The all new

PANDRAMAXX series

Maxximize your horizon.

EANORAMAX)

CLT

QUATTRO

• optrel swiss made +

2.5

5 E E WHAT YOU CAN DO





The light at the end of the tunnel. The new panoramaxx series.

The only similarity with a conventional welding helmet is that both are welding helmets.

Enhanced sight gives you the freedom to do what you want. Switch from tunnel view to panoramic view. The new panoramaxx series takes you into a new dimension of sight and allows you to do things that seemed unimaginable in the past.

With the new panoramaxx series, optrel is keeping its promise to give welders a better working day.

The result is the new panormaxx series, to which conventional welding helmets cannot compare.

As multi-layered and complex as these combined technologies are, welders' personal preferences regarding health and safety equipment are just as varied. Instead of developing a welding helmet for all possible applications, which mean welders have to accept many compromises, the new panoramaxx series focuses on individuality.



Closer. Further ahead.

A nose cut-out changes everything.

Without a doubt, the nose is one of our mostthan a 600% larger field of view without an increaseimportant organs and takes our senses into the fifthin the weight and shape of the helmet. Additionally,dimension. However, when it comes tothis prevents you from breathing on the display andenlarging the welder's field of vision with the anti-causing the lens to fog.glare display, the nose can often get in the way.

Our pragmatic approach is so new and innovativeThus, we removed all conventional characteristicsthat several patents have been granted for it - andand created the innovative nose cutout to enhanceguarantees its uniqueness.comfort and visibility. The result is impressive. More

For comparison: A conventional ADF without nose cut-out would have to have a size of $180 \times 120 \text{ mm}$ (W x L) to achieve the same field of view as the panoramaxx Series.



Industry standard optrel panoramaxx field of vision





PANDRAMA

Big cinema, you decide the movie.





Welcome to the big leagues. The panoramaxx2.5 combines the enormous field of vision with optrel's well-known 2.5 technology and offers excellent visibility in every working situation - whether for welding, cutting, grinding or fabrication work. Whatever you want, the optrel panoramaxx2.5 automatically follows your versatile field of activity.









"After completing my apprenticeship as a metalworker, I have decided I want to work with professional equipment. I simply love the versatility of my job. Welding, grinding and fabrication. The panoramaxx2.5 is as versatile as my field of activity. The sublime field of vision helps me to master the various tasks easily and safely."

(optrej

Luke, 23 years

/ Works as a metall worker in a small company
/ Plays guitar in a punk-rock band in his spare time
/ Loves it when no two days are alike

PANDRAMAXX 2.5

As versatile as you.



PANORAMAXX QUATTRO

PANDRAMA

construction, where work is often carried out with a lot of energy and in a wide variety of welding positions. Especially in constrained positions, there is no straight view of the welding point. Perfect viewing angle dependence, confirmed by the best test

One helmet. Four top marks.





The panoramaxx quattro was developed for use in heavy metal mark of 1 according to the EN 379 standard, guarantees that panoramaxx quattro welders always have the best view of the welding process without manual adjustment of the protection level. This results in uninterrupted and fatigue-free working with improved performance.







PANDRAMAXX

The best view in all positions.

Alex, 49 years

/ Works for a leading construction machinery manufacturer
/ On weekends he tours on his customized chopper
/ The harder the welding job, the better
/ Loves to have 300 ampere on his welding machine

"I weld complex structures in steel construction. Given that the heavy components cannot be moved, I have to weld a lot in constrained positions. Then in these positions, I always had uneven brightness levels in the corners of the ADF. These differences are completely gone in the new quattro. And thanks to the large field of vision, I can move safely through the structures and work without interruption. The panoramaxx quattro gets right to the point."

ANDRAMAXXCLT

The world famous Crystal Lens Technology 2.0 is now also available in the panoramaxx clt version. optrel engineers have thus once again pushed the limits of what is possible to a new level.

Anyone who has ever welded with CLT technology will barely be able to believe their eyes.

You will not believe your eyes.



PANDRAMA

PANDRAMAXX



The colour perception in the light state comes very close to the view through clear window glass and in the dark state you get a detailed and high contrast view of the welding pool in a clarity never seen before. Unlock your true potential - with the panoramaxx clt.







"I weld safety-related components made of stainless steel using the TIG process. Every weld needs to fit right away, otherwise it will be very expensive. Control over the weld pool and the uncompromising clear view of the colour gradient is absolutely crucial for me. That's why I decided on the panoramaxx clt."

Karl-Friedrich, 46 years

- / Works in pipeline construction for a large chemical company
- / Passionate hobby parachutist
- / Every new weld should be the best of his life



Crystal clear view of the welding pool.

Comes with every optrel panoramaxx helmet as standard.

The optrel IsoFit[®] headgear sets a new standard in terms of wearing comfort. It is the only product worldwide that can be adjusted in width, length and height – i.e. three-dimensionally – to any head shape, so that the helmet really fits "like a glove". panoramaxx 2.5, quattro and clt all come with this headgear as standard.

Large, replaceable comfort pad to make wearing it pleasant offers 100% more contact surface for perfect weight distribution



Just fits perfectly.



Precise and infinitely adjustable cable pull system for a perfect fit

With a quick release function to allow it to be opened in milliseconds

The optrel panoramaxx as a personal assistance system.

Fully equipped as standard.

In addition to the large field of vision and crystal-clear optics, which form an actual assistance system, all members of the panoramaxx series are equipped with the latest digital electronics. The patented Shadetronic and Fadetronic technologies in combination with the 5-point sensor system and the re-charge energy concept are the core elements.

They enable welders to focus on their work and allow them to work without interruption. This results in quality and efficiency. Thanks to the ergonomic design of the perfectly fitting optrel IsoFit® headgear, the panoramaxx is light as a feather and fatigue-free. All panoramaxx welding helmets are highly robust at the lowest weight and protect users against external mechanical impacts such as high speed particles which hit the helmet at up to 120 m/s. And thanks to grinding mode, which can be easily operated externally, and the incomparable appearance, even grinding work is more fun.



Setting the correct shade level is the most important and at the same time the most neglected function on a welding helmet.

This important task is performed by the patented optrel ShadeTronic® technology. A highly developed light sensor permanently measures the intensity of the welding arc and regulates the glare protection in the active state continuously from protection level 4 to the maximum protection level 13 fully automatically. This enables the welder to achieve optimum dimming and thus uninterrupted work at any welding light intensity. Experience the ShadeTronic[®] technology in the hot start at the beginning or during the crater filling function at the end of the welding process or simply when welding with different intensities.



FadeTronic

With the patented optrel Fadetronic technology, the opening of the anti-glare display can be continuously adjusted

after welding. The unpleasant afterglow is faded out – especially for high ampere applications. Eye fatigue is significantly reduced thanks to the display opening smoothly and being adapted to the eye.



TrueColor view All panoramaxx welding helmets are characterized by a realistic color perception, which can be adjusted to the scope

of duties coordinated. The Swiss made UV-IR-protective filters consist of more than 30 ultra-thin high-tech layers, which provide the most natural and clearest view of the welding task in the respective task area. Whether for all-round tasks with 2.5, heavy metal construction with quattro or metal surgery with Crystal Lens Technology: the filter perfectly matched to the task is built into every system.



Detection The optrel 5-point detection integrated in the panoramaxx series is an

intelligent sensor control with five sensors. Sophisticated software and clever positioning of four sensors at the corners and one sensor in the upper centre ensures the glare shield is switched on and off perfectly, even in the most difficult lighting conditions and in constrained positions, as well as permanent dark level adjustment (Shadetronic®, patented) during welding.



optrel re-charge The unique and environmentally-friendly optrel re-charge energy concept ensures that welding helmets always

have enough energy. Thanks to the latest solar technology, a rechargeable lithium-polymer battery is recharged either by the welding light or by the ambient light. In addition, the battery can also be charged directly with any USB charger via a micro-USB interface. The tiresome changing of batteries is no longer necessary and the environment is protected.



Grinding mode Like most optrel welding helmets, the products in the panoramaxx series

the panoramaxx series have a grinding mode. It can be conveniently

operated externally by means of a robust and well-protected pressure switch. Once activated, the anti-glare display remains deactivated, which guarantees trouble-free grinding work. At the touch of a button, the glare shield is then immediately ready for welding work. Your optrel welding helmet becomes a true multifunctional work safety device.

The optrel e3000X blower respiratory

Professional respiratory protection is a must in most work environments.

otection svs

optre



optrel respiratory protection systems are uncompromisingly designed for professional use. The optrel e3000X with TH3 particle

filter of the highest safety level filters 99.8% of harmful particles out of the air.

- Provides reliable protection against smoke, aerosol and dust
- Can be extended to include an A1B1E1 gas filter
- Automatic air flow control and adjustment
- 18 hour battery as standard



optrel PAPR systems are uncompromisingly designed for professional use.

During welding, grinding and many other dust-intensive activities your airways are exposed to harmful fumes, dust and toxic gases. These dangers are not visible to the human eye so wearing an optrel PAPR is essential and often a legal requirement no matter how well ventilated your work place is.



Product comparison

			D	Welding helmets and accessories	
	PANDRAMAXX 2.5	PANDRAMAXX QUATTRO	PANORAMAXX CLT	optrel panoramaxx2.5 welding helmet (SN 2.5/5-12 ShadeTronic®) – black	
panoramic field of vision			~	optrel panoramaxx2.5 fresh air helmet (SN 2.5/5-12	
ic [®] (fully automatic I level adjustment with calibration ± 2)	~	~	~	ShadeTronic®) – black	
for welding overhead constrained position		~	V	optrel panoramaxx2.5 RTW Ready-to-Weld Package, incl. e3000X PAPR system, panoramaxx2.5 fresh air helmet	
re range	Up to 280 A Protection levels 5-12	Up to 350 A Protection levels 4-13	Up to 280 A Protection levels 4-12	black and parking buddy	
el	2.5	3.0	2.0	optrel hardhat	
	~	V	V	Hard hat white, ANSI Z89.1-2009	
assification	1/1/1/2	1/1/1/1	1/1/1/2		
mode	 ✓ 	~	- /	optrel e3000X blower respirato	
pply		cells, Li-polymer battery, can be char B cable, battery life 300 to 500 charg		protection system with 18h power battery and bag	
system	Five sensors	Five sensors	Five sensors		
Y	Continuously adju	stable, new with "Super High" sensitiv	vity and tack mode		
ng time	Light to dark: 0.090 ms at 20°C 0.070 ms at 55°C	Light to dark: 0.090 ms at 20°C 0.070 ms at 55°C	Light to dark: 0.090 ms at 20°C 0.070 ms at 55°C		
	Dark to light: 0.1 s to 2.0 s (with FadeTronic)	Dark to light: 0.1 s to 2.0 s (with FadeTronic)	Dark to light: 0.1 s to 2.0 s (with FadeTronic)		
onal stability		mask: up to 220 °C, viewing pane: up			
ction	Ultraviolet/infrared protec	Ultraviolet/infrared protection: Maximum protection over the entire protection level range			
e against pact, helmet shell	B (Impact at medium energy, resistance to a ball with a diameter of 6 mm, 0.86 g, 120 m/s)				
ng temperature		-10°C to + 55°C/ 14°F to 131°F			
je temperature	575g (20.3 oz) / PAPR 745g (26.3 oz)	-10°C to + 55°C/ 14°F to 131°F	silver 610g (21.5 oz) / PAPR 780g (27.5 oz) black 600g (21.2 oz) / PAPR 770g (27.2 oz)		
ge temperature weight	575g (20.3 oz) / PAPR 745g (26.3 oz) All electrical welding proce Shielded Arc Welding, GM TIG Welding (TIG, G	-10°C to + 55°C/ 14°F to 131°F -20°C to + 70°C/ -4°F to 158°F 575g (20.3 oz) /	silver 610g (21.5 oz) / PAPR 780g (27.5 oz) black 600g (21.2 oz) / PAPR 770g (27.2 oz) g, SMAW) / MIG/MAG (Metal ding / Filler Wire Welding / ting / Gas Welding /		
ating temperature ge temperature weight of application e of supply	575g (20.3 oz) / PAPR 745g (26.3 oz) All electrical welding proce Shielded Arc Welding, GM TIG Welding (TIG, G Grinding in Grin	-10°C to + 55°C/ 14°F to 131°F -20°C to + 70°C/ -4°F to 158°F 575g (20.3 oz) / PAPR 745g (26.3 oz) sses: Electrode welding (Stick Welding 1AW) / GMAW High Performance Wel TAW) / Plasma Welding / Plasma Cut	silver 610g (21.5 oz) / PAPR 780g (27.5 oz) black 600g (21.2 oz) / PAPR 770g (27.2 oz) g, SMAW) / MIG/MAG (Metal ding / Filler Wire Welding / ting / Gas Welding / d laser welding!		
ge temperature weight of application	575g (20.3 oz) / PAPR 745g (26.3 oz) All electrical welding proces Shielded Arc Welding, GM TIG Welding (TIG, G Grinding in Grin Welding helmet, oper CE, ANSI, EAC, AS/NZ EN 1294	-10°C to + 55°C/ 14°F to 131°F -20°C to + 70°C/ -4°F to 158°F 575g (20.3 oz) / PAPR 745g (26.3 oz) sses: Electrode welding (Stick Weldin, 1AW) / GMAW High Performance Wel TAW) / Plasma Welding / Plasma Cut nding Mode / Not suitable for gas an ating instructions, storage bag, micro	silver 610g (21.5 oz) / PAPR 780g (27.5 oz) black 600g (27.5 oz) black 600g (21.2 oz) / PAPR 770g (27.2 oz) g, SMAW) / MIG/MAG (Metal ding / Filler Wire Welding / ting / Gas Welding / d laser welding! o-USB charging cable, hally with PAPR version 594 (3B)		

Products

Welding helmets and accessories



optrel panoramaxx clt welding helmet (SN 2/4-12 ShadeTronic®) – black

optrel panoramaxx clt welding helmet (SN 2/4-12 ShadeTronic®) – silver



optrel panoramaxx quattro welding helmet (SN 3/4-13 ShadeTronic®) – black

optrel hardhat adapter Usable with all optrel helmets

optrel backpack for helmets

ltem no.

1010.200

1010.201

1010.100

5011.180

8000.100

Sp	ltem no.	
1	Front cover lens external (set of 5)	5000.270
2	Nose protection pads (set of 2)	5003.600
3	Inside cover lens (set of 5)	5000.010
3а	Magnifying lens +1.00 Magnifying lens +1.50 Magnifying lens +2.00 Magnifying lens +2.50	5000.150 5000.151 5000.152 5000.153
4	IsoFit® headgear, black, black buttons IsoFit® headgear, black, green buttons IsoFit® headgear, black, grey buttons	5003.290 5003.291 5003.292
5	Replacement pads for Tricot pad suitable for optrel IsoFit® headgear (5x, each consisting of 4 parts)	5004.290
6a	Head and neck protection, leather	4028.016
6b	Head and neck protection fresh air helmet, leather	4028.031
7	Chest protection, leather	4028.015





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Rockmount Research and Alloys

Optrel National In-Person Demonstration Partner

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Contact Us for a Demo





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