

Innovative Laboratory Automation Solutions

SCALE 48

Clean Chamber ! Robust Transfer Mechanism !



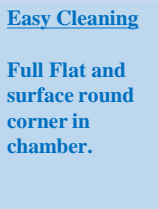
Automated CO2 Incubator

- ★ **No Driving Mechanism in the Chamber**
Free up from the Trouble by Humidity Environment and Vibration issue by Driving Mechanism !
- ★ **Automatic Plate Handling (Auto Plate Loading and Unloading)**
Handling SBS Plate and 100mmφDish !
High Throughput : TACT Time = Avg. ≤ 20 sec /Plate !
Excellent Environment Stability by Patented Loading Gate !
- ★ **Available Batch (Rack) Loading**
Available Batch loading !
- ★ **Clean & Flat Surface Chamber**
- ★ **No Tool Required for Installing Racks and Carousel**
- ★ **Dry-heat sterilization system**
Cleaning • Decontamination • Sterilization by Dry-heat (125°C) System !
- ★ **Rapid Heating by Direct Heating System**
High Uniformity Temperature Distribution by Individual Heat Panel control !
- ★ **Hypoxic Cultivation (Option)**
- ★ **Easily integrate with any external system • transfer system**
- ★ **Front Plate loading system (Option)**
Arbitrary timing Plate Loading/Unloading !
- ★ **Stainless steel Exterior (Option)**
Fully Compatible for CPC decontamination !
- ★ **Circulation System (Option)**
Preventing cross contamination in the Chamber
HEAP filter, Dry-heat sterilization

Lightweight Rack

Adopt Resin Material for the shelf of the Rack.

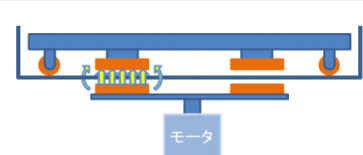
Plate fall Prevention.



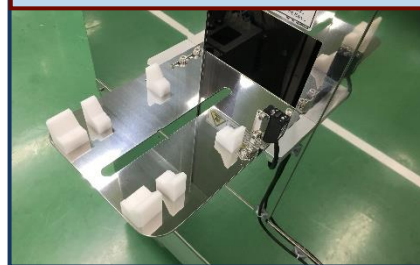
Easy Cleaning

Full Flat and surface round corner in chamber.

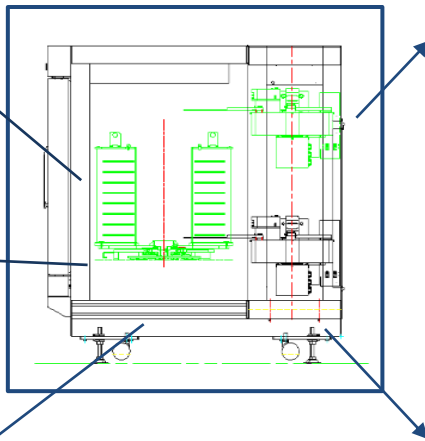
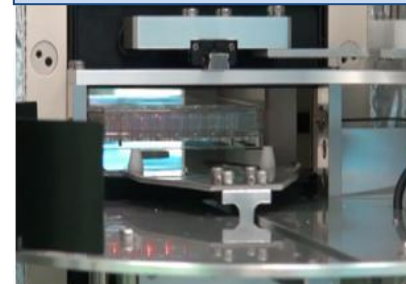
Adopt ELECTROMAGNETIC Coupling for isolating all mechanism



Auto Plate Loader/Unloader



Narrow gate design preventing the environment condition in the chamber



◆ **SCALE - 48 Specification** ◆

Dimensions (Include Stage)		W620 x D953x H1060 (Capacity : 125L)	Interior Material	SUS	
Weight		230 k g	Plate LD/UL Time	Avg. 20 Sec.	
Max. Plate Capacity		48Plate/6Rack	Outer Casing Temp. (During HS)	≤ 60°C	
Electricity		100V 15A	Abnormally Axis Movement	Error Detection/Suspend/Indication	
Heating Method		Direct Heating	Abnormally Environment Process	Temp. (Cultivation)	Alarm/Suspend
Temp. Control System		PID		Temp. (HS)	Alarm/Suspend
Temp. Setting		Setting Temp Range		CO2	Alarm/Suspend
		At 37°C Control			
		At Dry Heating			
Humidity		≥ 90%	CO2 Supply	Utility / Bottle	
CO2		0~20%	N2 Supply (Option)	Utility / Bottle	
HYPOXIA N2 (Option)		~1% (O2)	Water Supply	Water Vessel (Gravity Fall)	
Rise Time	RT25°C⇒36.5°C	2h	Dry Heat Time Setting	Yes	
	RT25°C⇒125°C	3h	Plate Presence Status Indication	Yes	
Fall Time	37°C⇒35°C	40min.	Realtime Environment Status Indication	Yes	
	37°C⇒25°C (RT)	3.5h	Environment Status Graph Display	Yes	
Recovery	Shutter	No Change	Data Management	Yes	
	Glass Door Open/Close 30sec.	20min	Remote Control (LAN)	Yes	

Please contact any question for following attention

