

Thermamax TITAN adjustable solar helmets

The new innovative range of Thermamax TITAN helmets with auto-darkening filters (ADFs) enables welders to take control of their welding experience by selecting the ADF that best aligns with their needs and preferences.

Within the realm of metal craftsmen, welders are widely regarded as a premier athletes. Their profession demands resilience in the face of harsh working conditions, including exposure to fumes, constantly shifting levels of brightness and intense heat. Furthermore, welders bear a significant level of responsibility as a defective welding seam could potentially lead to catastrophic, and even fatal, accidents in extreme circumstances. This combination of physical and mental demands sets welders apart as exceptional individuals within the fabrication field.

Investing in a high-quality welding helmet is an investment in both the present and the future. It ensures that every weld is done with precision and care, while safeguarding the welder's well-being. A high-quality welding helmet increases efficiency, accuracy and overall comfort. From protecting against harmful rays to providing clear visibility, a top-quality welding helmet is a non-negotiable necessity in the world of welding, where there is no room for compromise, and only the best will do.

What sets the Thermamax TITAN range apart is that it offers users the ability to choose between two auto darkening filters (ADFs), either the DIAMOND ADF or the

ONYX ADF, providing flexibility and customisation based on individual preferences, prioritising clarity or versatility respectively. This level of customisation ensures that users can optimise their experiences based on their unique requirements.

The DIAMOND ADF is designed to offer exceptional clarity and visibility, ensuring that users have a clear view of their work at all times. On the other hand, the ONYX ADF is known for its reliability and versatility, catering to a wide range of welding applications.

The TITAN Diamond

The new Tru-Vision Colour Technology built into the Titan Diamond ADF revolutionises the welding experience by providing welders with unparalleled clarity and visibility. With an astounding light transmission in bright conditions, welders can now work with a practically unclouded and clear view of their working environments, offering insights at a new dimension.

This level of clarity allows welders to see the joining process as it takes place, from the melting of the weld pool to the creation

The TITAN DIAMOND ADF is designed to offer exceptional clarity and visibility, ensuring that users have a clear view of their work at all times.

of the weld seam. The almost perfect colour spectrum of the Diamond ADF enables welders to have complete control over their work, with the ability to see how the filler material is melting into the welding pool.

Superior visibility before and during welding is essential for ensuring safety at work. By having a clear view of the work area, welders can better anticipate potential hazards and take necessary precautions to avoid accidents. In addition, superior visibility allows for more precise and accurate welding, resulting in higher quality workmanship and ultimately creating a safer and more productive work environment.

The sensitivity adjustment feature ensures that the right protection level is always maintained, offering vision and clarity. In light mode, the colour perception is akin to looking through clear window glass, while in dark mode, welders can enjoy a de-



The Thermamax TITAN Helmet Range has an adjustable dual-strap comfort system with a torque ratchet and comfort band to ensure a secure and personalised fit for each user.



The included Speedy Loop hard hat adaptor enables wearers to attach a hard hat to their helmets.

tailed and high-contrast view of the welding pool with unprecedented clarity. With a protection level of 2.0 in its light state, the TITAN Diamond ADF allows welders to see their working environment as if they were not wearing an auto-darkening lens at all.

Key features of the Diamond ADF include:

- Unprecedented 2.0 Clear Light State thanks to its TruVision Technology.
- Digital dark state of 5-8/9-13.
- Overall ADF range of 4 to 13.
- 1/1/1/2 classification to ensure eyes are protected from all harmful UV and IR emissions.
- Multiple certifications, including ANSI Z97.1-2015; EN 175:1997; CSA Z94.3-2015; and CE EN 379:2009-07.

The TITAN Onyx ADF

The TITAN Onyx ADF utilises an adaptive shade level sensitivity adjustment, which automatically sets the optimal shade level between 5 and 13. This feature ensures that eyes are always protected while welding, as it continuously adjusts to the appropriate shade level based on the intensity of the welding arc.

With the inclusion of an additional brightness sensor, any changes in arc intensity are immediately detected and the shade level is adjusted accordingly. This means that manual adjustment is no longer necessary, providing a seamless and hassle-free welding experience. This advanced technology guarantees that welders remain perfectly protected at all times, regardless of the specific welding parameters being used.

Features of the TITAN Onyx include:

- 4.0 clear light state.
- Digital dark state of 5-8 / 9-13.

- Overall ADF range of 4 to 13 for maximum UV and IR emission protection.
- 1/1/1/2 classification.
- Certifications including DIN EN 379:2009-07 and CE EN 379:2009-07.
- Automatic power-on function thanks to its photosensitive sensor on the filter lens. It is thus able to sense changes in light and will automatically power on. When it senses an absence of light stimulation, it will automatically power-off after 10 minutes, saving battery life.

Sensitivity adjustment control

The sensitivity adjustment control found in both ADFs automatically sets the right protection level within a range of 4 to 12, ensuring users are always protected. This

is made possible by an additional brightness sensor that measures the intensity of the welding arc. With this feature, manual adjustments are no longer needed, as the ADFs will take care of setting the appropriate protection level

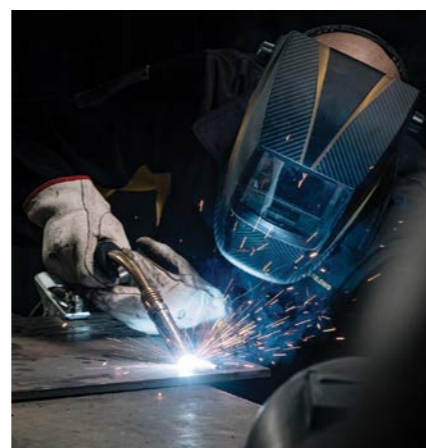
This means that no matter what welding parameters are being used, welders can have peace of mind. The adaptive control system simplifies the welding process, allowing welders to focus on the task at hand without having to adjust protection levels constantly.

The Thermamax TITAN Helmet Range prioritises comfort above all else, making it one of the most comfortable welding helmets available. Its superior dual-strap adjustable comfort headgear with torque ratchet and comfort band ensures a secure and personalised fit for each user. Additionally, the Speedy Loop hard hat adaptor enables the wearer to attach a hard hat to the helmet, allowing for simultaneous use of both items.

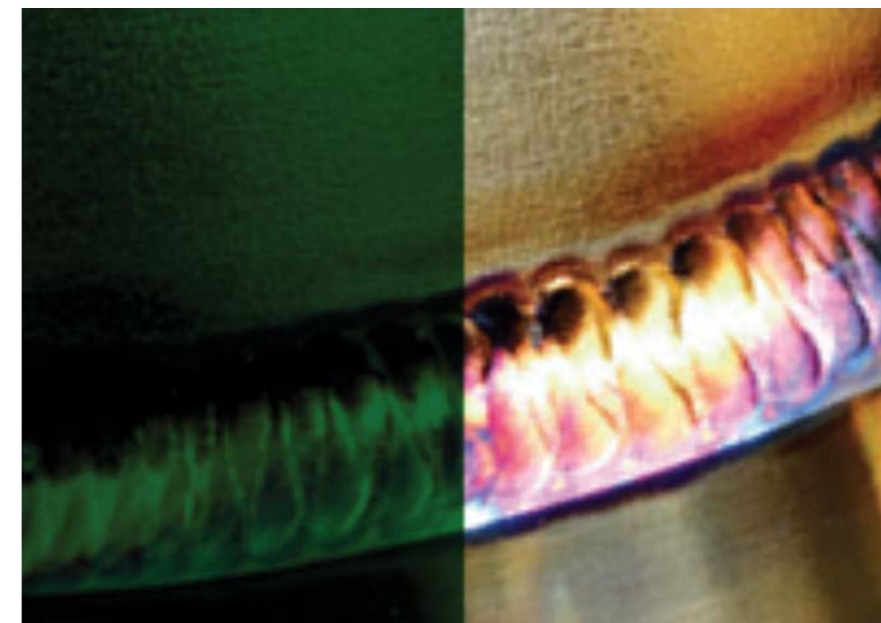
Despite its advanced features, this helmet remains lightweight, reducing strain on the wearer during extended use. Furthermore, it offers a convenient Grind Mode, eliminating the need to switch between helmets for different tasks.

To provide added peace of mind, the Thermamax TITAN Helmet comes with a 12-month warranty, ensuring long-term satisfaction and protection for the user. With its focus on comfort, versatility, and durability, this helmet is the ideal top choice for welders seeking a reliable and user-friendly protective solution.

<https://uniquewelding.co.za/>



Thermamax TITAN helmets with auto-darkening filters (ADFs) are able to automatically adjust the sensitivity level to set the right level of protection. Left/Above: TIG welding; Left/Above: MIG/MAG welding.



A comparison of dark and light modes of the Titan Diamond: In dark mode (left), welders can enjoy a detailed and high-contrast view of the weld pool with unprecedented clarity, while in light mode, the colour perception is akin to looking through clear window glass.