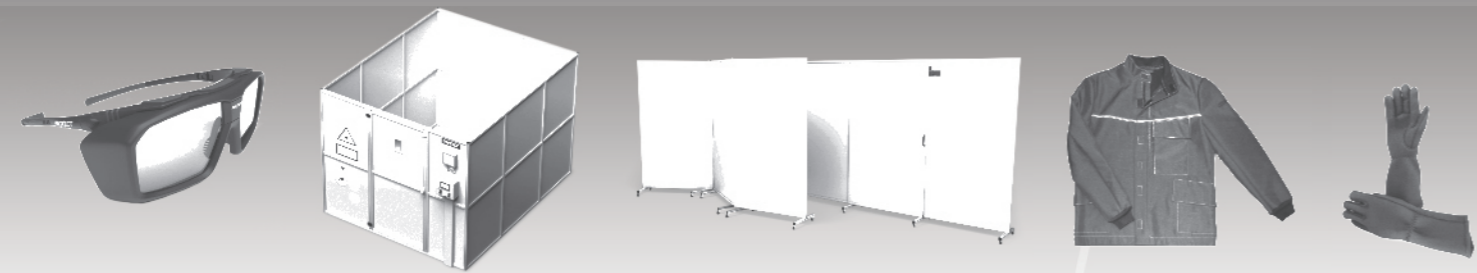


LASER WELDING 2023

LASER WELDER PROTECTION HELMET

NEW!



LASER SAFETY GLASSES AND GOOGLES

LASER SAFETY EQUIPMENT

LASER SAFETY BARRIERS

LASER SAFETY CABINS

CONTACT AND CONSULTING



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PROTECT[®]

LASERSCHUTZ GMBH


LASER WELDER PROTECTION HELMET

Lightweight, comfortable laser welding protection helmet. It protects the wearer from laser radiation during laser welding.

The helmet is also suitable for conventional welding.


Standards: EN 207, EN 379, EN 175, EN 166


Important note: The helmet is still in the certification process!


 ADF - 1/1/1/1 with large viewing angle of 96 x 68,5mm.


 Protection level of the glass filter: D LB7, 1000 - 1100nm wave length. Shade Range 4/9-13.


 Fast shutter-reaction (150 µs).

 Adjustable, automatic dimming.

 Lightweight. High wearing comfort, approx. 775g.

 Protects the face, forehead, neck and ears from welding sparks, splashes and laser radiation. Lightweight aluminum cover.

 Flexible and adjustable helmet shell and headband.

 Compatible with separate fresh air supply/ventilation.

 Power supply with solar cell and 2x Li-Ion battery cells.



LASER SAFETY GLASSES AND GOGGLES

CE-certified according to DIN-EN 207 and DIN-EN 208



Model: STARLIGHT X2 (black)
Filter: Nr. 0260, green, VLT 20%
Protection range: > 900 – 1100, D LB6 + IR LB8, (OD8+), PF CE

Item no.: 000-K0206-STAR-X2-52
Note: Risk analysis of the laser manufacturer is necessary!



Model: STARLIGHT Plus (black, grey)
Filter: Nr. 0431, light grey, VLT 73%
Protection range: 1025 – 1100, D LB8 + IR LB9 + M LB9Y, (OD9+), PF CE

Item no.: 000-G0431-STAR-A-03



Model: GLADIATOR (grey)
Filter: Nr. 0153, light grey, VLT 58%
Protection range: 1025 – 1100, D LB8 + IRM LB9, (OD9+), PF CE

Item no.: 000-G0153-GLAD-20



Model: SPECTOR (grey)
Filter: Nr. 0153, light grey, VLT 58%
Protection range: 1025 – 1100, D LB8 + IRM LB9, (OD9+), PF CE

Item no.: 000-G0153-SPEC-20



Model: SPECTOR (white)
Filter: Nr. 0153, light grey, VLT 58%
Protection range: 1025 – 1100, D LB8 + IRM LB9, (OD9+), PF CE

Item no.: 000-G0153-SPEC-02



PROMETHEUS

Customized and configured laser safety cabin made of aluminum, equipped with windows according to protection requirements. Optionally available with interlock system, ventilation and various door/lock variants.

Sizes (WxH, mm): Customized

The laser enclosure is delivered as a kit.
 Tolerance: +/- 1 mm/running metre.

Protection levels (EN 12254):

DR AB7 + I AB8 + M AB10	> 315 – 1050
D AB7 + I AB8 + R AB6 + M AB10	> 1050 – 1400
DIR AB4 + M AB4Y	> 1400 – 11000
PF CE	

Power densities acc.

EN 12254:	> 1050-1400	100 sec	250 MW/m ² (25 kW/cm ²)
	> 1400-11000	100 sec	10 MW/cm ² (1 kW/cm ²)

MOBILE LASER SAFETY BARRIERS

PEGASUS

Barrier type: Mobile barrier
Weight: 19kg per panel

Thickness: 1250 x 2200 x 60 mm (WxHxD), incl. 30 mm
Range of coverage (WxH, mm): stand height (1 panel)
 Tolerance: +/- 1 mm/running metre.

Protection levels (EN 12254):

DR AB7 + I AB8 + M AB10	> 315 – 1050
D AB7 + I AB8 + R AB6 + M AB10	> 1050 – 1400
DIR AB4 + M AB4Y	> 1400 – 11000
PF CE	

Power densities acc.

EN 12254:	> 1050-1400	100 sec	2,5 MW/m ² (250 W/cm ²)
	> 1400-11000	100 sec	100 kW/m ² (10 W/cm ²)

Available as flexible panels. Special version with sliding door on request.



ISO PROTECT SERVICE

Barrier type: ca. 5kg per transport bag
Weight: 0,8mm

Thickness: 3000x2000 (Three panels)
Range of coverage (WxH, mm): 1000x2000 (Single panel)

Protection levels (EN 12254):

D AB5	> 315 – 1050
D AB4	> 1050 – 1400
I AB7 + R AB6 + M AB8	> 315 – 1400
DIR AB2 + M AB3Y	> 1400 – 11000
PF CE	

Power densities acc.

> 1050-1400	100 sec	2,5 MW/m ² (250 W/cm ²)	
EN 12254:	> 1400-11000	100 sec	100 kW/m ² (10 W/cm ²)

LASER PROTECTION CLOTHING

Classification according to DIN EN ISO 11611 - Class: 2 A1 + A2
 and DIN EN ISO 11612 - Class: A1 + A2 B1 C1 F1



Model: BODYGUARD, Jacket
Protection class: Welder protection clothing
Item no.: 300-LK1-JACK



Model: BODYGUARD, Trousers
Protection class: Welder protection clothing
Item no.: 300-LK1-TROU



Model: BODYGUARD, Protection glove 1K
Protection class: Welder protection clothing
Item no.: 300-LK1-GLOV-1K



Model: BODYGUARD, Protection glove 3K
Protection class: Welder protection clothing
Item no.: 300-LK1-GLOV-3K