



priceless unlimited renewable energy

P.U.R.E. solar sun drying

Applications

- Coffee beans
- Tea
- Biomass
- Nuts
- Fruit
- Spices
- Rice
- Corn
- Cocoa beans
- Rubber



Other Applications

- Industrial process heating
- Laundry drying
- Composting

P.U.R.E. solar sun drying systems can be used to reduce costs and increase revenue for agricultural products that require drying. A solar air heating system is easily retrofit to existing active drying processes that use fuels such as diesel, oil or wood to generate heat. In addition, it is also available as a turnkey **shipping-container** based system to replace passive sun drying to accelerate the drying process and improve quality.



P.U.R.E. solar sun drying systems heat air up to 55°C (100°F) above ambient, making it ideally suited for many agricultural crop drying applications. In a conventional active drying system, the P.U.R.E. solar sun drying system may provide all of the heat during a sunny day or act as a pre-heat during cloudy conditions. In both cases it substantially reduces the dependency on traditional fuels which has a myriad of positive effects, ranging from lower operating costs, to decreased reliance on fuels that need to be transported to remote sites, to GHG emission reductions. The P.U.R.E. solar sun drying systems also help counteract deforestation by reducing the quantity of trees that are harvested for fuel.

The P.U.R.E. solar sun drying air heating systems may reduce or eliminate poly-aromatic hydrocarbons (PAHs) created by displacing conventional fossil fuels used in active drying systems. As countries around the world look towards “green”, they are also looking at how their food is processed and if it is safe and pure.



You don't have an active drying process?

Our modular container-based P.U.R.E. solar sun drying systems are custom tailored for a specific crop including temperatures and internal tray systems. They are shipped with all equipment including fans, photovoltaics (to power fans) and drying racks. Active drying also substantially decreases drying time in addition to reducing the potential for mycotoxins to form on crops.