**02**

# AIO Series Multi-Function Heat Pump Dehydrating System

It is the most convenient all-in-one drying machine that has the highest capacity.

# No installation is required

We have installed the whole drying system for you.

## What can it drying?

- ☑ Fruits and Vegetables
- ☑ Pastas
- ☑ Tea
- ☑ Flowers and Leaves
- ☑ Nuts and seeds
- ☑ Herbs and Spices
- ☑ Meat and Petfood
- ☑ Seafood

It can be used to dry fresh food separately or even together without worry of mixed fragrance.

## Features:

▸ It is the most convenient all-in-one drying machine that has the highest capacity.

▸ It is made with stainless steel and can be equipped with plastic, stainless steel or customized drying racks.

▸ It easy to load on the container and no need installation, fit for some customers have big site to place it and have trouble to install a drying house.

▸ During a drying process, the dry air circulates inside a well-insulated cabinet and only condensed water is discharged. Therefore, during the drying process, no energy is lost and no pollutant can contaminate the items being dried. This makes the drying extremely efficient and clean.

▸ Low to mid drying temperature setting for food will maintain its original color and fragrance, and keep its nutrition to the maximum extent.

| Temperature range settings available | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10℃ | 20℃ | 30℃ | 40℃ | 50℃ | 60℃ | 70℃ | 80℃ |
| | Low temp. dehydrators | | | | | | |
| | | | | Middle temp. dehydrators | | | |
| | | | | High temp. dehydrators | | | |

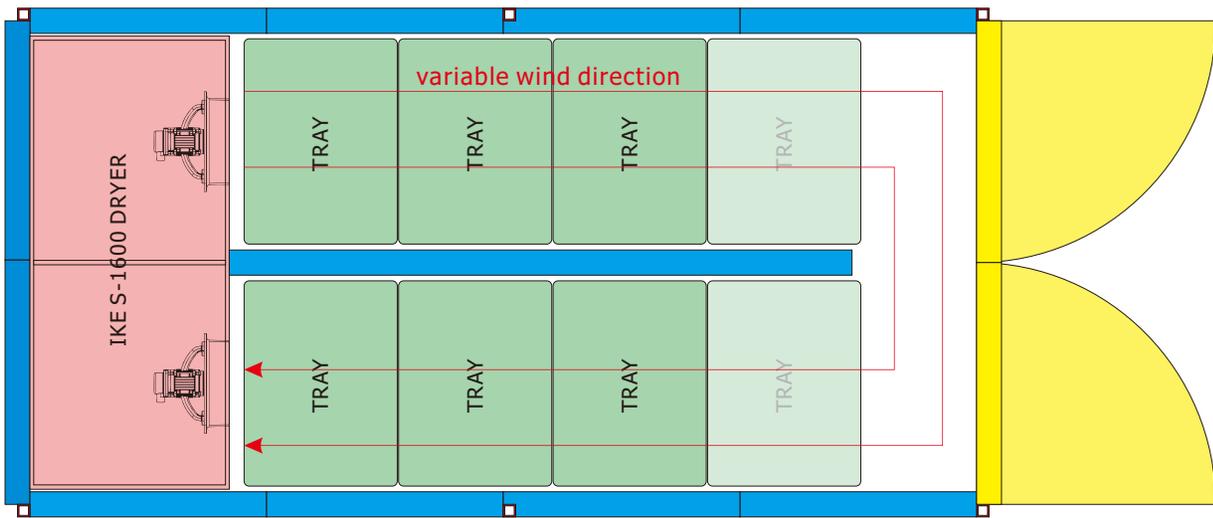# 02.1 AIO-1600 series all-in-one Dehydrating System

The AIO-1600 series all-in-one dehydrating system used with IKE S series drying machine, you can choose forward and reverse wind structure to achieve evenly drying by parallel airflow.

This system are wildly use in tray drying. Suggest using IKE standard trays and keeping the drying material thickness less than 30mm.

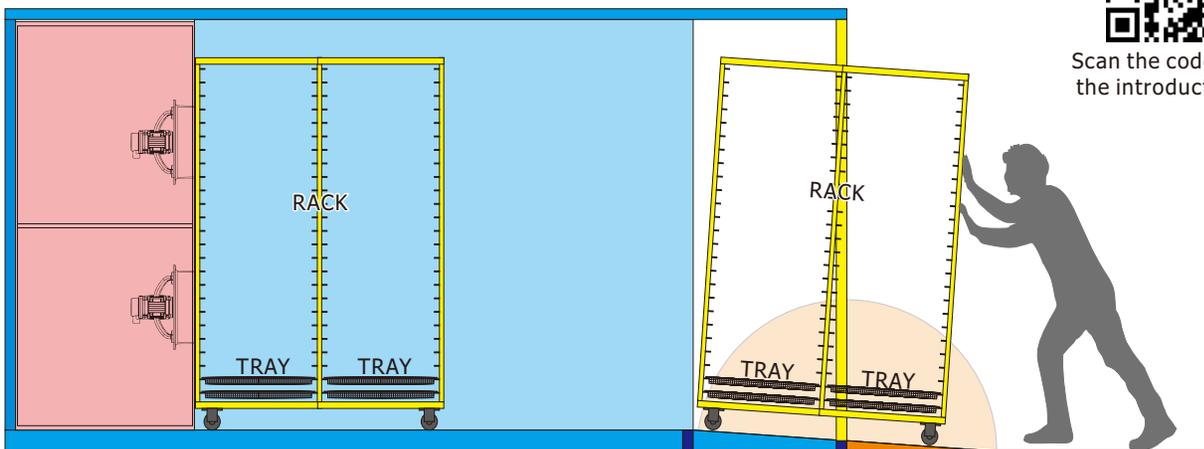| Model | AIO-1600A | AIO-1600G |
|---|---|---|
| Material | Stainless Steel | Stainless Steel |
| Capacity | 1000~1500Kg / batch | 1000~1500Kg / batch |
| Power Supply | 380V~3N / 50Hz / 60Hz | 380V~3N / 50Hz / 60Hz |
| Power Input | 17.0KW | 17.0KW |
| Running Current | 30.0A | 30.0A |
| Fast heating-up | 12.0KW | 12.0KW |
| Maximum Power | 30.0KW | 30.0KW |
| Dehydration Amount | 45.0Kg/h (@50℃,80%) | 45.0Kg/h (@50℃,80%) |
| Working Temperature | 50~65℃ | 50~80℃ |
| Controller | IKE Smart color-touch-screen | IKE Smart color-touch-screen |
| Noise Level | ≤75bB(A) | ≤75bB(A) |
| Wind Volume | 23500m³/h | 23500m³/h |
| Main Machine | S-1600A | S-1600G |
| Machine Size( L*W*H) | 1800*850*2000mm | 1800*850*2000mm |
| Chamber Size(L*W*H) | 4000*2100*2100mm | 4000*2100*2100mm |

# Diagram for AIO-1600 series dehydrating system:



variable wind direction

IKE S-1600 DRYER

TRAY TRAY TRAY TRAY
TRAY TRAY TRAY TRAY

Top view (inside)



RACK RACK

TRAY TRAY TRAY TRAY

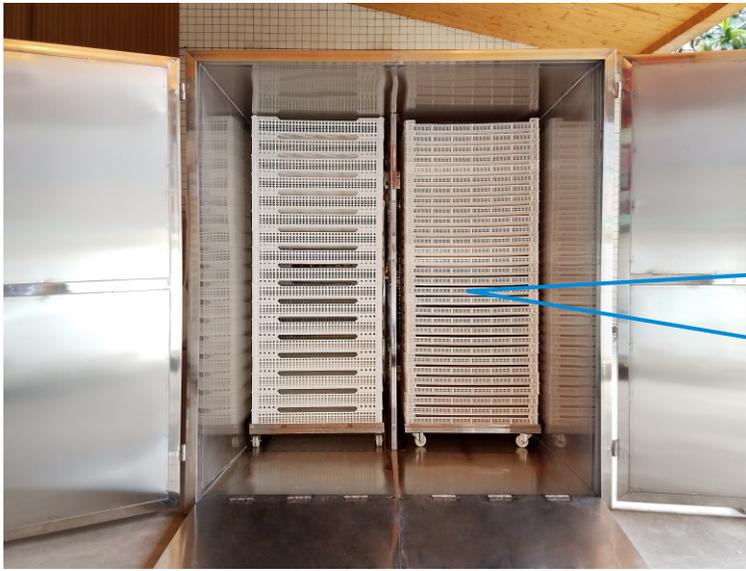Side view (inside)



Scan the code to watch the introduction video



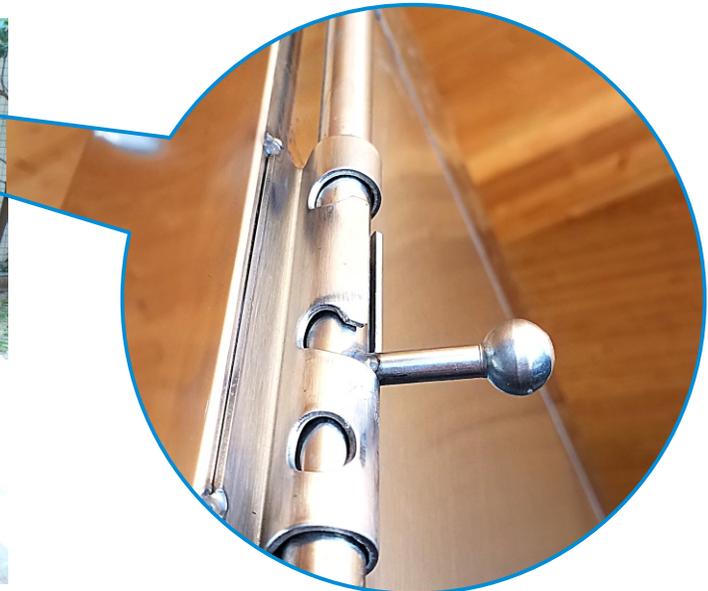forward and reverse wind Structure



Self-contained slope

Plastic Trays & Trolleys



Stainless Steel Racks & Trays



Use thick hinges and latches

## 02.2 AIO-500 series all-in-one Dehydrating System
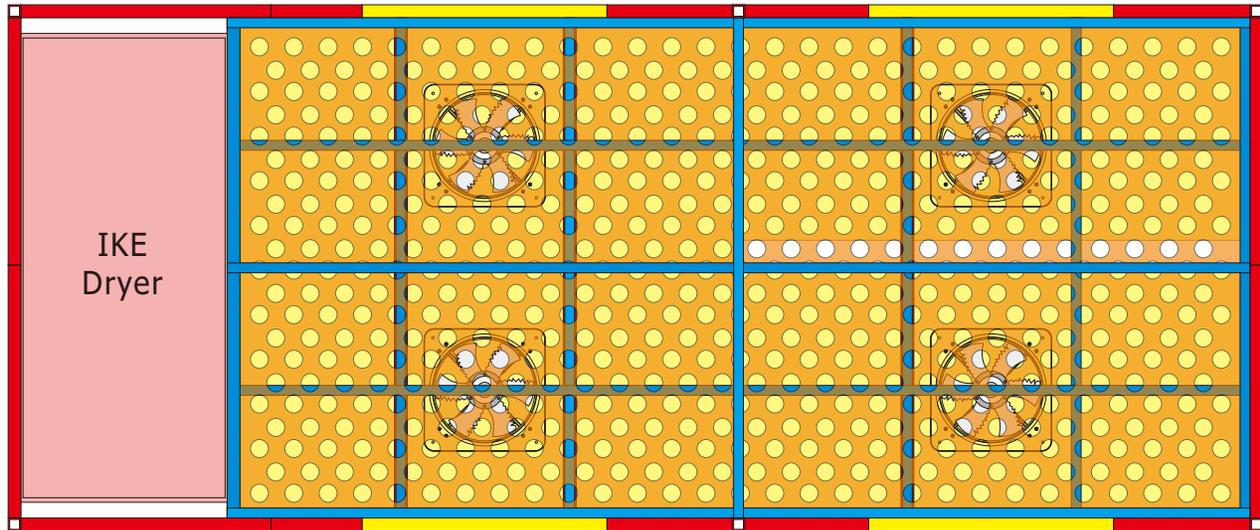


Scan the code to watch
the introduction video

The AIO-500 series all-in-one dehydrating system used with IKE WRH-500 series drying machine. This type of dehydrating system is  usually using specially big trays. For some round, no sticky items, we can dry them by direct stacking. The thickness of the material is about 300mm, the strong wind blows directly from the bottom and pass by the material.
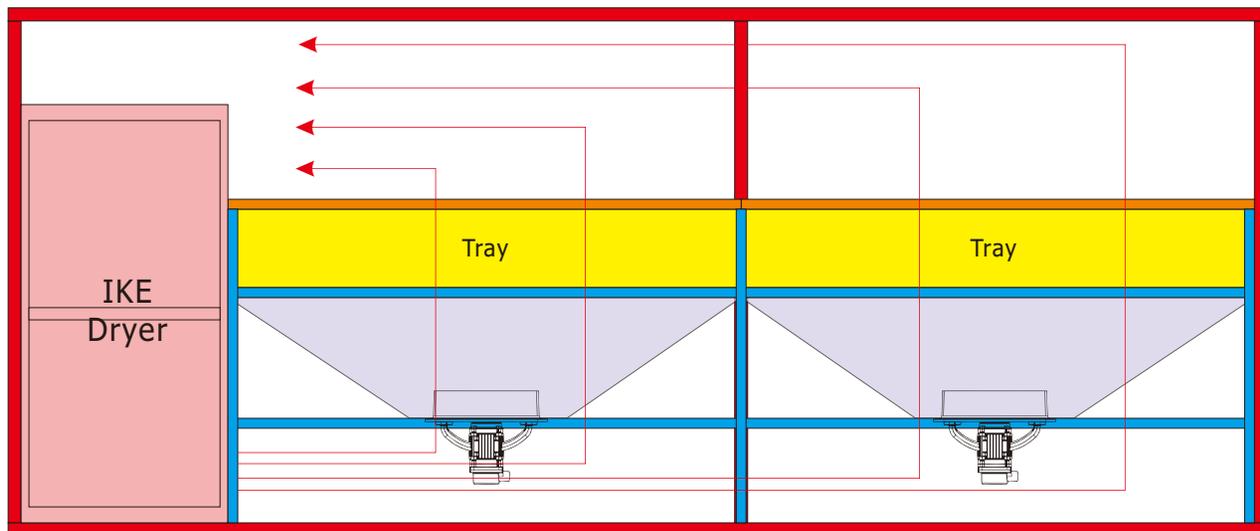
This structure can save a lot of manpower and improve work efficiency.

| Model | AIO-500D | AIO-500A | AIO-500G |
|---|---|---|---|
| Material | Stainless Steel | Stainless Steel | Stainless Steel |
| Capacity | 400~600Kg / batch | 400~600Kg / batch | 400~600Kg / batch |
| Power Supply | 380V~3N / 50Hz / 60Hz | 380V~3N / 50Hz / 60Hz | 380V~3N / 50Hz / 60Hz |
| Power Input | 6.0KW | 6.0KW | 6.0KW |
| Running Current | 10.5A | 10.5A | 10.5A |
| Fast heating-up | 4.5KW | 4.5KW | 4.5KW |
| Maximum Power | 12KW | 12KW | 12KW |
| Dehydration Amount | 18.0Kg/h (@50℃,80%) | 18.0Kg/h (@50℃,80%) | 18.0Kg/h (@50℃,80%) |
| Working Temperature | 20~50℃ | 50~65℃ | 50~80℃ |
| Controller | IKE Smart color-touch-screen | | |
| Noise Level | ≤75bB(A) | ≤75bB(A) | ≤75bB(A) |
| Wind Volume | 4000m³/h | 4000m³/h | 4000m³/h |
| Main Machine | WRH-500D | WRH-500A | WRH-500G |
| Machine Size( L*W*H) | 1800*1080*1320mm | 1800*680*1320mm | 1800*680*1320mm |
| Chamber Size(L*W*H) | 4000*2100*2400mm | 4000*2100*2400mm | 4000*2100*2400mm |

# Diagram for AIO-500 series dehydrating system:
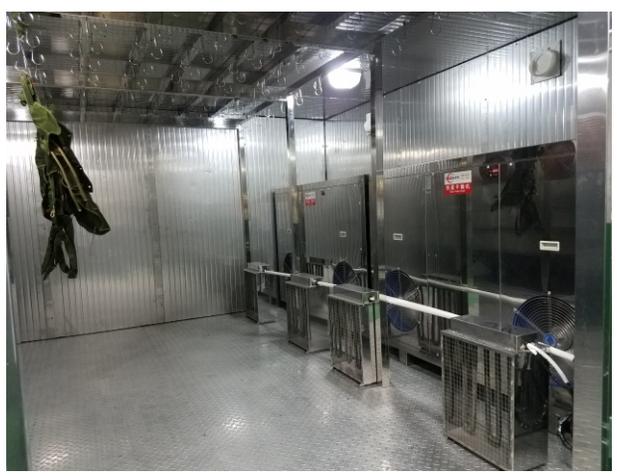


Top view (inside)



Front view（ Main Machine & Racks）



This specially structure good performance on drying the light product, such as the leaves, chives, some very easy to fly up in the drying process, we have made special mesh to cover the big tray and let them not fly and drying be better.

## AIO-500 series dehydrating system:

# Drying Effect



dried apricot



dried banana



dried worm



dried jasmine flower



dried lemongrass



dried black pepper



dried beef



dried sausage



dried fish



dried root of kudzu



dried long bean



dried scallion