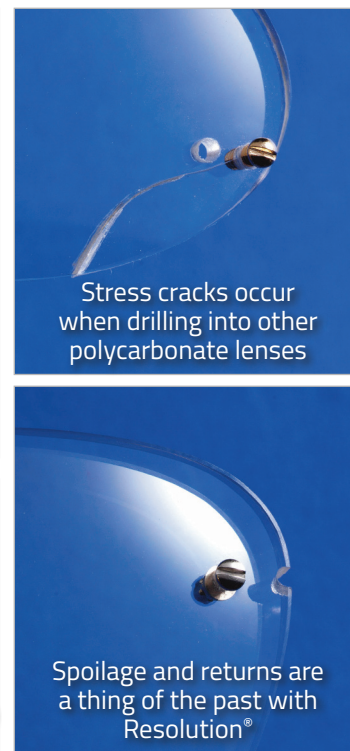
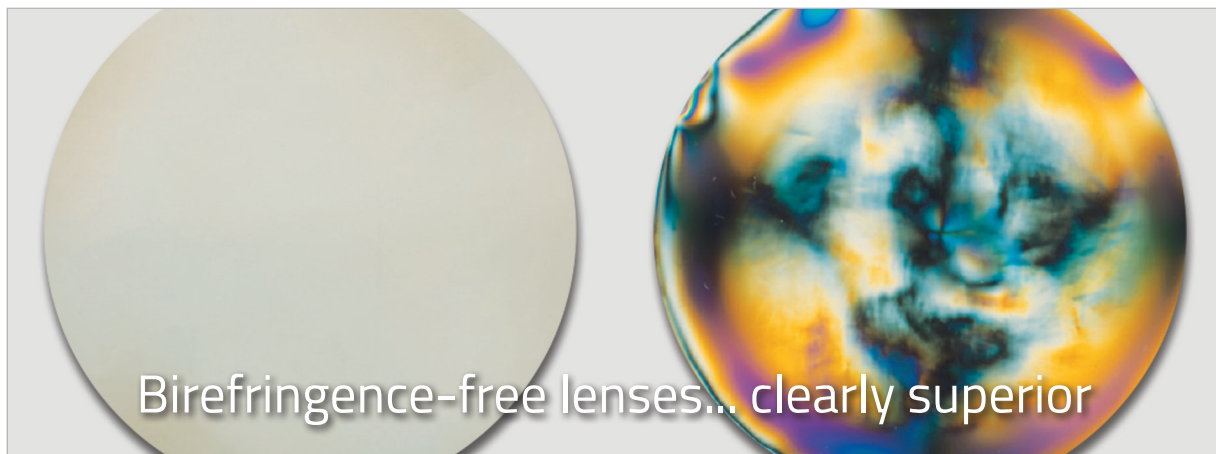
We know that to provide the best quality vision for your patient, simply having a great lens design isn't enough. They also need an anti-reflection treatment that

- a. Sharpens the optical quality of the lens
- b. Stands up to scratches
- c. Protects against harmful UV light
- d. Repels water
- e. Resists smudges

VCD Labs' high-end AR does all of these - plus it's substrate matched, which means that the formulation of the hard coating on the AR is adjusted according to the lens material you choose for each patient.

Most labs charge you up to \$90 for this kind of technology, but at VCD Labs every job ordered comes with this customized high-quality AR at no additional cost!





### Birefringence

Lenses placed between polarized films reveal the startling difference between polycarbonate lenses.

Tests reveal that the birefringence (stress distortion) in the regular polycarbonate lens causes optical errors such as poor resolution, prescription variations and visual distortion. In contrast, new Resolution® with ECM-9™ Technology results in an unstressed, flawless and optically superior lens.

### ECM-9™ Technology

All other polycarbonate lenses have resolution loss so great that it creates tunnel-like vision. Resolution® lenses provide high resolution and precise optics within the entire lens.

Good vision also requires that lenses be accurate. In other polycarbonate lenses, the lens power can vary as much as -.7 from the prescribed power. Resolution® lenses match the doctor's prescription to an unprecedented .01 accuracy.

### Resolution® lenses are:

- 14% thinner and 27% lighter than standard polycarbonate
- 10% thinner and 23% lighter than 1.60 high index plastic
- 25% thinner and lighter than conventional plastic
- The highest impact resistant lens available
- A great alternative to other costly high impact and high index materials



## The iBlu coat™ Difference



# iBlu coat™

Protect Your Eyes Anytime, Anywhere

## About Blue Light

The most potent light in the visible light spectrum, blue light reaches right to the retina at the back of the eyes. Artificial white light sources such as LED and some radiation lamps emit excessive blue light compared to natural white light.

## Digital Eye Fatigue

Today, more and more people are suffering from visual fatigue without knowing the cause of their symptoms. School, work and lifestyle changes forced us to spend long hours in close-range activities such as hand-held devices, computer work, e-books, TV and game consoles. The increasing use of such LED devices has elevated concerns about the impact high energy visible blue light has on the eyes. Unfortunately, extended exposure to harmful blue light often results in uncomfortable and sometimes painful symptoms that negatively impact vision health.

## iBlu coat™

iBlu coat™ is an anti-reflection coating specially developed to protect your eyes from harmful HEV blue light, improving contrast and reducing eye fatigue. iBlu coat™ lenses are smudge, scratch, dust and water resistant and filter blue light to a high degree of efficiency from both the front and back reflected light.

## Available Materials

iBlu coat™ is available on light-weight, high impact resistant Resolution® polycarbonate stock lenses, all VCD Labs Free Form lenses, and all Complete Eyewear options in 1.6, 1.67 and 1.74.

Complete Eyewear



## Complete Eyewear from VCD Labs

The VCD Labs Complete Eyewear program offers you a frame, lens and a high-quality anti-reflection coating all for one incredible price. Patients can choose from one of our 60 frames currently available, then you simply choose that frame when ordering the lenses and it comes to you as a complete set! You no longer have to ship the frame to the lab, which means no more frame to follow shipping delays and fewer holes on your board which means more opportunities to sell it!

Behind Complete Eyewear is a network of optical manufacturing facilities worldwide. Order the latest fashion eye wear and a full range of high-technology ophthalmic lenses (including free-form progressives, single-vision and bifocals) for the entire family!

Complete Eyewear offers innovative and exclusive lens designs in progressive and single-vision formats. Proprietary free-form brands such as identity®, acuity® and upgrade® dominate VCD Labs' lens offering. Add to these designs the latest in anti-reflective, polarized and photochromic treatments and you've got an unsurpassed lens range to meet every patient need at a lower cost point.

For more info visit [www.vcdlabs.com/complete-eyewear-program](http://www.vcdlabs.com/complete-eyewear-program)

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