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Gateway Fusion Safety Glasses


## ZEISS PhotoFusion

The self-tinting lenses that react fast to changing light.
PhotoFusion was created by ZEISS experts to meet consumers' expectation of self-tinting lenses that darken and turn clear faster*. The introduction of PhotoFusion in 2011 has revolutionized the market for these kinds of lenses

Design Benefits | Details

## State-of-the-art technology for strong performance



Photofusion@ high- and mid-index lenses
Existing photochromics by ZEISS**

very dark


## Fast dark. Fast clear.

PhotoFusion lenses adapt quickly to changing ligh conditions. The high- and mid-index lenses react up to 2 times faster* from dark to clear and up to $20 \%$ faster* from clear to dark than previous photochromic lenses by ZEISS.

- Lenses darken to $15 \% T^{* *}$ in $15-30$ seconds ${ }^{*}$
- Lenses fade back to $70 \% \mathrm{~T}^{* *}$ in $5-10$ minutes*

Indoors the PhotoFusion lenses are very clear whereas outside they turn very dark in the sunlight

- Clear state: $92 \% T^{* *}$
dark state: $11 \% \mathrm{~T}^{* *}$

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ArmourFusion Sunglasses \& Eyewear
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UA Alloy
Surf Sunalasses
\$149.99
UA Power
Men's Fishing Sunqlasses Men's
$\$ 79.99$

UA Igniter 2.0
Men's Golf Sunalasses $\$ 99.99$

UA Igniter 2.0 Storm Polarized Men's Sunalasses \$144.99


UA Rumble Storm Polarized
Men's Sunalasses
\$159.99
UA Igniter 2.0 Camo
Huntina Sunalasses
$\$ 99.99$
Men's UA Thief
Men's Baseball Sunqlasses, $\$ 99.99$

UA Regime Sunglasses Sunglasses
$\$ 109.99$ \$109.99


UA Igniter 2.0
Men's Golf Sunqlasses
UA Igniter 2.0
Men's Sunqlasses
\$104.99

UA Core 2.0 WWP Sunglasses Baseball Sunalasses \$114.99


UA Power
Men's Fishing Sunqlasses
$\$ 79.99$
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UA Regime Storm Polarized Sunalasses \$154.99


UA Hook'd Storm Polarized Sunglasses Fishina Sunqlasses \$154.99


UA Core 2.0 Storm Polarized Runnina Sunalasses \$159.99


UA Core 2.0 Multiflection ${ }^{\text {TM }}$ Sunglasses Baseball Sunalasses
$\$ 114.99$ Sunalasses \$59.99


UA Captain - WWP Edition
Men's Fishing Sunqlasses
$\$ 99.99$


UA Captain Camo
Men's Huntina Sunalasses


UA Igniter 2.0
Men's Sunalasses
\$104.99


UA Igniter 2.0 Storm Polarized Camo Men's Huntina Sunalasses \$154.99



Women's Sunalasses
$\$ 104.99$

UA Freedom Interchange Tactical Men's Tactical Sunalasses \$119.99

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$5-5$

$=5-6$
UA Nitro L
Sunalasses
$\$ 64.99$

UA Trick Sunglasses Men's Sunalasses $\$ 124.99$

UA Align
Sunalasses

UA Core 2.0 Multiflection ${ }^{\text {TM }}$ Sunglasses Baseball Sunqlasses
\$114.99

\$114.99


UA Zone 2.0 Interchange WWP Men's Sunalasses \$109.99


UA Igniter 2.0 Men's Sunalasses \$104.99


UA Battlewrap
Men's Tactical Sunalasses
$\$ 99.99$



UA Rumble Polarized
Men's Fishina Sunqlasses
$\$ 124.99 \$ 93.99$


UA Igniter 2.0 Men's Golf Sunalasses \$99.99 \$74.99


UA Sierra
Women's Sunqlasses
\$99.99 \$69.99


UA Zone 2.0
Men's Sunalasses \$104.99 \$78.99

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## Making lenses better



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FusionM

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$$

Equipment
, Fusion ${ }^{\text {M }}$
) Fusion ${ }^{\mathrm{HC}}$
, DeBlocker
, FusionXL
, Super Hydrophobic Chamber
> AR Parts
, Equipment Refurbishment
B12 Stainless Steel Bell Jar Upgrade
, B12 Water Manifold Upgrade


Our apologies, but fusionadvantage.net is offline until the development of our new website and ecommerce platform is completed. Until then, here is some information about the FusionM system, please contact us to learn more.

The FusionM(®) In-Line Coating System is the newest innovation from Quantum. Referred to as
a "disruptive technology", the Fusion- $M$ is poised to redefine the coating process in the ophthalmic industry.

The FusionM(B) provides the ultimate flexibility of applying a process on one lens at a time; AR on the front of the lens, as an example and then a completely different process (Mirror on front and AR on back) on the next lens due to the revolutionary in-line coating process. This allows a lab to process any coating request without the need to wait until enough orders have accumulated to fill a large batch.

Another unique feature of the FusionM® is its quick startup and shutdown time. Production can begin less than seven minutes after powering the machine on. In addition to faster start times, this also allows the FusionM® to be more efficient and requires far less energy consumption, which may provide additional cost savings.

The benefits of the FusionM® are many. Some of the high points are:

## Micro Batch Size:

- Dramatic reduction in WIP and inventory
- Increased production on a per sku basis.
- Greatly reduced product loss when outside interference (power loss, etc.) occurs.
- Increased flexibility in coating colors offered, as the process can be changed for each fixture.


## Fast Cycle Time:

- Can process a fully coated (both sides) pair of lenses in less than 10 minutes


## Other Benefits Worth Mentioning:

- Quick start - After power-up, FusionM® is ready to start process in less than 8 minutes.
- Easy maintenance - Minimal chamber cleaning due to load/lock system.
- Reduced power consumption (compared to box coater).
- Small footprint ( $36^{\prime \prime} \mathrm{d} \times 40^{\prime \prime} \mathrm{w} \times 70^{\prime \prime} \mathrm{h}$ )

A micro-batch system that provides this kind of flexibility AND produces lenses at this speed is an incredible combination.


FusionM® In-Line Coating System is the newest innovation from Quantum. Referred to as a "disruptive technology", a phrase coined by Harvard Business School professor Clayton M. Christensen to explain "a new technology that unexpectedly displaces an established technology," the Fusion ${ }^{M}$ (8) is poised to redefine the coating process in the ophthalmic industry.

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$\checkmark$ Email: info@Qtmi.net

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## Attitude of Servitude

"At Quantum, we have a mindset to serve others. This service can be in our business lives and/or our personal lives. We want to serve our customers and our vendors whether or not it benefits us. We feel that this service will eventually return to us magnified." - Norm Kester


[^0]:    = transmission based on AR coated lenses.

    * Source: Global consumer study for Carl Zeiss Vision International July 2010, based on national representative samples in

    US, Brazil, Germany, Italy, UK, Australia and China.
    ** Average performance for $1.67,1.6$ and polycarbonate self-tinting lenses. Performance will vary according to material, temperature and light conditions.

