



SUPERIOR LASER PROTECTION HIGH REFLECTIVE DUR-ALUMINIUM SHIELD

The best value and the most safe laser welding helmet on the market, with comfortable padded head gear and fully meeting (EU) 2016/425, EN ISO 16321-1:2022, EN ISO 16321-2:2021 and the stringent EN207 laser eyewear standard up to 3kW laser power. Suits also laser cleaning, which requires auto dimming.

The 100LW Laser welding helmet is specifically designed for laser welding/cutting application to protect users. The variable shade lens provides full protection against direct laser exposure, as well as reflection, scattering, diffraction, and divergence from the laser beam. Meanwhile, it offers protection against UV/IR/bluelight.

FEATURES

- **DUR-ALUMINIUM SHIELD:** more laser resistance than normal laser helmets
- **EFFECTIVE LASER PROTECTION:** Designed to meet EN207 OD10+@1064nm, the 100LW provides full protection to prevent eye burns, retinal damage and other tissue damage.
- **ADVANCED HEADGEAR DESIGN:** Viewing angle and distance adjustable. Offers a better weight distribution for maximum comfortable feelings.
- **ULTRA-CLEAR VISION:** Experience exceptional clarity and details with TECMEN's light state 2.0 variable shade laser lens. Superior vision quality leads to superior work quality.
- **SMART ADJUSTMENT:** Shade number, delay and sensitivity all easily adjustable using our user-friendly panel with LED indicators.



LASER PROTECTION:
1000-1100 D LB7+ IR LB8

OPTICAL DENSITY(OD):
OD 7+@1000-1100nm
OD 10+@1064nm

- High speed reactive auto darkening face screen
- Shade level 4 – 12
- Protection level 4 – 12
- Welding Mode & Grinding mode

STANDARD INCLUSIONS

- 100LW Laser Welding Helmet
- Outside Lens Cover (pkt 5)
- Inner Cover Lens (pkt 2)
- Carry Bag



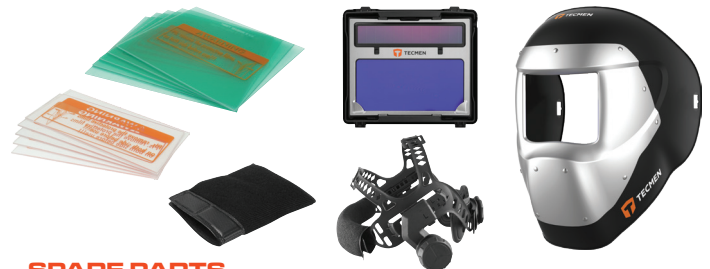
APPLICATIONS

Laser welding helmets are essential in various industries where laser welding is employed:

- **AUTOMOTIVE:** Welding of precision components, such as engine blocks, transmission housings, and body panels.
- **AEROSPACE:** Welding of lightweight, high-strength materials used in aircraft and spacecraft construction.
- **ELECTRONICS:** Welding of delicate electronic components, such as circuit boards and connectors.
- **MEDICAL DEVICE MANUFACTURING:** Welding of precision components for medical devices, such as implants and surgical instruments.

SPECIFICATIONS

ADF MODEL	100LW
Viewing Area	96 x 46.5mm
Optical Class	1 / 1 / 1 / 2
Number of Sensors	2
Power On/Off	Automatic On/Off
Dark State	4 – 8 / 8 – 12
Light State	Shade 2.0
Switching Speed	1/25,000s, from Light to Dark
Special Modes	GRIND / CUT / MIX / DARK
Sensitivity Control	Low-High, LED and Button Control
Delay	0.1 – 1.0s, LED and Button Control
UV/IR Protection	Up to Shade DIN 16 at all times
Helmet Material	High Impact Resistant Nylon
Laser Protection	1000-1100 D LB7+ IR LB8
Optical Density(OD)	OD 7+@1000-1100nm, OD 10+@1064nm
Approvals	CE (EN 207, EN ISO 16321)
Weight	613 gram
Part Number	703550



SPARE PARTS

	DESCRIPTION	P/N
1	Tecmen 100LW Outside Lens Cover (pkt 5)	703551
2	Tecmen 100LW Inner Cover Lens (pkt 5)	703552
3	Tecmen 100LW Sweatband SWTM025	703555
4	Tecmen 100LW Auto Darkening Filter ADF100LW	703557
5	Tecmen 100LW Headgear HG202310	703558
6	Tecmen 100LW Helmet Shell HS100LW	703560