

WHAT WOULD YOU LIKE TO DRY TODAY?

“Santiam” TRAY/TUNNEL DRYER



Commercial Dehydrator

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The **Santiam** was designed for the global market, and can ship inside a 40ft shipping container. The **Santiam** has the versatility of conducting batch, batch-to-dry, counter flow, and parallel flow dehydration protocols.

The **Santiam** is capable of drying a wide range of products. This high quality, high output dryer system, would be an excellent investment choice wherever on Earth you need it.

Dryer Dimensions: (installed) 40ft L X 8ft W X 17ft H
(installed) 12.19m L X 2.44m W X 5.18m H

**Note: The Santiam has the option to be installed onto client provided block walls (using available plans), but is not as efficient as full steel walls that come with the standard design.*

Specifications:

- Your choice of Stainless or Carbon Steel construction to fit your requirements
- LED Display of real time Temperature with set-point control (from ambient to 200°F/ 93.3°C)
- Direct fired gas burner (Natural Gas, Propane, or Butane)
- Capable of drying a large range of products from fruits and veggies, pet treats an jerky, nuts, herbs, and seeds to name only a few.
- Fully insulated roof, and air plenum for maximum efficiency
- 20 HP fan motor for high air velocity.
- Engineered and proven design for even and consistent drying.
- Commercial Quality construction for long useful life.
- **7,870 total sq ft of tray drying space** using 34.5" x 34.5" stainless steel trays.
- **6,893 total sq ft** of tray drying space using plastic trays.
- Automated Humidity Control recommended.



Santiam Tray/Tunnel Dryer Operating Cost:

Average Load: Heat/Electricity	Average US cost per therm/kilowatt hour
1 million BTU's (or 10 Therms)	10 Therms X \$0.95 = \$9.50
19.79 kw/hr	19.79 kw/hr X \$0.12= \$2.37
Total Average Hourly Cost	\$11.87/hr

**Notes: All heating loads were computed based on a 40% consumption rate. This is an average figure, and may not accurately represent all applications. Energy costs will vary per Therm and Kilowatt hour. Check rates for your area*

Capacity:

Tray/Tunnel Dryer capacity is determined by two factors which are:

- product **wet weight per square foot**,
- and **total dryer square footage**.

For example, if you are drying blueberries with an average wet weight of 2 lbs per square foot in a **Santiam** dryer (with a total of 7,870 sq ft SS trays), you would have a full load of 15,740 lbs of wet fruit.

$$2\text{lb sq ft} \times 7,870 \text{ sq. ft.} = 15,740 \text{ lbs wet fruit}$$



www.dryer.com

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