



MASTR | LASER WELDING HELMET

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The Univet "MASTR" laser welding helmet is specifically designed to protect against the scattered and diffused light generated during welding processes performed with hand-held laser systems emitting in the near infrared.

This complete solution is a union of a helmet shell made in a special compound material, a laser protective filter and a welding auto darkening filter. It is able to shield the eye and the face of the user from diffused laser light and from optical radiations generated during the welding process



- Designed for hand-held laser welding systems
- Extended protection for both eyes and face
- Shell entirely made in a special plastic compound, able to resist against laser radiation*
- Laser protective filter with wide absorption range, which guarantees the visibility of major laser aiming beams (630-670nm)
- Auto-darkening welding filter (ADF) with digital controls and shade '3' light state
- Weight 700g for maximum comfort during long-term use
- Regulation system to adjust helmet height and inclination. Fully adjustable headgear



**Protection against
Class 4 laser**



**Comfortable and
adjustable helmet**



**Complete protection
against laser and UV-IR**

*Protection levels according European standard EN207 are reported in the technical specification table

SPECIFICATIONS TABLE

HELMET

Material Special plastic compound	Fully adjustable headgear Yes	Replaceable front shield Yes
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ADF - AUTO DARKENING FILTER

Filter dimensions 110 x 90 x 9 mm	View area 100 x 53 mm	CE classification W3 / 4-8 / 9-13 V2
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Sensors 4	Light shade number 3 ^(*) 4 when laser filter is mounted	Dark shade number Variable, 4-8 / 9-13
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Shade control Digital	Switching time 40 µs	Sensitivity control Digital
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Delay time control Digital. Adjustable 0.04-2 s	Grinding function Yes	Low battery indicator Yes
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Power supply

Solar cell, Replaceable battery
(CR2032, 1 pc)

CE MARKING - EN166, EN175, ISO 16321-2

Helmet U EN175 F 500g CE	Front shield U FT CE	Auto darkening filter 16321 U W3 / 4-8 / 9-13 V2 CE
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ANSI Z87.1 MARKING

Helmet U Z87+	Front shield U Z87	Auto darkening filter U Z87 W3 / 4-8 / 9-13
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CSA Z94.3 MARKING

Helmet U Z94.3	Front shield U Z94.3	Auto darkening filter U Z94.3 3 / 4-8 / 9-13
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EN207 MARKING

Complete device

840-1250 DIR LB4

870-1190 DIR LB5

890-1160 DIR LB6

915-1140 D LB6 IR LB7 U CE

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