

# Crystal 2.0

You won't believe your eyes.

**optrel**<sup>®</sup>  
swiss made 



**WORLD  
PREMIERE.**

**Automatically better welding**

# CRYSTAL 2.0 THE ENLIGHTENMENT IN WELDING.



Clear vision while working is a matter of course for most occupational groups. This is not true for welders. Due to the essential use of glare-protection products, a clouded and falsified view of the workplace is an accepted matter of course – unfortunately.

Driven by the will to give welders a better working life, optrel has researched into new technologies for years to improve welders' vision. Thanks to **Crystal Lens Technology (CLT2.0)**, optrel has now achieved a quantum leap that will revolutionise the welders' vision.

With light transmission of 31% in bright condition (protection level 2!) welders have for the first time a practically unclouded and clear view of their working environment. This in combination with the almost perfect colour spectrum of the CLT2.0 for the first time allows welders to see what is really going on in the weld pool, and with a clarity that equates to insights into a new dimension. This is why welders describe this as an enlightenment.

## WELDING HELMET AND TRANSPARENT VISOR IN ONE

The crystal clear view in bright state makes the crystal 2.0 the ideal combined helmet without compromises.





# CRYSTAL CLEAR VISION. BEFORE, DURING AND AFTER WELDING.

## BRIGHTNESS LEVEL 2.0 – WORLD RECORD

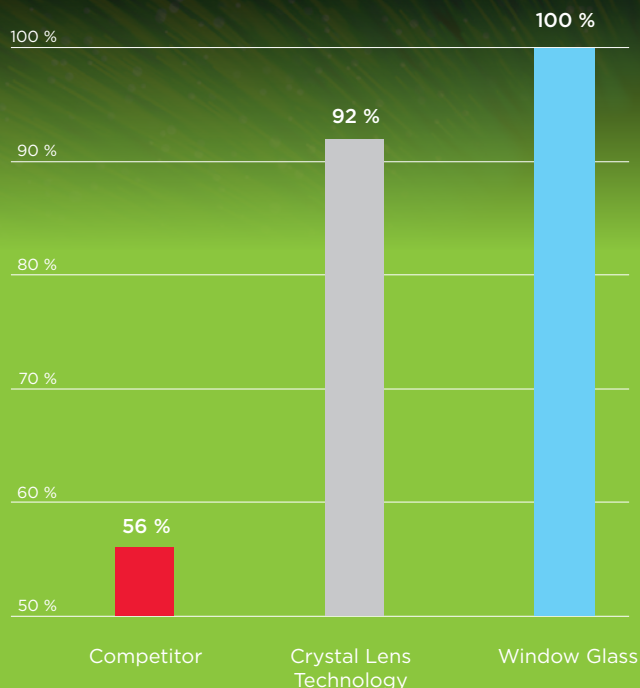
The world premiere for an absolute world record. The **crystal2.0** sees optrel beat the best brightness level, which it set itself three years ago – and which had never been achieved previously. Light transmission in the inactive state is now 31 percent.

## TRUE COLOR MEANS NOT THE SAME AS TRUE COLOR

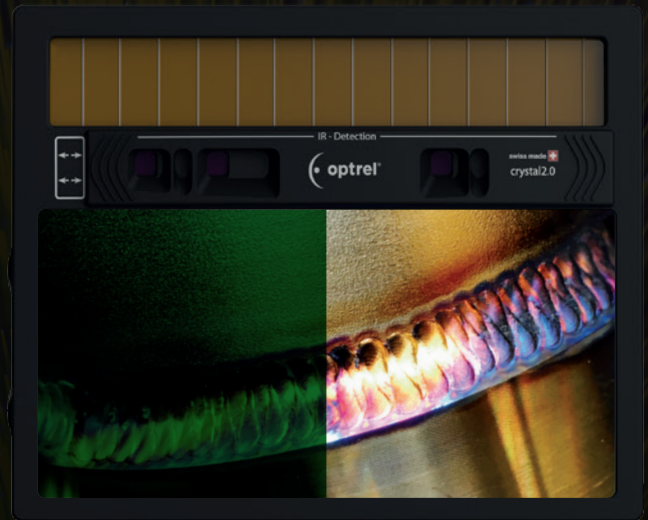
As far as always the distinction can be seen upon taking a closer look. With the crystal 2.0 you will recognize the difference immediately when putting it on.

The colour perception in light state is almost like looking through clear window glass and in dark mode you enjoy a detailed and high-contrast view of the welding pool with a never-seen-before clearness.

### Comparison of colour range in LED ambient lighting



## SEE WHAT YOU ARE DOING. EXPERIENCE THE DIFFERENCE.

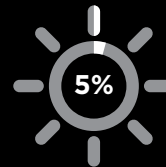


### INDUSTRIAL STANDARD

Protection level

**4.0**

Light transmittance



Colour spectrum

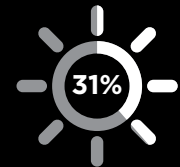


### crystal2.0

Protection level

**2.0**

Light transmittance



Colour spectrum



## WARNING:

**Welding with the crystal 2.0 is addictive**

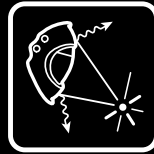
# THE FULL-FEATURED WELDER'S HELMET. OPTREL CRYSTAL 2.0

optrel's new flagship is packed with innovative technologies that make your work easier and more convenient.



## CRYSTAL LENS TECHNOLOGY WITH LIGHT STATE 2.0

See clearly what happens before, during and after the welding process.



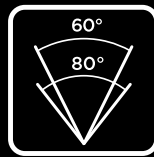
## HEAT-REFLECTING PAINT

Helping you keep a cool head at all times.



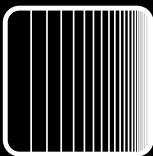
## AUTOPILOT SHADE LEVEL 4 TO 12

Your welding helmet automatically adapts to changing light conditions.



## SENSOR SLIDE

Set the sensor detection angle individually to your requirements.



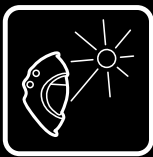
## TWILIGHT FUNCTION

You can always remain relaxed even in case fast lighting changes.



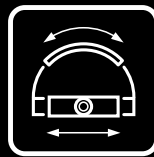
## PATENTED EXCENTER

Positions the helmet optimally on your head - with just one twist.



## SENSITIVITY CONTROL

Adapts the helmet to your environment and requirements.



## COMFORT HEADBAND

Offers an optimized weight balance to protect your neck and your back.



## GRIND MODE

The brightest vision during grinding work ever to be offered by a welding helmet.



## 3-YEAR WARRANTY AFTER REGISTRATION

Simply register at [register.optrel.com](http://register.optrel.com)

Your optrel retailer:



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CH-9630 wattwil  
Switzerland  
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[info@optrel.com](mailto:info@optrel.com)

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