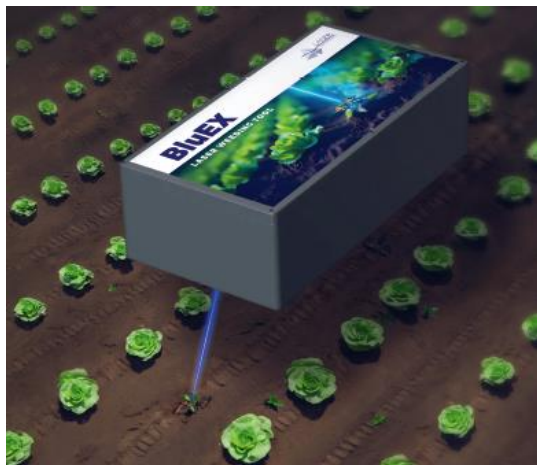


BluEX

Laser Weeding Tool



- Working in the Fields:
Treats around 15 Weeds per Second
- Blue High Power Diode Laser
- 100W Optical Output Power
- 2mm Spot Size
- High Speed Galvo Scanner
- 48V Input Voltage
- CAN Bus Interface
- Water Cooling with CPC Connectors
(also available as a matching set)
- Waterproof IP66 housing

Parameter	Unit	Value
Laser		
Max. Optical Output Power	W	100
Wavelength	nm	445 ± 20
Spot Size Diameter	mm	≥ 2
Working Distance	mm	300 to 1000
Response Time	ms	10
Treatment Time	ms	2 to freely adjustable
Working Area		
at Working Distance of 400mm	mm ²	306 x 306
at Working Distance of 500mm	mm ²	382 x 382
at Working Distance of 600mm	mm ²	459 x 459
at Working Distance of 700mm	mm ²	535 x 535
Electrical		
Input Voltage (DC)	V	48 ± 3
Max. Input Current	A	9
Max. Power Consumption	W	400
Communication Interface		CAN (USB, RS232 on request)
Temperature		
Ambient Temperature Range	°C	15 to 40
Storage Temperature Range	°C	-20 to 70
Dimensions		
L x W x H	mm ³	630 x 315 x 185

Safety features

2 Interlocks – The integrated safety relay complies with the requirements of Category 4 / Performance Level e (PL e) and up to Safety Integrity Level 3 (SIL 3).

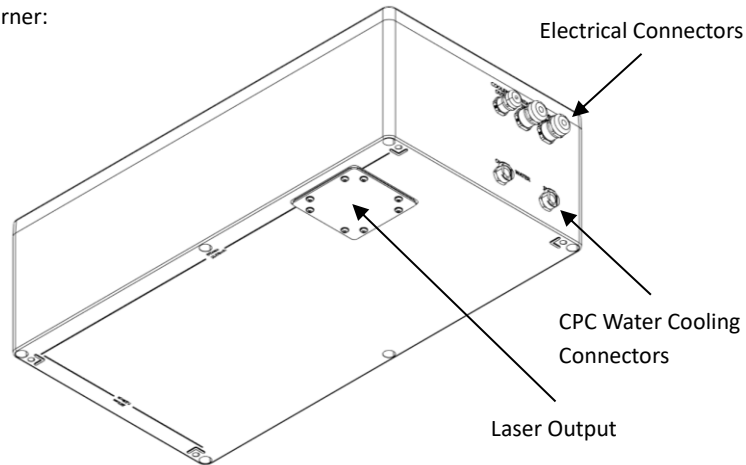
Laser Safety

The device is classified as Laser Class 4 according to IEC 60825-1.

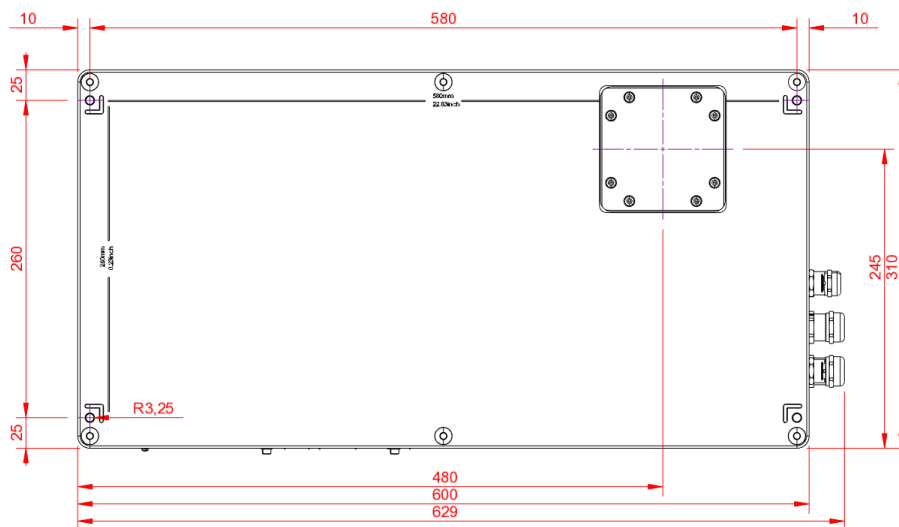
The user is responsible for ensuring appropriate laser safety measures.

Drawing

- bottom right corner:



- bottom:



- right:

