



**optrel**®

**swiss made** 

Leading innovations since 1986. swiss made.

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# AGENDA

- INTRODUCTION TO OPTREL
- CURRENT COVID-19 CHALLENGES
- THE SITUATION OF MEDICINAL- & LABORATORY STAFF
- WHY OPTREL
- THE OPTREL READY TO PROTECT COMPLETE PACKAGE

# INTRODUCTION

optrel AG is a leading manufacturer of personal protective equipment and produces high quality eye-, respiratory-, head- and face protection products for professional industrial and medicinal applications. The requirements concerning protection measures, comfort and productivity in industrial settings often by far exceed those of the healthcare industry.



# OPTREL FACTS

## COMPANY

1986 founded in Switzerland (Co-Founder Mr. Albert Koch)  
2000 – 2010 part of the PPE group Bacou-Dalloz / SPERIAN  
Since 2010 100% private owned by family Koch, Switzerland

## MANAGEMENT BOARD

Marco Koch (CEO and CoOwner)  
Peter Eicher (Chief Sales Officer)

## TEAM OPTREL

78 employees worldwide

## SWISS MADE

R&D / QS / Production / Sales / Marketing / Product Management  
Located in Wattwil, Switzerland

## SUBSIDIARY

optrel INC, Rhode Island, USA

# OPTREL FACTS

## VISION AND MISSION

optrel's Personal Protection Equipment enables the worker to experience a BETTER DAY in all aspects.

Achieved by unique technology and providing maximal protection, comfort and efficiency.

Experience shows that the return on investment (investing in optrel PPE) is reached within 6 months.

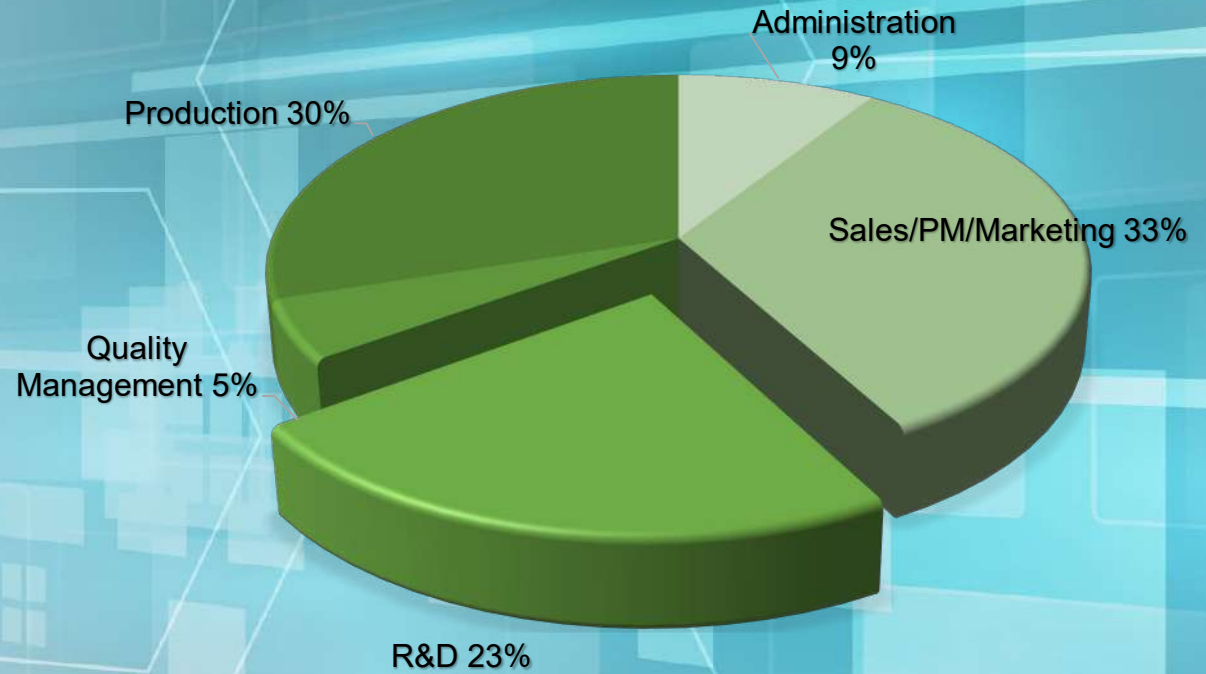
CERTIFIED PROCESSES  
FOR HIGHEST QUALITY



# OPTREL FACTS

## INNOVATION LEADER

optrel is known for unique technology breakthroughs which led them to several design awards, patents and the fact of being innovation leader in the industry.



# OPTREL FACTS

GLOBAL PRESENCE IN MORE THAN 70 COUNTRIES







# CURRENT CHALLENGES FOR MEDICINAL- & LABORATORY STAFF

## PHYSICAL EXPOSURE

- Shear pressure points in around nose, mouth or eyes
- Restricted respiration through mask
- Insufficient level of protection
- Limited availability of (the right) PPE

## PSYCHOLOGICAL EXPOSURE

- Fear of exposure to infected people
- Increased level of pressure at work
- Longer and more exhausting shifts
- More deaths to process



# PPE Today

- FFP3 masks
- FFP2 masks
- Surgical masks
- Standard (safety) glasses

## **RISKS TO WHICH STAFF ARE EXPOSED**

- Limited availability of PPE!
- Risk of virus infiltration!
- Risk of infection in general!



# clearmaxx

Clear view. Maximum protection.

## IDEAL PROTECTION FOR MEDICINAL- & LABORATORY APPLICATIONS

Extraordinary situations require extraordinary Measures.

The Covid-19 Pandemic has led to a worldwide shortage of personal protective equipment (PPE). optrel is determined to help and has decided to provide emergency aid by shifting its production focus towards the manufacture of respiratory protection products for health workers.



# OPTREL READY TO PROTECT

WORK IN A PERSONAL VIRUS-FREE CLIMATE  
CREATE A SAFECOMFORT ZONE FREE OF THE FEAR OF  
CONTAMINATION

Respiratory protection systems - the leading protection standard during times of Covid-19. optrel Respiratory protection systems are certified according to TH3 (EN 12941) and correspond to the highest respiratory protection class. They are adept to filter air and remove 99.8% of harmful solid and fluid particles providing for clean and purified inhalation.



# OPTREL READY TO PROTECT

## INDIVIDUALLY ADJUSTABLE AIR DISTRIBUTION

Using a rotary switch, up to 20% of the air in the fresh air system can be directed to the forehead area for additional cooling. Direct drafts over eyes and the associated drying-out of eyes can fittingly be avoided.

Less exhaustion through optimized cooling effect and supply with oxygen.



# OPTREL READY TO PROTECT

INCREASED & COMPREHENSIVE PROTECTION IN  
COMBINATION WITH E3000X

Compared to the protection class' best:

Compared to the half mask (FFP3)  
**10 TIMES INCREASED SAFETY**

Compared to the half mask (FFP2)  
**40 TIMES INCREASED SAFETY**

Additionally:

Eyes are protected!

Smear infections excluded!



# OPTREL READY TO PROTECT

## SMART ACCESSORIES

### optrel shoulder harness:

While the weight is distributed equally on both shoulders, your back and hips are relieved and protected correspondingly.

### optrel parking buddy:

The use of the supplied parking buddy is mandatory. The helmet must remain completely on the wearer's body. This prevents contamination of the helmet, third parties and surfaces.



# OPTREL READY TO PROTECT

## HIGHEST LEVEL OF COMFORT

- No shear pressure points in around nose, mouth or eyes
- Ergonomic fit
- Less exhaustion through optimized cooling effect and supply with oxygen.
- No direct drafts over eyes and so the associated drying-out of eyes can fittingly be avoided.





# OPTREL READY TO PROTECT PACKAGE

HIGHEST LEVEL OF COMFORT

Art.-no. 4900.255\*  
**optrel clearmaxx ,ready to protect'**

Scope of delivery:  
e3000X PAPER green  
with 18h power battery,  
clearmaxx fresh air helmet black,  
comfort headgear halo,  
parking buddy, medical  
instruction brochure

e3000X bag



Art.-no. 4551.040  
**optrel shoulder harness**



Art.-no. 1100.000\*  
**optrel clearmaxx standard version**



\*2 years warranty

# OPTREL – EXPERIENCE THE DIFFERENCE

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9630 WATTWIL  
SWITZERLAND

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