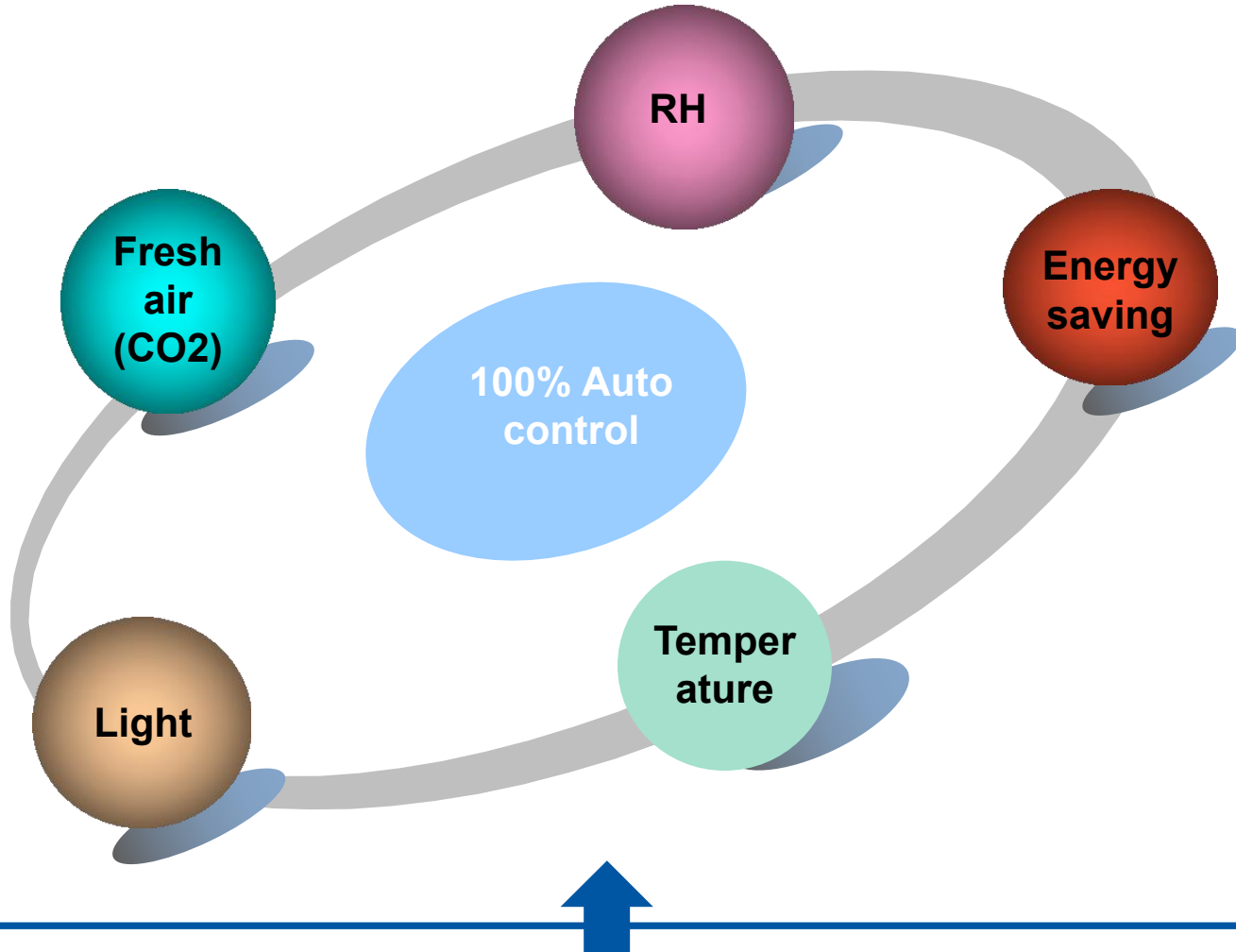


MUSHROOM CLIMATE CONTROL MACHINE ALL IN ONE UNIT



What kind of functions this machine have?



What kind of mushrooms can use this machine?



OYSTER



WHITE BUTTON



KING OYSTER



SHIITAKE



How is this machine works?

This machine is a R410A freon system unit, it don't need water system.

Main parts of this machine is compressor, condenser, Evaporator, Expansion valve and Fan.

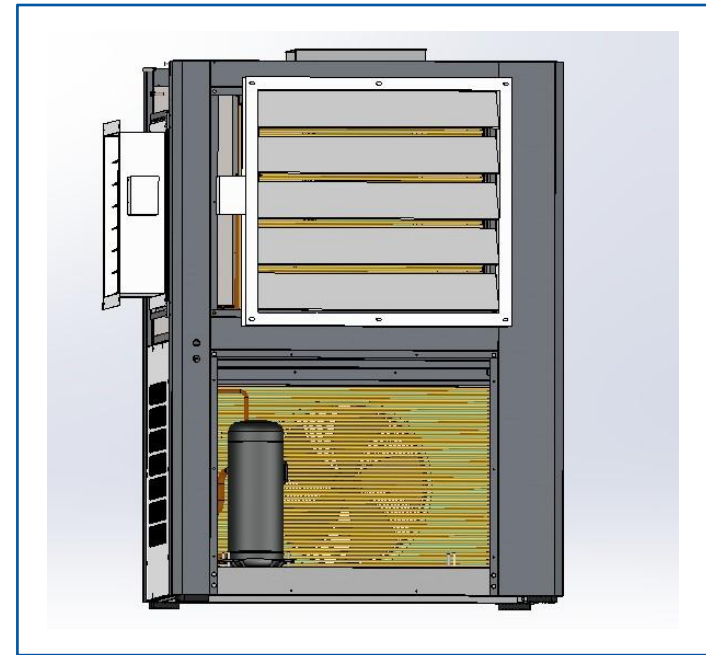
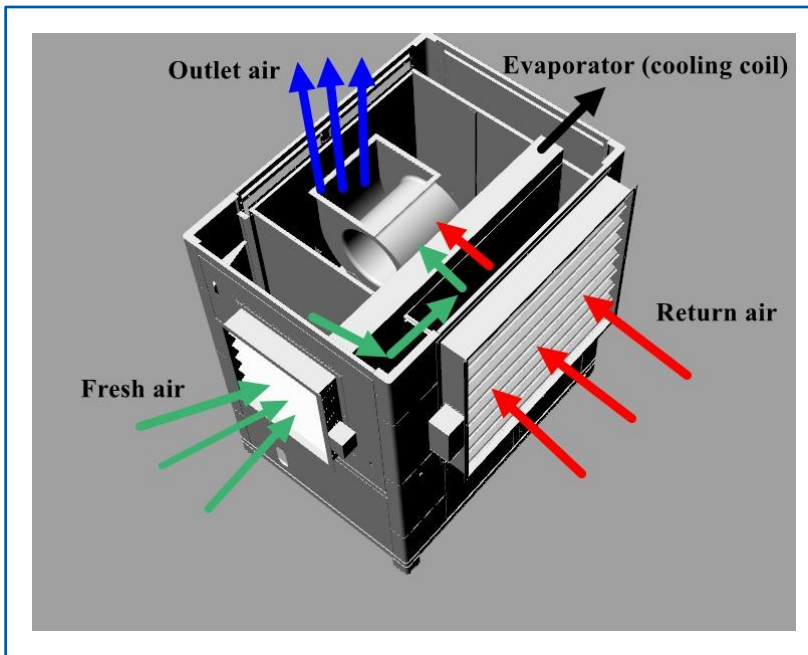
We will make 1 , 2 or 3 bag type plastic air ducts for each grow room.

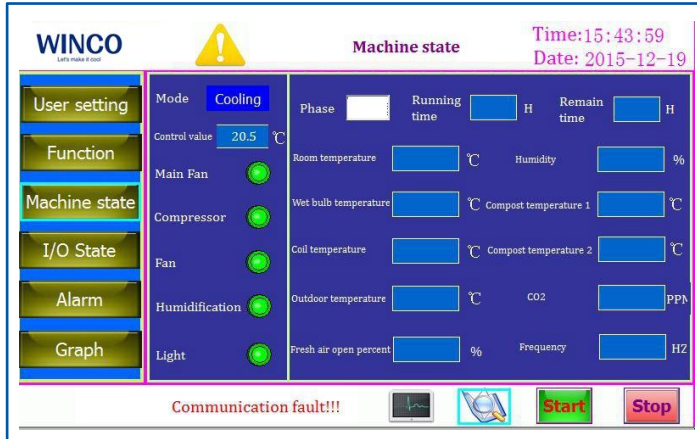
Numbers of air duct will based on the size of grow rooms and shelves.



Air flow diagram

Machine have fresh air damper and return air damper,use Belimo actuators to auto control fresh air and return air damper open percentage as CO2 level requirement.

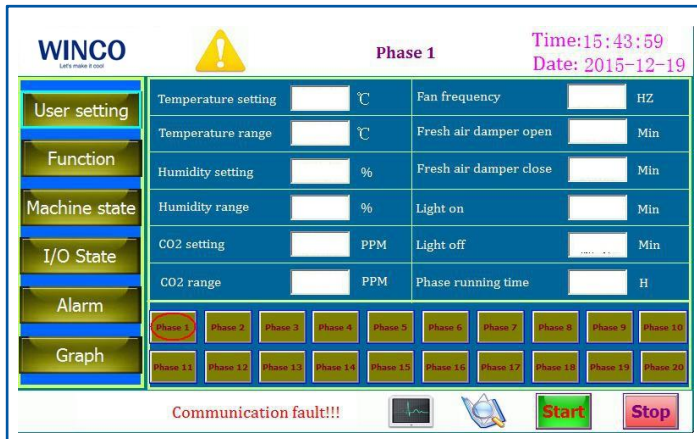




Touch screen control system

Functions:

1. Temperature control mode: Cooling, Heating and Auto
2. Humidity control
3. CO2 level control (fresh air)
4. Light control



Growers can set Max 20 growing phases in this controller.

If you only plan to set only Phase 1 parameters, please you can set other phases running time to 0 Hour.



How many models of machine we have?

We have models as below:

3HP,5HP,6HP,10HP,12HP,15HP,20HP,24HP and 30HP Climate unit.

Cooling capacity range : 8kw~90kw (2RT ~26RT)

Fan Capacity range: 1800m³/h ~ 18000m³/h

Control grow rooms size with wide range from 20m² to 300m².

For Example:

1.Containerized grow room:6x3x2.8m (3HP unit)

2.Oyster greenhouse:35x7x4m (20HP unit)



How to choose a right model of unit for grow room?

We can calculate the cooling capacity (watt) as below:

1.White button:

$Q=140W/m^2 * \text{Surface grow area } m^2 \quad (15\sim 25C)$

2.Wood fungi (Oyster,King oyster,Shiitake ect) :

Incubation room: $Q=15W * \text{Room size } m^3 + 1.5W * \text{Substrate weight kgs}/1.25 \quad (20\sim 28C)$

Fruiting room: $Q=30W * \text{Room size } m^3 + 1.5W * \text{Substrate weight kgs}/1.25 \quad (12\sim 20C)$



Some of our projects in China:



Our project in Iraq



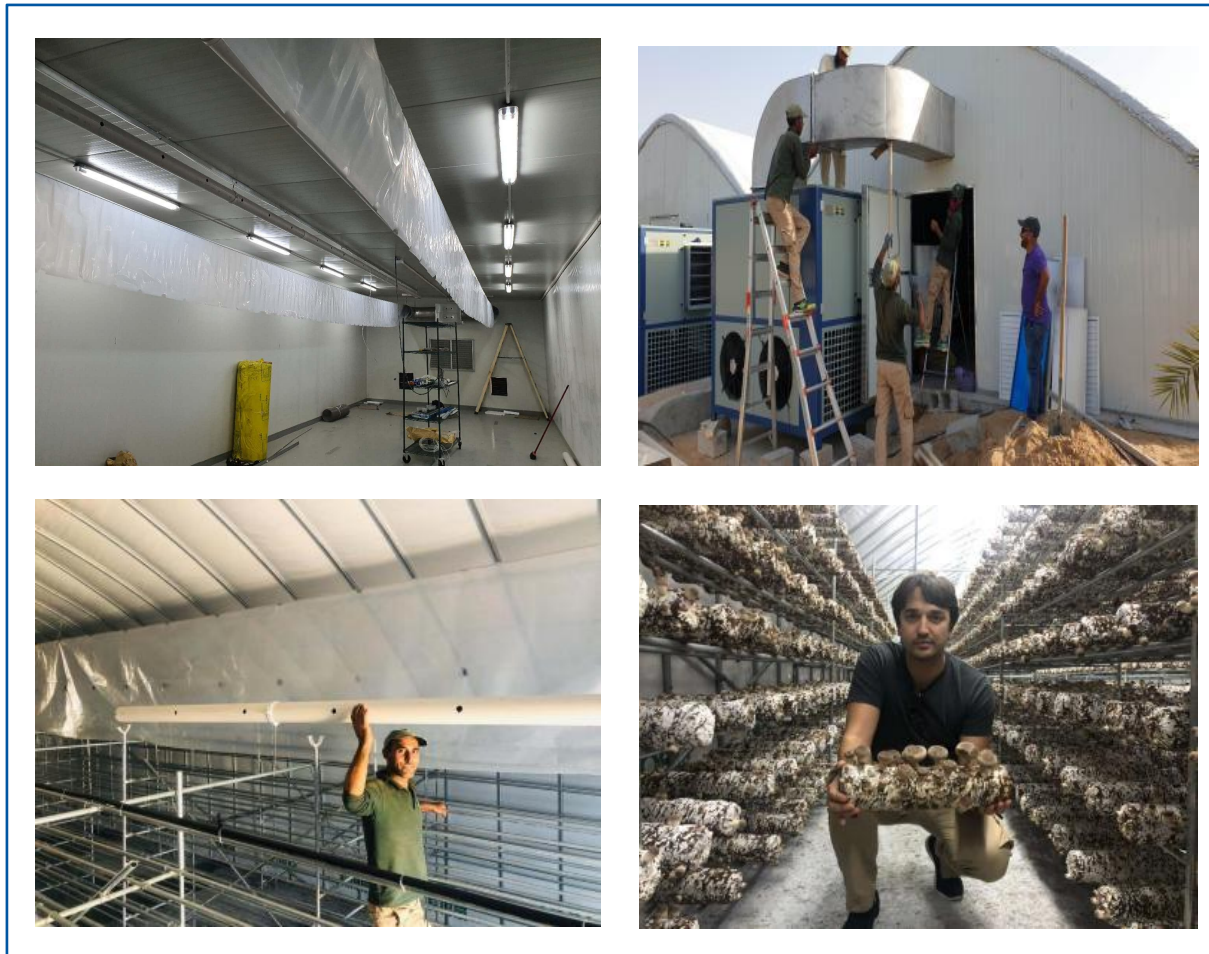
Our project in Algeria



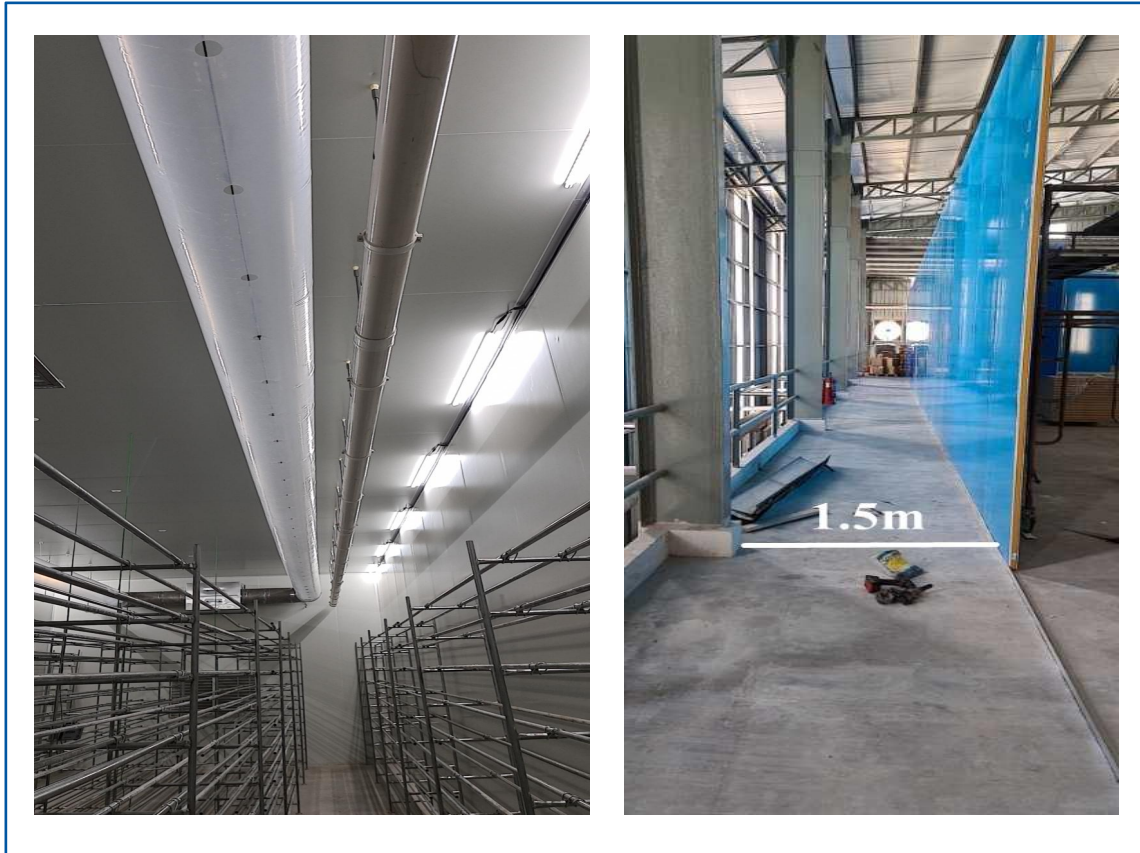
Our project in Sri Lanka



Our project in UAE



Our project in Malaysia



Our project in Chile



Our project in Bangladesh



Our project in Nepal



Our project in Korea



Our project in Thailand



Our project in Australia



Our Project in Sebia



Thank you!

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