

Solar Fruit Dryer

Convection solar dryer is a two-layer wooden large container with a metal base and contains 100-150 kg of fresh fruit, vegetables or berries.

Convection transfer is applied for the circulation of the water boiled in the solar collector transferring solar energy to dried products.

Advantages and benefits in comparison to conventional electrical and gas fruit dryers

- Energy-efficient operation
- Lower production costs (the prime cost of dried fruit is reduced)
- Works regardless of weather conditions
- Automated regulation of temperature and humidity
- Protection of external factors (e.g. insects, dust) during drying process
- High productivity (20 to 30 kg of dried fruit in 1 to 3 days)
- Easy handling (does not require any assistance or intervention throughout the process)
- Sunrays do not directly reach the fruit / vegetables
- The appropriate suitability of the product for customers is guaranteed
- Nutritional value and flavor of dried food are preserved
- It is available (cheaper from equipment existing in the market by 20-35 percent).

You may visit Armenian Green Technologies Center in order to obtain information and consulting on the design of systems, conducting of economic calculations, selection of equipment and suppliers, financial resources, as well as for installation and maintenance.

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This publication has been produced with the assistance of the European Union and Austrian Development Cooperation. The content of this publication is the sole responsibility of "Hilfswerk Austria International" and "Armenian Green Technologies Center" and can in no way be taken to reflect the views of the European Union or Austrian Development Cooperation.