

SOLAR CONSTRUCT - Solar Thermal Technology

the use of the sun's energy to produce heat

Solar Fruit Drying Technique

A more reliable and high quality technology with big commercial benefits

Ever tasted a fruit cookie?

Dried mango slices make delicious, take anywhere, and eat anytime snacks! To us fruits are no longer perishables. Pineapples, sweet bananas, paw paws, just name a fruit; you can indeed have your fruit and eat it too anytime of season without missing the taste!

A 'fruity' solar solution

Are you thinking of running a fruits business? Or you are already in the fruit-selling business and often get an abundance of ripe fruit, which you cannot sell off before they lose their freshness? Well, you won't have to throw away basketfuls of fruits any more! Solar Construct has the solution that can boost your fruit business tremendously while letting you earn some money in the bargain too!

Fruit drying using energy from the sun is a cleaner and far cheaper solution that helps you dry more fruits yet faster while cutting-down drastically on production costs.

Technology tailor-made just for your kind of fruit drying business

Solar Construct designs and installs a solar thermal system(s) that suits your specified fruit drying requirements. This means you won't have to rely entirely on electricity or fuel generators to run your fruit drying chambers.

The technology we offer is of high European quality adapted to local conditions, that guarantees percentage increases in fruit quality for both export and domestic consumption.

Alfred Muwonge, the manager at Tropical Ecological Foods Uganda (TEFU) in Mityana, says they owe their 30% export quality improvement to the solar thermal system installed by Solar Construct. "We have reduced our production time by over 50% because the system makes it possible to dry fruits overnight, and better still we do not have to worry about bad-weather! ...For us whether it is on or off peak season, business is going on, no more supply letdowns to our customers."

Benefits to prospective fruit drying businesses using solar thermal systems from Solar Construct

The owner of a solar thermal system enjoys improved production and quality assurance as well as making big savings off running costs, particularly on electricity and/or fuel,

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having substituted them with a free energy source – the Sun – at optimal cost. A solar thermal system boasts a scientifically tested energy efficiency of over 70%!

We offer a very durable solar thermal system; the solar panels are made from a special iron-free-hardened glass. A panel has a lifespan of 25 years while the special highly insulated tank has a 10-year plus lifespan.

We offer a free and independent survey of your business premises; do the costing, dimensioning and designing that best suit your business. Our expert staff do all installations and general works. We can custom-build fruit drying chambers with a capacity range of 50 – 500 kg per day.

The system comes with a special multi-compatible switch system, may you need on occasions to switch back to the traditional electricity/fuel power supply.

Cost and viability

As electricity and fuel prices continue to rise, the need to find economically sustainable ways of reducing production costs while maintaining quality standards becomes priority.

The actual cost of the system is determined by the user-need or size of operation. A free site-inspection by one of our energy experts helps establish the adjustments to make in the existing plumbing system. Also the durability of a solar thermal system makes it a very cost-effective energy alternative.

Solar energy is not only the more reliable option but remains the cheapest and most independent energy form available to us today. Uganda is blessed with abundant sunshine year in year out! Adopting a solar thermal system, therefore, provides you virtually free heated water 24 hours, 365 days a yearfor some 25 or so years!

How to acquire a solar thermal system

- Buy in cash and enjoy a sizeable discount.
- Payment by installments over a period of one and half or even two years.
- Take advantage of a leasing option.

Solar Construct offers very flexible payment terms and will connect you to the more suitable financing institutions that can assist in shaping your repayment plan over a 4-5 year period.

Remember, Solar Construct are the sole fabricators and distributors of high European quality solar thermal systems in Uganda, with very favourable after-sale services. We are just a call away!