



Okolab Italy - Headquarters
Via A. Olivetti, 1 - 80078 Pozzuoli,
NA, Italy
Luca Lanzaro, Ph.D
Mobile: +39 348 9680717
Office: +39 081 8062624
E-mail: lanzaro@oko-lab.com

Okolab USA
233 Merchant Street, Suite 500,
Ambridge, PA 15003 USA
Silvia Foppiano, Ph.D
Mobile: +1 (650) 228 6154
E-mail: foppiano@oko-lab.com
Lara Petrak
Mobile: +1 (650) 410 0756
E-mail: petrak@oko-lab.com

Okolab China
2F No.388 Madang Rd., Premise
Suite #37, Huangpu Dist., Shanghai
200020, China
Pony Tong
Mobile: +86 18500508458
E-mail: tong@oko-lab.cn

Bold Line Cage Incubator

Large volume incubator with local CO₂/O₂ climate chamber



www.oko-lab.com



Bold Line Cage Incubator consist of:

- Microscope enclosure
- Obscuring panels (*optional*)
- Temperature controller (includes air heater)
- Filtering box (*optional*)
- Stage top gas chamber
- Gas controller (CO₂ or dual CO₂/O₂)
- Humidity module
- Touch screen interface
- Smart box (*optional*)

The Bold Line Cage Incubator controls temperature in the entire enclosure, by receiving feedback from sample temperature. Gas composition and humidity are controlled inside the stage top gas chamber.



MICROSCOPE ENCLOSURE

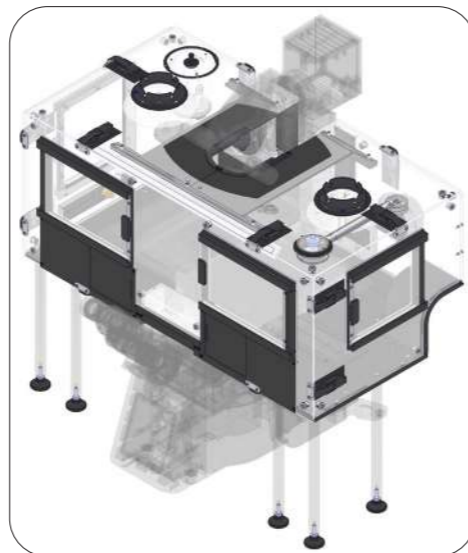
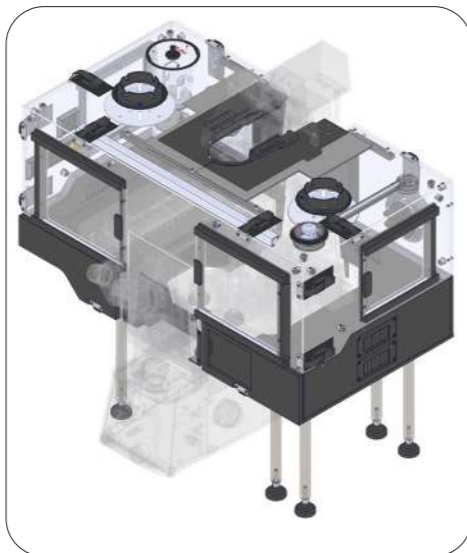
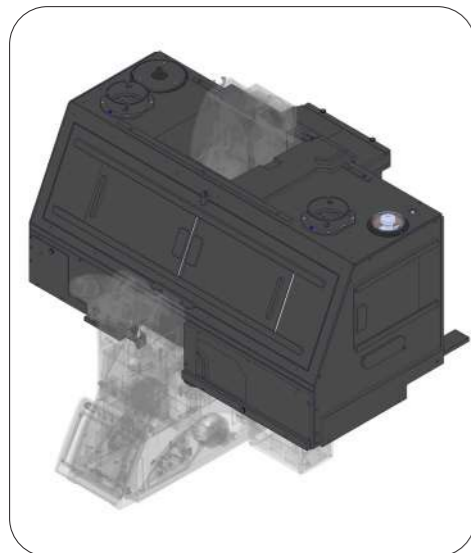
The enclosure is designed to allow maximum accessibility to the microscope. Sliding doors on the front and side panels allow full and easy access to the microscope. Turn-to-open hinges allow easy and fast removal of both the front and side panels. This allows free access to any part of the microscope. When needed, the cage incubator can be reinstalled on the microscope in few seconds.

Obscuring panels can be added to the transparent enclosure to create a dark environment for fluorescence imaging.

New models available: lasersafe enclosure and natively-black enclosure for light sensitive applications.

An **LED light** allows the user to view inside the enclosure through transparent windows without affecting the temperature of the enclosure.

Inquiries for customized solutions are welcome.



GAS CONTROLLERS

The Bold Line Cage Incubator can be equipped with Bold Line gas controllers and with the Active Humidity controller.

Bold Line gas controllers feature:

- 0.1% accuracy and repeatability
- Digital CO₂ and O₂ sensors
- Operated via OKO-TOUCH
- Compatible with Smart Box

Technical specifications:

	CO ₂		O ₂		Output Flow Rate l/min
	Range, %	Accuracy, ±%	Range, %	Accuracy, ±%	
CO2-UNIT-BL	0-18	0.1	-	-	0.1 - 0.8 (0.4 with OKO-AIR-PUMP-BL)
CO2-O2-UNIT-BL [0-10;1-18]	0-10	0.1	1-18	0.1	0.2 - 0.8 (0.4 with OKO-AIR-PUMP-BL)
CO2-O2-UNIT-BL [0-20;1-95]	0-20	0.2 at 5% CO ₂ *	1-95	0.3 at 5% O ₂ *	*

*Depends on the required gas concentrations. Please refer to www.oko-lab.com for detailed specifications.



TOUCH SCREEN INTERFACE

OKO-TOUCH is an user friendly 4.3" touch screen interface required to operate Bold Line controllers.

One OKO-TOUCH can control multiple Bold Line controllers.

TEMPERATURE CONTROLLER

H201-T-UNIT-BL consists of a temperature controller and an air heater. Feedback to the controller can be provided by sample temperature or by air temperature inside the enclosure.

Compatible with digital gas controllers, manual gas mixers, and premixed gas supply.

The air heater is equipped with a temperature and a flow rate sensor in order to obtain a stable energy input inside the enclosure.



HUMIDITY MODULE

HM-VF employs a water semi-permeable membrane to humidify gas.

Humidification capacity at 37°C: gas reaches the relative humidity of 85% ca.

