

SOLAR DRIER *KSD 100*

'smart solutions for small enterprises'

Kraftwork is proud to present KSD 250 - a novel and eco friendly way to address the needs of small scale food processing industries. The salient features include:

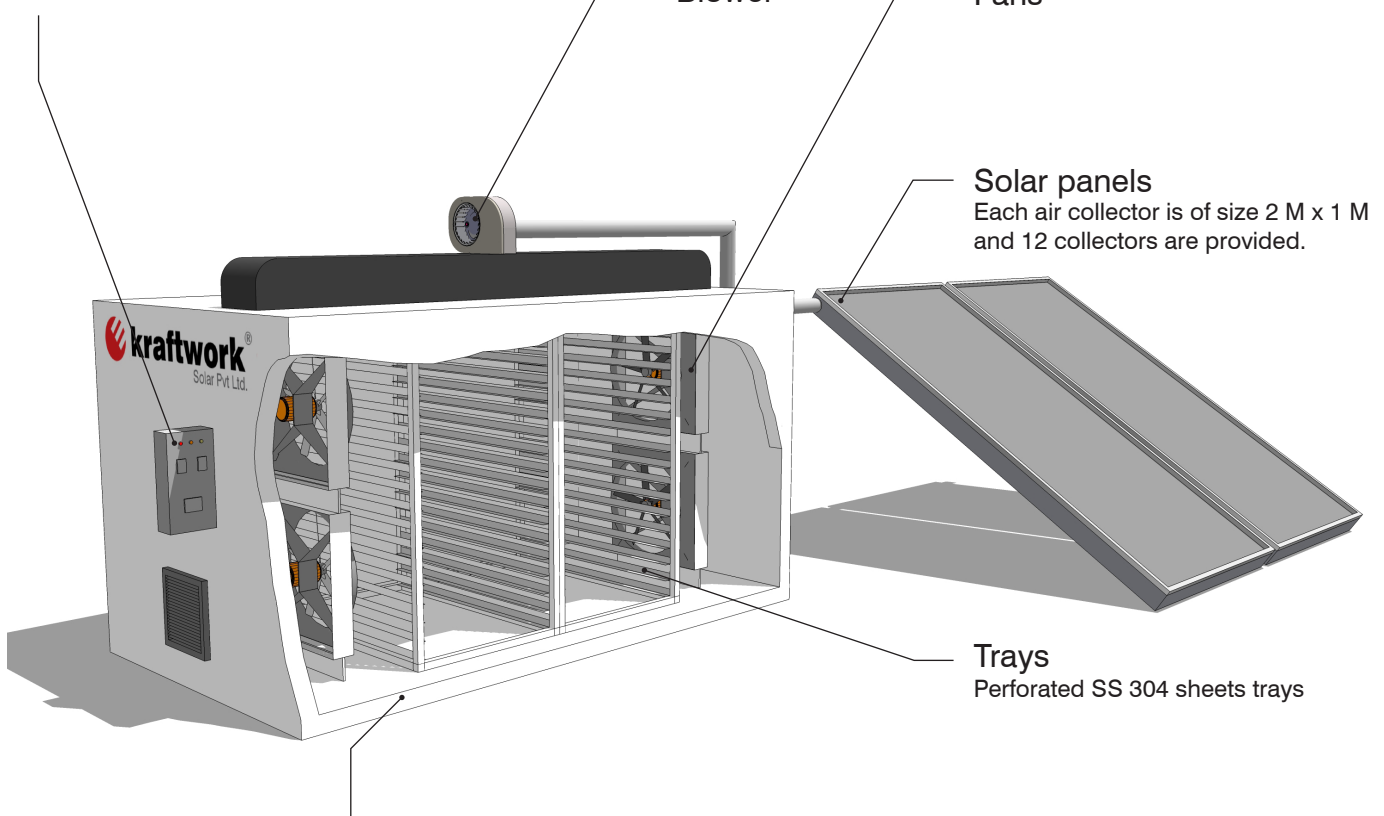
- ☛ Hygienic drying.
- ☛ No color degradation due to UV rays.
- ☛ Uninterrupted year round operations with Electric backup.
- ☛ Lower running costs hence higher saving.
- ☛ Optional Automatic controls for dampers with Humidity and Temperature sensors.

Control Panel with humidity and temperature controls that regulate the exhaust vents (Optional)

Centrifugal Blower

Axial flow Fans

Solar panels
Each air collector is of size 2 M x 1 M and 12 collectors are provided.



Drier Cabinet
The drying chamber is made of double walled fabricated casing with 50 PUF insulation.

Trays
Perforated SS 304 sheets trays

For current price please see attached price list or email info@kraftworksolar.com

 **kraftwork**[®]
Solar Pvt Ltd.

Description of Drier

Casing (Drying chamber) : The drying chamber is made of double walled fabricated casing with 50 mm PUF insulation. Inner wall of casing is made of SS 304 and outer wall with M.S. coated finish.

Size of chamber : 2200 L x 1200 W x 1200 H

Trays : Perforated SS 304 sheets or SS wire mesh – size 600 x 900 x 20
Quantity - 40 Nos

Heating : Hot Air from solar Air Heating Collectors is forced into the Chamber by 1HP Centrifugal Blower.

Air heater Collectors : Each air collector is of size 2 M x 1 M and 3 collectors can be arranged in parallel / series configuration as per availability of space. This hot air is taken as inlet air into the chamber.

Air Circulation : Four Axial flow fans of 1000 cfm/hr capacity provides the air circulation inside the chamber.

Electric Control System : The blower and Exhaust will have Manual on/off control for the purpose of Airflow reversal with the two diagonally opposite Axial fans that work together. The Electrical backup heaters can be controlled automatically by a temperature controller. The Exhaust ports can be manually operated by closefit baffles. Optional Automatic controller with Motorised Damper, Timer and Humidity Controller can be provided for Automated Operations.

Time of drying and output : The time of drying and specific weight of each product varies considerably. For eg: 2.5 to 3 Kg of material can be loaded in each tray and therefore capacity of the drier can be 100 to 120 kg on a wet basis.

SPECIFICATION OF KSD 250 CABINET DRIER

1	Size of the chamber	Length - 2200 mm Width - 1200 mm Height - 1200 mm
2	Maximum temperature	70 deg. C
3	Heating	Hot Air generated from solar collectors circulated into the casing through Blower. Backup Electrical heaters provided.
4	Blowers	2 pairs of 1 HP each.
5	Power Supply	240V Single Phase / 440 V Three Phase.
6	Number of trolleys	40 Nos.
7	Charge Per Tray	2.5 Kg to 3 Kg.
8	Tray material	SS 304
9	Tray size	600 x 900 x 25
10	Solar Collectors	12 Kraftwork Air heating collectors. 2mx1m size per Collector.
11	Gas Back up	Electrical heater
12	Control Panel	Controls for Axial Fans, Blowers, back up Electrical heaters, Humidity controls for exhaust fans.
13	Air heating panels	3 Nos of 2m x 1m hot air collectors for pre-heating inlet air.

29/2862. Adithya, Near Gandhi Sq.
Poonithura, Kochi 682 038.
Tel: 0484-2707339, 2707228
e Mail: info@kraftworksolar.com
web: www.kraftworksolar.com

 **kraftwork**®
Solar Pvt Ltd.