Univet Optical Technologies - Research and development

The strength of Univet resides in our particularly active and brilliant Research and Development Department. This is due to Univet’s investment in advanced analysing technologies and highly competent and experienced personnel. Univet’s style and philosophy are shown throughout the product range, by our strong commitment of innovation and high quality of production. The style and work ethic characterized by all the Univet Team, in Italy and world markets, along with of the most advanced research instrumentation provides the basis for our Highly innovative and stylish products, providing our customers excellent safety and comfort mixed with Italian elegance and style.

The philosophy of Univet is based on developing exclusive products with constant and proven quality. To achieve and maintain this goal, the company has been equipping itself with specific equipment to be able to do testing according to the standards required on the protection devices. Univet’s laboratory, with its advanced equipment, is capable of performing preliminary tests during the design phase, certification testing for the main European and non-European standards as well as periodic examinations of samples of all products. The high level of technological equipment coupled with the presence of qualified personnel allows Univet to provide concrete support to the development of new products and to enable the establishment of quality control procedures that exactly replicate the certification testing required by the product. Thanks to the laboratory together with rapid prototyping and reverse engineering equipment, Univet is also able to do tests directly on internally developed prototypes and make any necessary changes in a very short time.

Special applications

The direct contact with customers, allows a constant monitoring of market requirements, thus fuelling the dynamism and desire of our R&D department to satisfy every application with products either from the catalogue or full development of new products. Univet can respond to specific requests, and particular risks to which workers are exposed, and analysed these risks, in order to develop products that fill gaps in the market, thus offering protection in usually unexplored areas.
The effectiveness of hearing protection may be compromised due to the bulkiness of the temples of optical protective devices. The innovative 553ZERONOISE model equipped with patented temples specially designed to facilitate the combined use of the two protective devices. The geometry has been carefully studied: the shorter terminals and the reduced sections cancel the interference with cushions avoiding the ear muff loses part of its attenuation capacity. The flexible and shaped temples give the operator comfort, and allow to wear the glasses without having to remove the ear muffs.

553ZERONOISE

606.05

earmuffs

611 FIREFIGHTERS

helmet

532

NBC masks

6X3

half masks

6X3 is designed to provide extended protection by combining the top features of protective goggles to new specifications for performance never reached before. The originality of the device is expressed in the design of the facial support that ensures a proper seating for respiratory masks and half masks and in the use of additional facial protection that provides total protection to the operator’s face. The possibility of wearing corrective glasses, the exclusive UDC coating, the interchangeable lens offer great versatility by allowing the use of this device in multiple applications with no compromise to safety and comfort.

nEXxt

Higher technological innovation applied to the protection of the eyes and an in-depth study of design characterise Univet nEXxt project: a family of products that anticipates the needs of the market by bringing the concept of protection to a new level.

In the workplace the interaction between different PPE often not developed for being used in conjunction leads to a loss in protective capability that forces the user to operate in conditions of lower security. nEXxt range is designed by carefully analysing the geometry of the eyewear based on the possible interaction with other PPE to ensure the best possible protection to the worker and total comfort. The use of special engineering devices, in addition to the possibility of an independent use, enables products to harmonise perfectly with other safety devices.

553 - ZERONOISE

6X3 - Next generation Goggle
Univet Optical Technologies - Applied optical technology

The research shows that different facial features require a custom fit. The presence of adjustable nosepad and temples in length and inclination allow to adapt the device to the face of each user for optimum comfort in every situation.

Through the many settings of the terminal, the innovative use of materials and a meticulous design of SoftPad refines the already impressive ergonomics of Univet models, reaching a new and absolute comfort. SoftPad technology is a patented system designed to provide perfect stability to the safety glasses and full adaptability to the face of the user. The support of the eyewear is entrusted to the whole support area of the arm for a comfortable and stable fit. In addition to the length adjustment in 3 positions, the SoftPad system has a further tilting movement that allows the device to fit perfectly to the user’s head.

TEMPELS

The temples adjustable in length and inclination allow to get the highest level of protection by combining the performance of the eyewear with a perfect fit. Each user is able to find the perfect device configuration and work in constant safety.

NOSE PAD

An adjustable nosepad allows to adapt the height of the model, in order to view through the middle section of the lens where it is assured the highest optical quality. Fitting and visual comfort are therefore guaranteed for long periods, avoiding eye strain.
The Anti-fog Plus treatment is a film of the thickness of a few μm deposited on the entire surface of the lens, which, due to its chemical and physical abilities, prevents the formation of condensation by absorbing the humidity drops. This technology prevents the fogging of the PPE to allow the safe handling of the job by enabling a clear view even in critical environments. The Anti-Fog Plus coating is permanent and it offers superior performance compared to the standards required by EN166 safety regulation.

The Anti-Scratch Plus is a treatment applied to the surface of the lens whose hardness is a barrier against superficial damages that can impair vision. Univet lenses are therefore protected from scratches and abrasions caused by rubbing with solid particulate subsequent the use in dusty environments or cleaning operations. Univet Anti-scratch Plus treatment achieves better performance than that specified by EN166 safety European standard.