

Solar Dryer

We are engaged in manufacturing and supplying a Solar Dryer, which is a energy saving method of drying food material. In order to ensure international quality standards, we manufacture our solar dryers using graded components and latest machines

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Solar drying is in practice since the time im-memorable for preservation of food and agriculture crops. This was done particularly by open sun drying under open the sky. This process has several disadvantages like spoilage of product due to adverse climatic condition like rain, wind, moist, and dust, loss of material due to birds and animals, deterioration of the material by decomposition, insects and fungus growth. Also the process is highly labor intensive, time consuming and requires large area. With cultural and industrial development artificial mechanical drying came in to practice. This process is highly energy intensive and expensive which ultimately increases product cost. Thus solar drying is the best alternative as a solution of all the drawbacks of natural drying and artificial mechanical drying. Solar dryers used in agriculture for food and crop drying ,for industrial drying process, dryers can be proved to be most useful device from energy conservation point of view. It not only save energy but also save lot of time, occupying less area, improves quality of the product, make the process more efficient and protects environment also. Solar dryers circumvent some of the major disadvantages of classical drying. Solar drying can be used for the entire drying process or for supplementing artificial drying systems, thus reducing the total amount of fuel energy required. Where it can be used ? Solar dryer is a very useful device for Agriculture crop drying Food processing industries for dehydration of fruits, potatoes, onions and other vegetables, Dairy industries for production of milk powder, casein etc. Seasoning of wood and timber. Textile industries for drying of textile materials.