



**unico graber**  
safety eyewear

**QUALITY AND COMPETENCE**

protection at work



# EYE PROTECTION

AT THE WORKPLACE



## Guaranteed to be good, guaranteed to be comfortable

The sustained protection of peoples' eyesight is the highest priority in the development of our products. The wearing comfort is just as important. Therefore we make sure that the product is optimally adapted ergonomically to the wearer and that it does not disturb them either at work or in their spare time. We always treat safety and ergonomics as a closed subject. If the eyewear is not ergonomic and comfortable, then they are not worn, even if they still offer such good protection. Cast a glance at the products from Unico Graber and discover how perfect ergonomics is formed from the latest technology and the greatest functionality.



PRODUCT LINES

HIGHVISION

COMPLEXVISION

MEDICALVISION

SERVICEVISION



For us, everything revolves around

**THE SAFETY**

**OF YOUR  
EYES**

**Comprehensive protection,  
great comfort.**

### Consequences defective vision at the workplace:

- The ability to concentrate decreases, the employee gets tired quicker
- Precision work becomes more difficult
- Productivity and motivation are reduced
- Dissatisfaction and cramps increase
- The risk of endangering oneself and third parties rises disproportionately More frequent absences

A professional and reliable eye protection programme always pays off. Because the risk of eyes being injured can be reduced to almost zero by consistently and correctly wearing individually adapted safety eyewear. If the employees are optimally protected, absences and the associated costs can be avoided. A workforce that can see well and comfortably is not just more efficient at work, but also in their spare time and when in traffic. That is why we at Unico Graber intensively ensure the security and visual comfort of your employees.

From the analysis of the workplace to training courses and workshops directly on-site in your company up to our wide range of products such as UNICOindividual or antireflex (AR) UNICOcomfort we simply offer everything, that you need to find the ideal eye protection solution for you. Contact us. We will be happy to show you and your employees, why it is worthwhile to use the correct safety eyewear equipment.



## UNICOindividual - is unique:

- Exclusively available in specialised trade
- Highest optical standards
- Large range of frames and lenses
- Individual solutions
- Everything from a single source
- Short delivery times



## UNICOindividual

### For a safe perspective

These prescription safety glasses bring together the balance of defective vision with eye protection to guard against mechanical, chemical and/or optical factors.

The lenses of prescription safety glasses are made in such a way that they guarantee greater breaking strength (EN 166) than that of conventional lenses. In addition to this, the frame (EN 166) is aligned with the requirements of the respective workplace, for example, with a particularly wide field of vision and/or a splash guard.

Apart from the purely safety-based considerations, comfort has also been taken into account. If the frame sits nicely and comfortably, the safety eyewear will be worn all the more willingly by the wearer. The interaction between safety and the corrective effect can work optimally.

For more information read the UNICOindividual brochures.



**FIND AN UNICOindividual OPTICS PARTNER NOW!**

## UNICOcomfort

Nothing is more important than the safety of people in their daily work! This is why we are constantly developing our products further. One result of this intensive work is the development of intelligent coating systems for our safety eyewear, which offer solutions for all requirements.

Our coatings for safety eyewear lenses are divided into three groups: Eco is a standard solution that covers a large number of application areas due to its versatility, followed by our special coatings Pro and ProClean, which have been developed specifically for particularly demanding areas of application.



## UNICOoffice

### Make computer glasses your reliable colleague!

Computers and displays of all kinds determine our daily work today. What many people are not even aware of is that our eyes are doing a really hard job! Find out how computer glasses make your work on a computer, tablet or smartphone easier.



**PERFECT FOR EVERYDAY OFFICE LIFE**





## UNICOsport

The UNICOsport models stand for a new generation of innovative safety eyewear: Clear, sporty design meets highest functionality and safety - everybody likes to wear these lightweight products!

**Your plus:**

- + Optimised lens geometry for perfect visibility.
- + Soft pads protect against pressure on the nose or ears.

## UNICOmulti

Very comfortable safety eyewear with excellent eye coverage. As fit-over glasses, they also fit easily over conventional prescription glasses and are therefore perfectly suited, for example, as visitor glasses.

**Your plus:**

- + Clear lenses, optimised shape for ideal combination of prescription glasses and fit-over glasses.
- + Unrestricted side view.



## UNICO360°

Due to the ergonomic design with flexible soft components, the glasses adapt perfectly to any face shape - they are light weight and low contact pressure make them particularly comfortable to wear. The large panoramic glasses are partly exchangeable.

**Your plus:**

- + Good eye climate thanks to innovative ventilation system.

## UNICOWeld

The UNICO welding protection goggles are characterised by comfort, ergonomics and max. functionality.

**Your plus:**

- + Large-volume full-vision goggle frames, also conveniently suitable as fit-over glasses.
- + Minimised burn-in of welding sparks



## UNIhead

Face- and forehead protection with large visors (polycarbonate or acetat), for applications where simple eye protection is no longer sufficient. Due to the double adjustability, this product can be adapted to any head shape.

**Your plus:**

- + Forehead protection can be ergonomically adapted to the shape of the head with just a few hand movements.
- + Glass fastening with a 3-cam system - Perfect all-round view



**OPTIMAL PROTECTION IN THE LOW-LEVEL IR RANGE.**

## UNICOinfrared

Zhi IR 1.7 offers optimal protection in the low-level IR range, without significantly affecting colour recognition, and they are the first safety glasses of their kind to be tested according to EN 171, 4C-1.7.

### Areas of application:

- Metal/steel processing and related fields of work
- Glass processing (reference to didymium depending on application)
- Electronics (primarily manufacturing and maintenance)
- Telecommunications (primarily manufacturing and maintenance)
- Medical sector (e.g. radiant heaters)

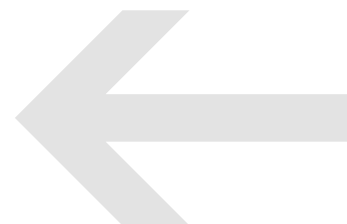
### Your plus:

- + Required degree of transmission: Standard 43.2 - 58.1% IR 1.7: 45.93 %
- + Spectrum/Transmission (EN 171) – without distortion of the visual impression



**MAXIMUM**

**PERFORMANCE**



## UNICOx-ray

Radiation protection – weighing up the benefits and the dangers  
Swiss Legislation on Radiological Protection stipulates that it is only be permissible to practise an activity in the course of which people or the environment are exposed to ionising radiation provided it is possible to justify it in terms of the associated benefits and dangers.

This Act is also based on the order of the Federal Office of Public Health (FOPH). It applies to all activities, facilities, events and circumstances that might engender a threat through ionising radiation and cause increased radioactivity in the environment.

### Your plus:

- + Functional and versatile x-ray protective spectacles
- + Stylish and generously processed plastic frames
- + Can even be used over your own spectacles
- + The length and angle of the temples can be adjusted
- + Good shielding with cheek/brow protection
- + Case and sport band included





## UNICOdidymium

Rose didymium glass is the classic filter that was specially designed to absorb the bright yellow sodium flare at 589 nm, which occurs when heating glass. Spectacles with didymium glass protect your eyes from visible and UV light produced in the glass blowing and pearl making processes. Rose didymium enables the glass blower to look into the glass to be worked while it is being heated in the flame.

**Your plus:**

- + Mineralglass Didymium rose
- + Transmission lumineuse D65 25 %
- + Tested by a Notified Body in accordance with PPE Regulation (EU) 2016/425, EN 166:2001

## UNICOsmart

The smart lightweight breathing mask spectacles are prescription glasses that have been specifically developed for use under positive pressure masks. Correspondingly they are not approved safety spectacles as according to EN 166. smart spectacles are made from nickel-free steel and have a very narrow frame, thereby affording corrected vision under positive pressure masks. To attain a perfect fit to the breathing mask, the saddle nose bridge can be removed quickly and easily when needed.

**Your plus:**

- + The special temples are extra thin, 0.5 mm, so as not to affect the sealing surface as much as possible



## UNICOeyewash

The dual-purpose model. It's both a douche you can use to rinse your eyes and normal tap. The ball and socket joint allows you to point the eye douche in the right direction.

Installation of additional water pipes unnecessary. Standard thread M 22-1 can be reduced 1/2" or 3/8" by means of supplied adaptor. This guarantees problem-free connection to all normal.

**Your plus:**

- + For everyday use: normal water jet through a sieve
- + In case of emergency: at the touch of a button, an eye shower with a gentil jet of water that is always ready and works perfectly every time





## Workshops/Training on site

### UNICOonsite

#### Safety Check - Ergo Check

- On-site analysis
- Evaluation of requirements
- Action plan

### UNICOtraining

#### Mise en application - Concept d'assortiment

- Product introduction in the company
- Integration in the workflow
- Raising awareness in everyday work

### UNICOergo

#### Concept - wearing management

- PPE/eye protection - ergonomics training
- Workshop
- Sensitisation
- Motivation

TOGETHER



**FOR MORE SECURITY**



## UNICOpromotion

Your logo could be here -  
powerful advertising for your company

Place your logo where other well-known brands place theirs! Using state-of-the-art technology, we print or engrave your logo and/or name on the frame of your safety spectacles, creating individualised eye protection for you. Advertising can be as simple as this.



## UNICO sustainability

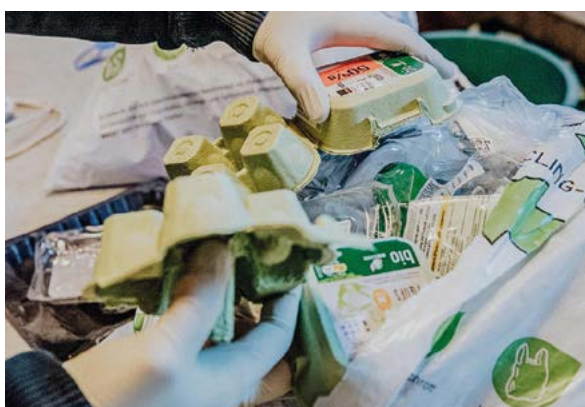
Long before the word «sustainability» became a trend, Unico Graber was already paying close attention to such issues. Above all, the direct environment and regional roots were and are always important to us.

This is demonstrated, for example, by the fact that we consider business partners from the region – whenever possible. This shortens the distances and, if necessary, we can meet within a very short time to tackle projects and topics. This also allows for an optimised use of resources. So the slogan «from the region, for the region» really makes sense.



### UNICO sustainability stands for:

- ✓ Promoting mutual understanding
- ✓ Promoting appreciation of existing resources
- ✓ Promotion of «disadvantaged» groups of people
- ✓ Material recycling and correct disposal
- ✓ Inclusion/employment of regional institutions



## We live sustainability

### Lebenshilfe Lörrach

Unico Graber GmbH in Lörrach works closely with Lebenshilfe in Lörrach. The team led by Stephanie Sängler works precisely, is full of verve and has an enormous connection with our company.

### Hope21

What if the rug is suddenly pulled out from under you? For example, by the diagnosis of Down syndrome? The association Hope21 supports parents during this time and shows them that life is worth living, even or especially with trisomy 21.

### Recycling and printing with a social background

The use of resources is an important topic for us. That is why we have created UNICOrecycling: A project to collect our used eye protection products and recycle them, if possible. The company «Recycling-Boy» takes care of the sorting, which is done in cooperation with disabled people.

## Standards are the basis for our quality products

Our customers around the world trust our top quality products because they know that here at Unico Graber we don't compromise on quality. All our products conform to the regulation 2016/425. These regulations include having to display the CE mark on products and to write operating instructions in the language(s) of

the country where the products are to be used. Product compliance with the standard must be documented in detail. Should a conflict situation relating to product liability arise, the documents must be available for retrieval.

### Frames

<b>UG</b>	<b>Manufacturer (Unico Graber AG)</b>
<b>166</b>	<b>Designation of the European Standard for personal eye protection</b>
	<b>Code number for impact load</b>
	<b>S:</b> Basic use + enhanced resistance (drop ball)
	<b>F:</b> Basic use + low energy impact (45 m/s)
	<b>B:</b> Basic use + medium energy impact (120 m/s)
	<b>T:</b> Basic use + impact at extreme temperatures (-5°C/+55° C)
	<b>Numbers for field of use</b>
	<b>3:</b> Dripping or spraying liquids
	<b>4:</b> Dust with particle size above 5 µm
	<b>5:</b> Gases, vapours, mists, smoke and dust up to particle size 5 µm
	<b>8:</b> Electric arc in short circuits in electric installations
	<b>9:</b> Molten metal splash
<b>CE</b>	<b>CE Conformity symbol</b>

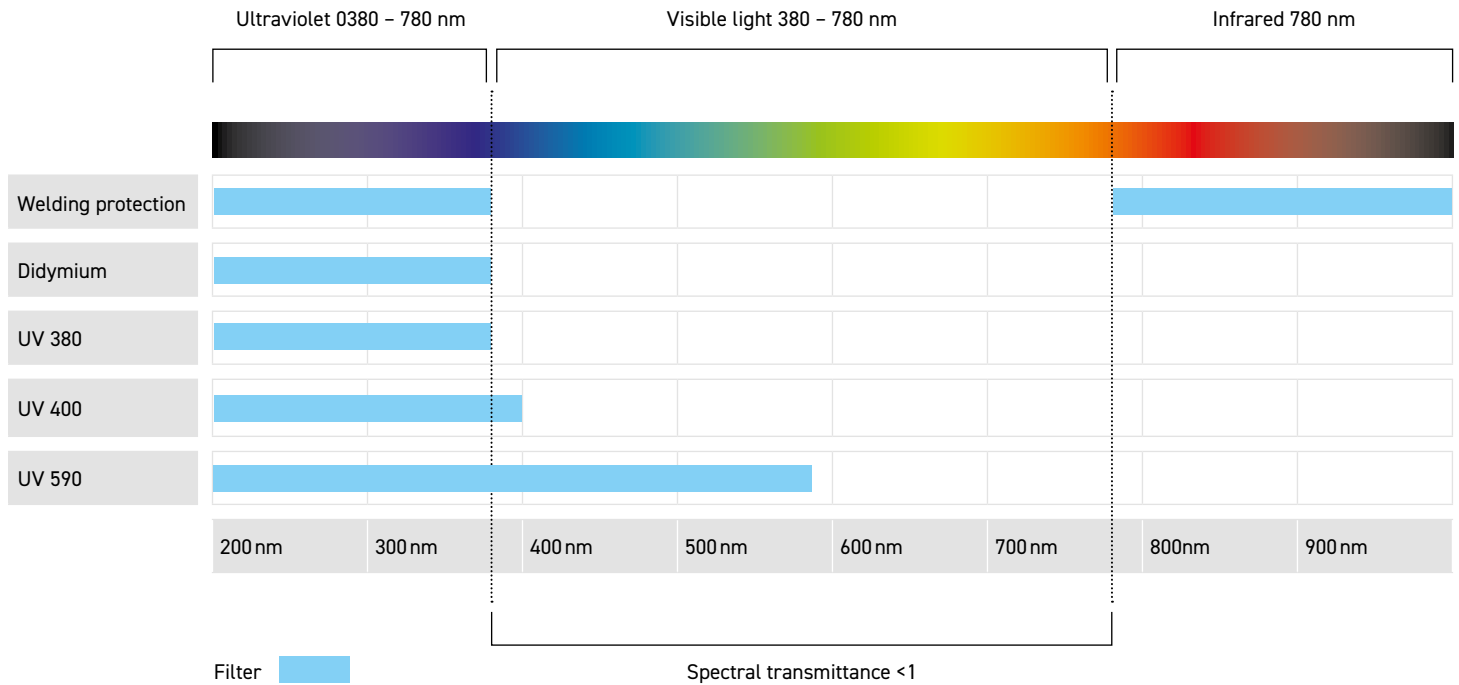
### Eye Protection

<b>EN 166</b>	Personal eye protection requirements
<b>EN 167</b>	Optical test methods
<b>EN 168</b>	Non-optical test methods
<b>EN 169</b>	Filters for welding
<b>EN 170</b>	UV filters
<b>EN 171</b>	Infrared filters
<b>EN 172</b>	Sun filters for industrial use
<b>EN 207</b>	Laser protection

### Lenses

	<b>Protection levels of filters according to EN166</b>
	<b>5:</b> (single number) Welding filters EN 169
	<b>2-1.2:</b> (prefix 2) Ultraviolet filters EN 170
	<b>2C-1.2:</b> (prefix 2) Ultraviolet filters with improved colour recognition EN 170
	<b>2-3:</b> (prefix 2) Ultraviolet filters EN 170
	<b>4-5:</b> (prefix 4) Infrared filters EN 171
	<b>5-2.5:</b> (prefix 5) Sun filters for industrial use EN 172
	<b>5-3.1:</b> (prefix 5) Sun glare filter EN 172
<b>UG</b>	<b>Manufacturer (Unico Graber AG)</b>
	<b>Code number for optical class</b>
	<b>1:</b> For work with particularly high requirements on visual acuity
	<b>2:</b> For work with average requirements on visual acuity
	<b>3:</b> Only in exceptional cases for coarse work without major requirements on visual acuity and not for long-term use
	<b>Code number for impact load</b>
	<b>S:</b> Basic use + enhanced resistance (drop ball)
	<b>F:</b> Basic use + low energy impact (45 m/s)
	<b>B:</b> Basic use + medium energy impact (120 m/s)
	<b>T:</b> GV + impact at extreme temperatures (-5°C/+55° C)
	<b>Code number for danger zones</b>
	<b>8:</b> Electric arc in short circuits in electric installations
	<b>9:</b> Molten metal splash
	<b>Index for usage area</b>
	<b>K:</b> Damage from small particles (sand trickling test)
	<b>N:</b> Resistance to fogging
	<b>R:</b> Reflection factor of the lenses
<b>CE</b>	<b>CE Conformity symbol</b>
<b>X-ray</b>	<b>X-ray 0.75 mm Pb 110kV x-ray RD 50</b>
<b>Didymium</b>	<b>Mineralglass Didymium rose for glass blower</b>

## Filter effect

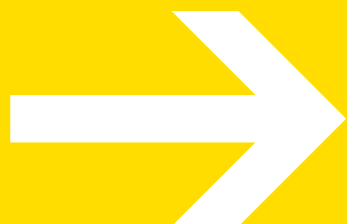


## Explanation of icons

- U FIT** Ultra-simple system to adjust the head strap
- U FLEX** Extra soft frame ends (TPE)
- U MATCH** Wide elastic strap to increase wearing comfort
- U NOSE** Extra soft nose bridge (TPE)
- U SPORT** Excellent characteristics so it can be worn for sports and recreational activities



From professionals for professionals



**ONE STEP**

# **AHEAD OF THE DANGER**

[www.unicograber.com](http://www.unicograber.com)



**unico graber**  
safety eyewear

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