

Variable Beam Laser System for LAB

Flux H series



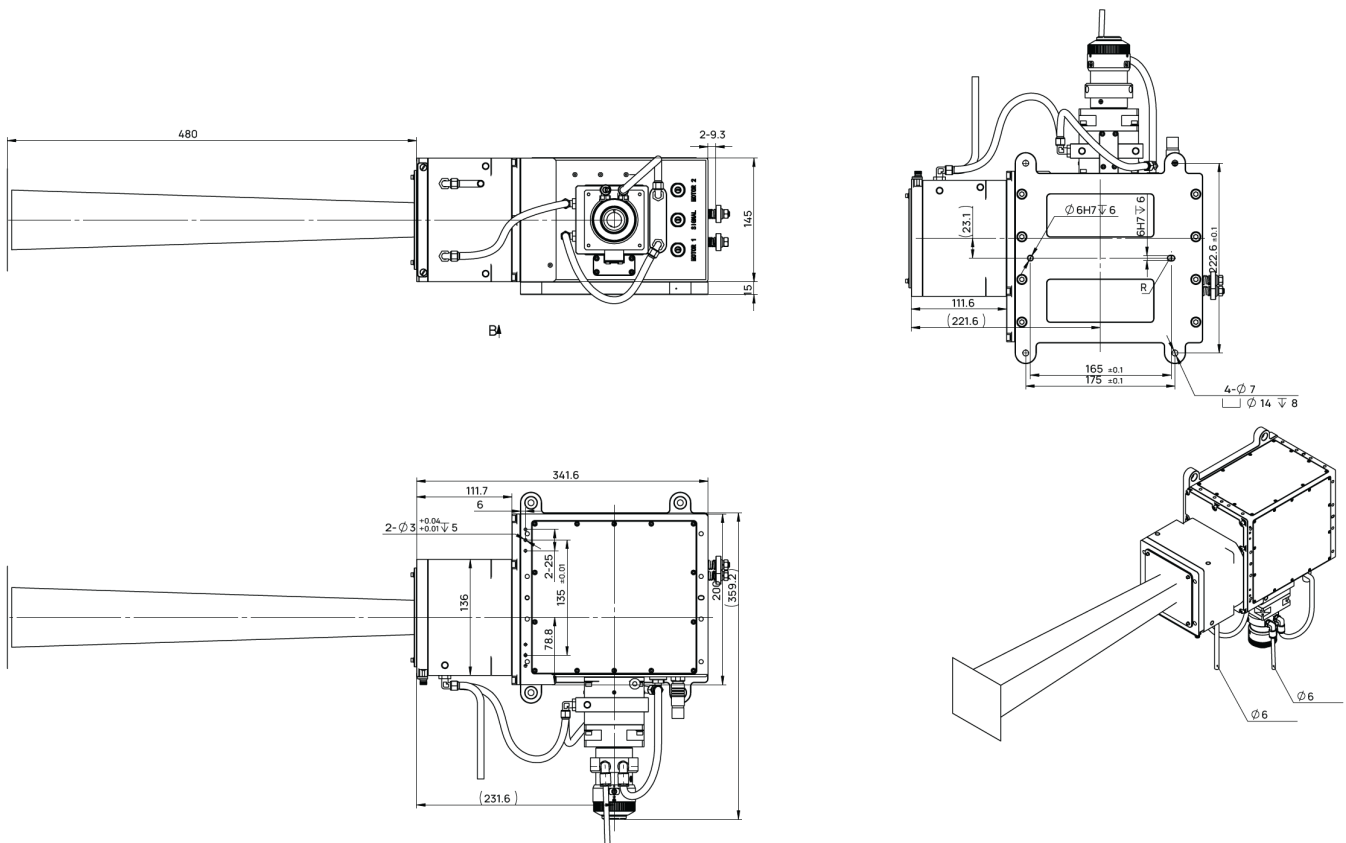
Features

- Adjustable beam size
- Easy maintenance
- Security monitoring
- High conversion efficiency
- Pyrometer
- Closed-loop control

Applications

- Non contact heating
- Laser assisted bonding
- Laser mass soldering
- Laser drying
- Material surface treatment

Product Dimensions (mm)



Remark: The structure drawing is for reference only. Please feel free to contact us for any special requirements.

Product Specifications

Product Code

Part No. FL-Flux-H6000CM

General Data	Unit	Value
Laser Process Head Dimensions (Height × Width × Depth)	mm	380mm x 144mm x 143mm
Max. Weight (Laser Process Head)	kg	15
Control Cabinet Dimensions (Length × Width × Depth)	mm	804mm x 565mm x 843mm
Max. Weight (Control Cabinet)	kg	70

Laser Data	Unit	Value
CW-nominal Output Power	W	6000
Wavelength	nm	976±10
Fiber Diameter	µm	800
Fiber Length	m	10
Fiber Plug Type	-	QBH

Electrical Data	Unit	Value
Operating Voltage	V	380
Max. Operation Current	A	16
Supply Frequency	Hz	50 - 60
Number of Leads	-	3L + N + PE

Thermal Data	Unit	Value
Operating Temperature	°C	5 ~ 45
Storage Temperature	°C	5 ~ 45
Chiller Type	-	Water-cooled

Interfaces Data	Unit	Value
Interface Type	-	TCP/IP / RS232 / Analog I/O
Socket Type	-	RJ45 / DB9 / DB25

Chiller Data ² (Optional)	Unit	Value
Flow Parameter	L/min	>60
Cooling Requirements	-	Two ways (Laser head + control cabinet)
Water Temp.	°C	25±3
Cooling Capacity	kW	>8

¹Part No. = Brand Code - Series - Power - Features

²The system can be used combined with chillers ordered from Focuslight or compatible chillers with the same capacity.



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Optical Data

Working Distance	mm	480±10
Focal Depth	mm	>±1
Line Length X-direction ³ (top-hat)	mm	15 – 60
Line Length Y-direction ³ (top-hat)	mm	15 – 60
Uniformity of X and Y-direction ⁴	-	>95%
Steepness of X and Y-direction ⁴	mm	≤3
The optical efficiency	-	>88%

³Beam length and width fixation or adjustable

⁴Uniformity and Steepness test standard conforms to ISO 13694-2018

