



# PANORAMAXX

## LASER SERIES



laser welding  
eye protection



laser protection frame  
patent pending



crystal lens  
technology



6x  
panoramic  
field of view



for laser welding  
& arc welding



**NEW!**  
The revolution  
in welding!

A COOPERATION OF



**laservision**  
ENGINEERED  
LASER PROTECTION



# Ideal companion for hand-held laser welding and conventional arc welding

During laser welding, the infrared radiation can cause immediate and irreparable damage to eyesight due to its deep penetration depth. Damage is even possible from reflections. Suitable eye as well as face protection is therefore essential. Respiratory protection systems are also essential to prevent the inhalation of invisible pollutants during the laser process.

## The best of both worlds

A COOPERATION OF

Expert know-how in all aspects of welding protection



Expertise in the field of laser protection

**laservision**  
ENGINEERED  
LASER PROTECTION





# A helmet series with many user benefits:



## INTEGRATED LASER SAFETY GOGGLES

Closed eye protection thanks to the patent-pending inner-frame solution.



## PANORAMAXX- XXL FIELD OF VIEW

Six-times larger field of vision than standard welding helmets thanks to the nose cut-out.



## CRYSTAL LENS TECHNOLOGY (CLT)

For improved perception and crystal-clear vision.



## LIGHT AS A FEATHER AND WELL BALANCED

For maximum comfort and perfect ergonomics.



## POSITION LOCKER

New two-position locking function for a securely opened or closed helmet. The helmets without fresh air (pure air) can also be fitted with the optrel hard hat (construction helmet).



## LASER AND WELDING PROTECTION

New with ISO certification of the welding filter and certification of the laser protection filter (excluding panoramaxx L).

# Say hello to our panoramaxx-laser-series packages:

All helmets of the new panoramaxx-laser-series can be upgraded with the world's largest selection of TH3-certified respiratory protection solutions thanks to full compatibility with e3000X/suppliedair (hybrid models) and swiss air (all models).

Package 1



panoramaxx hybrid clt / hybrid / L



swiss air PAPR system

Package 2 or 3



panoramaxx pure air hybrid clt / hybrid



e3000X PAPR system

or



suppliedair Respiratory protection system with compressed air connection

# TECHNICAL DATA

Coming soon

	PANORAMAXX HYBRID CLT	PANORAMAXX HYBRID	PANORAMAXX L
	Art. no. 1010.302 pure air: Art. no. 4441.882	Art. no. 1010.301 pure air: Art. no. 4441.881	Art. no. 1010.300 Laser welding ONLY
Panorama XXL field of vision	V	V	V
System weight (with IsoFit® Headgear, without fresh air supply)	605 g	605 g	605 g
ShadeTronic®	V	V	–
Position Locker	V	V	V
Ampere range	Up to 280A Protection levels 4–12	Up to 280A Protection levels 5–13	–
Brightness level	2.5	3.0	2.0
FadeTronic	V	V	V
Welding protection classification EN 379, ISO 16321-2	1/1/1/2	1/1/1/2	–
Laser protection classification EN 207, ISO 19818-1	V	V	V
optrel IsoFit® Headgear	V	V	V
Power supply	Solar cells, Li-polymer battery, rechargeable via micro USB cable, battery life 300 to 500 charging cycles		–
Five sensors	V	V	–
Sensitivity	Infinitely variable sensitivity adjustment with "Super High" sensitivity range		–
Dimensional stability	Welding protection mask: Up to 220 °C. Protection lens: 137 °C		
Eye protection	Ultraviolet/infrared protection: Maximum in the entire protection level range		–
Areas of application	<b>Laser welding, laser cleaning, laser cutting.</b> <b>All electric welding processes:</b> Electrode welding (stick welding, SMAW) / MIG / MAG (gas metal arc welding, GMAW) / GMAW high-performance welding / fluxcored wire welding / TIG welding (TIG, GTAW) / plasma welding / microplasma welding / plasma cutting, gas welding, <b>grinding work in grinding mode</b> . Also suitable for overhead welding!		<b>Laser welding, laser cleaning, laser cutting, sanding work</b>  Also suitable for overhead laser welding!
Standards	CE, ANSI, UKCA, AS/NZS, fulfils CSA Z94.3 Complies with ISO 16321 standards "TIG+" ("low amp TIG" process)		–
Guarantee	Two years from date of purchase for manufacturing and material defects (excluding battery)		Two years from date of purchase for manufacturing and material defects



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