

THEO

VIZ-R2

LASER WELDING HELMET

Meet the VIZ-R2 Theo Laser Welding Helmet—built for welders who demand more from their gear.

Designed in partnership with SHINE, this helmet takes the guesswork out of protection.

The VIZ-R2 helmet features a built-in interlock system designed for seamless integration with the THEO MA1 Laser Welding System. Advanced sensors ensure the helmet is worn correctly, powering down the laser instantly if it's not. This eliminates the risk of accidental exposure, letting you weld with complete confidence.



With THEO keeping safety in check, you can focus on what you do best: creating flawless welds.

Tough and lightweight. The VIZ-R2 is built to take a beating. It's equipped with flame-retardant nylon and carbon fiber that make it tough as nails yet light as a feather.

It keeps you protected without slowing you down. The VIZ-R2 is comfortable for those long sessions, so you can focus on perfecting your craft, not waste it adjusting your gear.

CERTIFIED PROTECTION

Fully compliant with CE, ANSI Z136.7, and other key industry standards.

KEY FEATURES:

- **Laser-Safe Filter:** Provides clear visibility while shielding against laser radiation.
- **Integrated Interlock System:** Prevents laser activation when the helmet is not securely worn, ensuring user safety with THEO MA1 systems.
- **Durable Shell Design:** Made from flame-retardant special nylon with a carbon fiber front plate, protecting against laser reflections, sparks, and molten splatter.
- **Wide Viewing Area:** 4.17 x 4.72 inches (106 x 120 mm) for an unobstructed, clear view of the work area.
- **Comfortable Fit:** Adjustable headgear designed for secure, extended wear without discomfort.
- **High Optical Density:** Provides OD6+ at 900-1000nm and OD7+ at 1000-1100nm for superior protection.

TECHNICAL SPECIFICATIONS

Helmet Shell	Special Nylon (Flame Retardant)
Shell Front Plate	Carbon Fiber
Filter	Coated Glass + Laser Filter
Filter Dimension	4.49 x 5.24 x 0.39 in. (114 x 133 x10 mm)
View Size	4.17 x 4.72 in. (106 x 120 mm)
Shade No.#	W2.5#
Visible Light Transmission	20% (W2.5)
Filter Peak Wavelength (VLT)	W2.5: 529nm (32%)
Red Light (635nm) Transmittance	5%
Wavelength 900-1000nm	OD6+
Wavelength 1000-1100nm	OD7+
Interlock Function	Included
Interlocking Device Power Supply	1 replaceable CR2450 Lithium Battery
Outer Protection Lens	Part No: PL-5002 Size: 4.49×5.24×0.04in. (114×133×1mm)
Operating Temperature	14°F to 149°F / -10°C to +65°C
Storing Temperature	-4°F to 18 5°F / -20°C to +85°C
Warranty	1 Year

GET IN TOUCH

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